



Annual System Operation and Monitoring and Groundwater Monitoring Report 2016

Line 14, MP 85 Crude Oil Release Rusk County, Wisconsin

Prepared for
Enbridge Energy, Limited Partnership

April 2017

Annual System Operation and Monitoring and Groundwater Monitoring Report 2016

Line 14, MP 85 Crude Oil Release Rusk County, Wisconsin April 2017

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I. Technical Memorandum

Technical Memorandum

To: Karl Beaster, Enbridge Energy Limited Partnership
From: Jon Aspie, P.G.
Subject: MP85 System O&M and Groundwater Monitoring Annual Report 2016
WDNR BRRTS # 02-55-548746
Date: April 10, 2017
Project: 49550029.06

This Technical Memorandum presents a discussion of remediation progress and system operation at the Enbridge Energy (Enbridge) Line 14 MP-85, Exeland, Wisconsin leaksite (Site) through December 31, 2016. Attached are Wisconsin Department of Natural Resources (WDNR) Forms 4400-194, supporting tables, charts, and figures for annual reporting of remediation system operation in accordance with Wisconsin Administrative Code NR 724.

Summary of System Operations and Operational Changes

The air sparge (AS) and soil vapor extraction (SVE) system began operation in January 2008. The system was operated continuously for the most part except for power outages, requirements for maintenance, and landowner requests for shutdowns during holiday or vacation stays. Shutdowns were usually on the order of days to several weeks. A longer planned shutdown of the system was conducted from August 15, 2011 to January 8, 2012 to evaluate the dynamics of the dissolved phase plume in groundwater when the system was not operational. The system was then restarted and operated continuously for the most part until May 9, 2013, when the system was shut down in accordance with the *MP85 System Shutdown Work Plan*, dated April 2013, and approved by the WDNR. The system was restarted on February 26, 2014 and operated continuously until approximately March 1, 2015, when the system shut down due to unknown reasons. Shut down of the SVE system was planned for early 2015, and the SVE system was not restarted. Select air sparge points were restarted on June 10, 2015 and were operated through 2015 and 2016.

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The SVE system was operated using 12 extraction points – SVE points SVE-1 through SVE-10, RW-1, and RW-3. Monitoring wells MW-7 and MW-33 were also occasionally used as SVE points during various periods of operation.

Total volatile organic compounds (VOC) and benzene concentrations in the SVE emissions were below levels where permitting or treatment would be required after the catalytic oxidation emission treatment system was removed in May 2009. Monthly sampling of SVE emissions was conducted in accordance with WDNR guidelines when the system was operated to monitor that concentrations remain below regulatory levels and to evaluate system operation.

The source area AS system is composed of seven AS points–AS-1 through AS-7. The configuration of the AS system was changed on June 11, 2014. Sparge point AS-1 was taken offline and deep piezometer MW-7D was added as an AS point in place of AS-1 to enhance remediation efforts in areas with residual hydrocarbons. Sparging at MW-7D began on December 11, 2014. Sparging was conducted variably at some combination of points AS-3, AS-4, AS-5, AS-7, and MW-7D since 2014 based on field screening, observation of product in wells, and/or groundwater sampling results to maximize sparge activity in specific areas of the residual plume. Operation of sparge points was evaluated on a monthly basis. AS points AS-3, AS-7, and MW-7D were the only sparge points operated in 2016.

The airflow to the each of the AS points was manually adjusted during site visits. Airflow was measured at approximately 4 to 5 standard cubic feet per minute (scfm) per point for each AS point and at approximately 20 scfm for MW-7D. The AS system was manually shut off for approximately 15 minutes during each site visit (conducted at monthly intervals) to allow the aquifer formation to collapse and potentially close any preferential airflow pathways that may have formed from long term sparge pressure. The AS system was then restarted and readjusted for airflow and/or pressure at each point. The on/off action of the system is meant to allow better dispersal of airflow over time throughout the aquifer formation, instead of along limited preferential airflow pathways that may have developed through continual pressure.

The downgradient supplemental AS system was manually shut off on March 24, 2009. Concentrations of dissolved phase hydrocarbons were less than detection limits in samples collected from wells located within, and up gradient of, the operational area of the supplemental sparge system at that time.

Free Product and Recovery

Free product has historically been observed in wells RW-1, RW-2, RW-3, MW-7, and MW-11 (Table 2), with anomalous observations of product in MW-2 in fall 2009. Water and product levels were measured in select wells in and around the existing groundwater plume on a monthly basis in 2016. Water levels were measured at all site wells on a quarterly basis.

During 2016, product was not observed in RW-2, MW-2, or MW-11. Product was observed sporadically in 2016 at wells RW-1, RW-3, and MW-7 (Table 2), and rarely was observed in more than one well during any site visit. No product was observed in any well in January, July, and August of 2016. Product thickness in the wells ranged from non-measurable trace amounts to 0.02 feet, except the product thickness was 0.05 feet in well RW-3 in May 2016. Product was observed in MW-7 at a thickness of 0.01 feet in September and October of 2016, and at a trace amount in December 2016. Water elevation, product elevation and product thickness data for wells MW-7, RW-1 and RW-3 are shown on Charts 4, 5 and 6.

Free product was removed from the wells by bailing or with absorbent pads whenever observed in 2016. A total of less than 1 gallon of product was removed during 2016. Product encountered in wells may be residual product present in screen and filter pack material, and/or in sediment that entered the wells when the wells were used as SVE points. Small amounts of product may have mobilized during the periods of high water experienced in 2016. Product was only occasionally observed in wells and only in small amounts.

Well redevelopment activities were conducted in April 2016 in an attempt to remove sediment and residual product. Wells were scrubbed with a long handled brush. Air lift pumping was conducted at wells RW-1, RW-2, and MW-7. Air lift pumping was attempted at RW-3, although the water column was very short at RW-3 and could not be pumped by air lift or with a submersible pump. Water and sediment were also removed from RW-1 and RW-3 with a bailer during subsequent site visits in 2016. Product removed from the wells often was observed as globules and/or tar-like granules. Absorbent pads placed in wells to remove product also had “blotchy” patterns of product absorption and were not evenly coated indicating that product was not in a regular layer on the water surface in the wells.

Trends in SVE Emissions

The SVE system was not operated in 2016. VOC concentrations were less than detection limits in emission samples collected in 2015 prior to system shut down (Chart 3, Table 7).

Trends in Groundwater Quality

Water samples were collected quarterly from select monitoring wells in 2016. Dissolved phase hydrocarbon concentrations declined or remained relatively stable at monitoring wells sampled relative to the concentrations observed in previous years (Table 1, Chart 1, 1a and 1b). Benzene isoconcentration maps are presented for each of the quarterly sample rounds in 2016 as Figures 3a-d. The aerial extent of the dissolved phase plume is very similar for each of the four events in 2016. The extent is also generally consistent with extents observed since September 2009, with some fluctuations. While the extent of the plume has remained relatively consistent since 2009, dissolved phase benzene concentrations within the plume have declined by an order of magnitude or more at most wells within the footprint of the plume (Table 1, Chart 1, 1a and 1a). The maximum benzene concentration detected at any well in 2016 was 9.3 micrograms per liter (ug/l) at MW-5, which is lower than any previous year. This includes samples collected from wells where product has historically been present.

Groundwater monitoring was conducted during past system shutdown periods in 2011, 2013-2014, and 2015. Two or more rounds of groundwater samples were collected during each of these periods when the system was off. The system on and off cycles are shown on the benzene concentration graphs on Charts 1a, and 1b. There appears to have been a slight increase in benzene concentrations at a few wells during system shutdown periods in 2011 and 2013-2014, although the lateral extent of the plume did not expand during these shutdown periods. Also, the amount of increase observed in concentrations was less in 2013-2014 than during the shutdown period in 2011. There was no apparent increase in concentrations during the shutdown period in 2015.

Supplemental Sparge System Decommission and Monitoring Well Abandonment

All 68 sparge points that were part of the supplemental system were sealed in accordance with NR 141 Wisc. Admin Code in December 2016. Sealing the sparge points and decommissioning the supplemental system was conducted in accordance with the *Plan to Decommission Supplemental Air Sparge System and Seal Select Monitoring Wells Enbridge Energy MP 85 Release Site, dated August 8, 2016*. The plan was approved by the WDNR in an email to Enbridge Energy on August 12, 2016.

Monitoring wells MW-19, MW-20, MW-22, MW-23, MW-24, MW-24D, and MW-31 were also sealed in December 2016 in accordance with the approved plan. No petroleum hydrocarbons were detected in any samples collected from the wells that were sealed (Table 1). Sealing records for wells and sparge points are presented in Attachment A.

Key Findings

In 2016, sparging was conducted at points AS-3, AS-7 and MW-7d. The SVE has been off since approximately March 1, 2015 and was not operated during 2016. Following is a summary of system O&M and groundwater monitoring results:

- Product was observed in wells RW-1 and RW-3 sporadically during 2016 at a thickness generally ranging from trace amounts to less than 0.2 feet, with one thickness measurement of 0.05 feet in RW-3. Product was observed in MW-7 at a thickness ranging from a trace amount to 0.01 feet. No product was observed in other wells with historical presence (RW-2, MW-2, or MW-11) in 2016.
- Product was removed from wells by bailing or use of oil absorbent pads. Less than one gallon of product was recovered from the site in 2016. Product removed from wells was often in globules or granules, and pads generally did not have a complete coverage of product indicating there was not a complete layer of product on the water surface in the wells.
- Wells were redeveloped and cleaned in an attempt to remove potential residual product from accumulated sediment in well, or from the well casing and filter pack.
- The concentrations of dissolved phase hydrocarbons in groundwater continue to decline as seen in previous years. The maximum benzene concentration detected at the site in 2016 was less than 10 ug/l. There was no apparent rebound in VOC concentrations while the SVE system was off in 2015 and 2016.

Recommended System Operation

It was anticipated that the AS system would be shut down in spring 2017 based on groundwater monitoring results. The air compressor on the AS system malfunctioned early in 2017 and is not operating. It is recommended to keep the AS system shut off along with the SVE system.

Wells where product has been most persistent were historically operated as SVE points (RW-1, RW-3, and MW-7). Product recharges very slowly to these wells only in trace amounts and not in a full layer.

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From: Jon Aspie, P.G.
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Date: April 10, 2016
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This product may not be indicative of the product in the aquifer. Redevelopment and cleaning may be conducted on several occasions if it appears possible that the residual product may be completely removed from the wells, as it is difficult to completely clear the well during any single event.

Product observed in wells will continue to be removed to help evaluate recharge rates. Product recharge to wells has been at a maximum of a few ounces per month. Therefore active product recovery does not appear to be needed, necessary, or cost effective. Additionally, VOC concentrations have been relatively low at wells where product has been observed indicating the residual product is not acting as a continuing source of dissolved phase hydrocarbons which would cause an expansion of the plume. No expansion of the dissolved phase plume has been observed during past system shut downs. Analytical groundwater samples will be collected quarterly from select wells as part of remediation monitoring.

If the dissolved phase plume remains stable or continues to decline after system shutdown, and no additional product is observed at the site after system shutdown, a case closure report will be prepared after the appropriate number of quarterly sampling rounds has been conducted in accordance with NR 700.

II. WI DNR Forms 4400-194

PURPOSE AND APPLICABILITY OF THIS FORM: Completion of this form is required under s. NR 724.13(e), Wis. Adm. Code. Use of this form is mandatory. Failure to submit this form as required is a violation of s. NR 724.13, Wis. Adm. Code, and is subject to the penalties in s. 144.99, Wis. Stats. This form must be submitted every six months for active soil and groundwater remediation projects and every twelve months for passive (natural attenuation) remediation projects that are regulated under the NR 700 series of Wis. Adm. Code. Specifically, for sites meeting any of the following criteria:

- Soil or groundwater remediation projects that report progress in accordance with s. NR 700.11(1), Wis. Adm. Code.
- Soil or groundwater remediation projects that report progress in accordance with s. NR 724.13(3), Wis. Adm. Code. (Note: s. NR 724.13(3) requires progress reports for operation and maintenance of active systems to be submitted every three months however the Department considers submittal of this form every six months to satisfy the requirements of the rules, unless otherwise directed by the Department on a site specific basis.)
- Soil or groundwater remediation projects that report progress in accordance with s. NR 724.17(3), Wis. Adm. Code. (Note: s. NR 724.17(3) requires progress reports every time that samples are collected however the Department considers submittal of this form every twelve months to satisfy the requirements of the rules for monitoring natural attenuation, unless otherwise directed by the Department on a site specific basis.)

Submittal of this form is not a substitute for reporting required by Department programs such as Wastewater or Air Management. Personally identifiable information on this form is not intended to be used for any other purpose than tracking progress of the remediation by the Bureau for Remediation and Redevelopment.

Please refer to the instructions that are attached to the back of these forms starting on page INS-1. In all cases, when asked to "explain," those explanations are to be included on separate sheets of paper. Explanations must include a title that refers to the page and item number, for example: Page GI-2, C.1 .a.

A. GENERAL INFORMATION:

1. Site name: Enbridge Energy, Limited Partnership, Line 14, MP-85 Crude Oil Release Site
2. Reporting period from: 01/01/16 To 12/31/16 Days in period: 365
3. Regulatory agency (enter DNR, DCOM, DATCP and/or other): DNR
4. DNR issued site number: WDNR BRRTS #02-55-548746
5. State reimbursement fund claim number and fund name (if not applicable, enter NA): NA
6. Site location:
 - a. DNR region and county: Rusk
 - b. Street address and municipality: 9150 Reichel Road, Bruce, WI 54819
 - c. Township, range, section and quarter quarter section: SW ¼ of NW ¼, Section 9, Township 36 N, Range 7 W
7. Responsible party:
 - a. Name: Enbridge Energy, Limited Partnership, attn: Karl Beaster
 - b. Mailing address: 119 N 25th Street E, Superior, WI 54880
 - c. Phone number: 715-398-4754
8. Consultant:
 - a. Company name: Barr Engineering Co., attn: Jon Aspie
 - b. Mailing address: 325 South Lake Ave, Suite 700, Duluth, MN 55802
 - c. Phone number: 218-529-8200
9. Contaminants: Petroleum hydrocarbons related to crude oil.
10. Soil types (USCS or USDA): CL (0-5' bgs), SP - SM (5+ ft bgs)
11. Hydraulic conductivity (cm/sec): 0.04 cm/sec
12. Average linear velocity of groundwater (ft/yr): 146 to 292 ft/yr

GENERAL SITE INFORMATION, CONTINUED

SITE NAME AND REPORTING PERIOD:

Site name: Enbridge Energy, Limited Partnership, Line 14, MP-85 Crude Oil Release Site

Reporting period from: 01/01/16 To: 12/31/16 Days in period: 365

A. GENERAL INFORMATION (CONTINUED):

13. If soil is treated ex situ, is the treatment location off site? (Y/N) If yes, give location: NA

a. DNR region and county: _____

b. Township, range, section and quarter quarter section: _____

B. REMEDIATION METHOD: Only submit pages that apply to an individual site. Check all that apply:

- Groundwater extraction (submit a completed page GW-1).
- Free product recovery (submit a completed page GW-1).
- In situ air sparging (submit a completed page GW-2).
- Groundwater natural attenuation (submit a completed page GW-3).
- Other groundwater remediation method (submit a completed page GW-4).
- Soil venting (including soil vapor extraction and bioventing, submit a completed page IS-1).
- Soil natural attenuation (submit a completed page IS-2).
- Other in situ soil remediation method (submit a completed page IS-3).
- Biopiles (submit a completed page ES-1).
- Landspreading/thinspreading of petroleum contaminated soil (submit a completed page ES-2).
- Other ex situ soil remediation method (submit a completed page ES-3).

C. GENERAL EFFECTIVENESS EVALUATION FOR ALL ACTIVE SYSTEMS: If the remediation is active (not natural attenuation), complete this subsection.

1. Is the system operating at design rates and specifications? (Y/N): Y

If the answer is no, explain whether or not modifications are necessary to achieve the goal that was previously established in design.

2. Are modifications to the system warranted to improve effectiveness? (Y/N) If yes, explain: N. The system was shut down in early 2017. Groundwater monitoring will be conducted to evaluate natural attenuation for closure.

3. Is natural attenuation an effective low cost option at this time? (Y/N): Y

4. Is closure sampling warranted at this time? (Y/N): N

5. Are there any modifications that can be made to the remediation to improve cost effectiveness? (Y/N) If yes, explain: N

D. ECONOMIC AND COST DATA TO DATE:

1. Total investigation costs (\$): Costs are not provided at this time.

2. Implementation costs (design, capital and installation costs, excluding investigation costs) (\$): NA

3. Total costs during the previous reporting period (\$): NA

4. Total costs during this reporting period (\$): NA

5. Total anticipated costs for the next reporting period (\$): NA

6. Are any unusual or one-time costs listed in the reporting periods covered by D.3., D.4. or D.5. above? (Y/N) If yes explain: NA

7. If close out is anticipated within 12 months, estimated costs for project closeout (\$): NA

GENERAL SITE INFORMATION, CONTINUED

SITE NAME AND REPORTING PERIOD:

Site name: Enbridge Energy, Limited Partnership, Line 14, MP-85 Crude Oil Release Site

Reporting period from: 01/01/16 To: 12/31/16 Days in period: 365

E. NAME(S), SIGNATURE(S) AND DATE OF PERSON(S) SUBMITTING FORM: Legibly print name, date and sign. Only persons qualified to submit reports under ch. NR 712 Wis. Adm. Code are to sign this form.

Registered Professional Engineers:

I (print name) _____, 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 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.

Signature, title, P.E. Number and date: _____

Hydrogeologists:

I (print name) Jon Aspie, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03(1), Wis. Adm. Code, and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

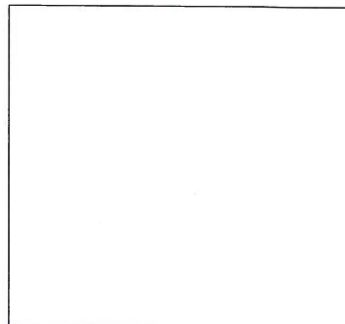
Signature, title and date: Jon Aspie, P.G. 831-013, 04/11/17

Scientists:

I (print name) _____, hereby certify that I am a scientist as that term is defined in s. NR 712.03(3), Wis. Adm. Code, and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Signature, title and date: _____

Professional Seal(s), if applicable:



IN SITU AIR SPARGING SYSTEMS

SITE NAME AND REPORTING PERIOD:

Site name: Enbridge Energy, Limited Partnership, Line 14, MP-85 Crude Oil Release Site

Reporting period from: 01/01/16 To: 12/31/16 Days in period: 365

Date that the system was first started up: 3/10/08 (Line 3), 4/1/08 (Lines 1 and 2), 4/8/08 (Source Area)

A. IN SITU AIR SPARGING SYSTEM OPERATION:

1. Number of air injection wells at the site and the number actually in use during the period: A total of 75 sparge points, including 68 points associated with the supplemental sparge system located downgradient of the source area, are present at the site. The source area sparge system contains 8 sparge points operating in conjunction with source area SVE system. Seven dedicated source area sparge points were initially installed in 2008 and were operated continually or on a planned rotation from February 26, to June 9 in 2014. Deep monitoring well MW-7D was connected to the sparge system in place of sparge point AS-1 in June 2014 to direct air into the plume and was sparging operational on December 11, 2014. Sparging was been conducted continually at point MW-7D, AS-3, and AS-7 during 2016, which is in the areas near wells MW-7, RW-1, and RW-3 where trace product was occasionally observed in 2016.

The supplemental sparge system was not operated during 2016. The supplemental sparge system was manually turned off March 24, 2009 because dissolved phase hydrocarbon concentrations in groundwater were less than detection limits in the area of the supplemental sparge system. The compressor for the supplemental sparge system was removed in September 2012, as no future use of the supplemental sparge system was expected to be conducted. All 68 sparge points in the supplemental system were sealed in accordance with NR 141 in December 2016 in accordance with the WDNR approved work plan

2. Number of days of operation (only list the number of days the system actually operated, if unknown explain): Supplemental AS System: 0 days / Source Areas AS System: 365 days

3. System utilization in percent (days of operation divided by reporting time period multiplied by 100). If < 80%, explain: Supplemental AS System: 0% Source Areas AS System: 100%

B. SYSTEM EFFECTIVENESS EVALUATION:

1. If free product is not present, determine the single contaminant that requires the greatest percent reduction to achieve ch. NR 140 ES and PAL. Perform this calculation for all contaminants that were present at the site that have ch. NR 140 standards. Use the highest contaminant concentration measured in any sampling points during reporting period. If free product is present, write "FREE PRODUCT" in B.1.a.

a. Contaminant: Free Product

b. Percent reduction necessary to reach ch. NR 140 ES and PAL: NA

c. Maximum contaminant concentration level in any monitoring well ($\mu\text{g/L}$): Benzene: 9.3 $\mu\text{g/L}$ at MW-5 in December 2016, during this reporting period.

2. Is there any evidence that air is short circuiting through natural or man-made pathways? (Y/N) If so, explain: N

3. Is the size of the plume increasing, stabilized, or decreasing (if increasing, explain): The aerial size of the plume has stabilized, and the concentrations within the plume were stable or declining in 2016.

C. ADDITIONAL ATTACHMENTS: Attach the following to this form:

- Groundwater contour map.
- Groundwater contaminant distribution map (may be combined with contour map).
- When contaminants are aerobically biodegradable, attach a dissolved oxygen in groundwater map (dissolved oxygen may be combined with the contaminant data on a single map).
- Site map with all air injection wells and groundwater monitoring points.
- Graph of contaminant concentrations versus time for the contaminant listed in B.1 .a. (above) for the monitoring point with the greatest level of contamination.
- Groundwater contaminant chemistry table.
- Groundwater elevations table.
- System operational data table.

SOIL VENTING (INCLUDING BOTH SOIL VAPOR EXTRACTION AND BIOVENTING)

SITE NAME AND REPORTING PERIOD:

Site name: Enbridge Energy, Limited Partnership, Line 14, MP-85 Crude Oil Release Site

Reporting period from: 01/01/16 To: 12/31/16 Days in period: 365

Date that the system was first started up: 1/17/08

A. SOIL VENTING SYSTEM OPERATION:

1. Number of air extraction wells available and number of wells actually in use during the period: The SVE system was operated using 12 extraction points – SVE points SVE-1 through SVE-10, RW-1, and RW-3. Monitoring well MW-33 was connected to the SVE system and used as a SVE extraction point during the second half of 2014 and continued till the SVE system shut down in March 2015.

The system was restarted on February 26, 2014 and operated continuously until approximately March 1, 2015, when the system shut down due to unknown reasons. Shut down of the SVE system was planned for early 2015, and the system was not restarted. The SVE system was shut off during 2016.

2. Number of days of operation (only list the number of days the system actually operated, if unknown explain): 0

3. System utilization in percent (days of operation divided by reporting time period multiplied by 100). If less than 80%, explain: The system was off all of 2016 as planned and approved by the WDNR.

4. Average depth to groundwater: 35 feet (in the area of the SVE system)

B. EFFECTIVENESS EVALUATION: [START HERE]

1. Average contaminant removal rate for the entire system (pounds per day): 0

2. Average contaminant removal rate per well (pounds per day): 0

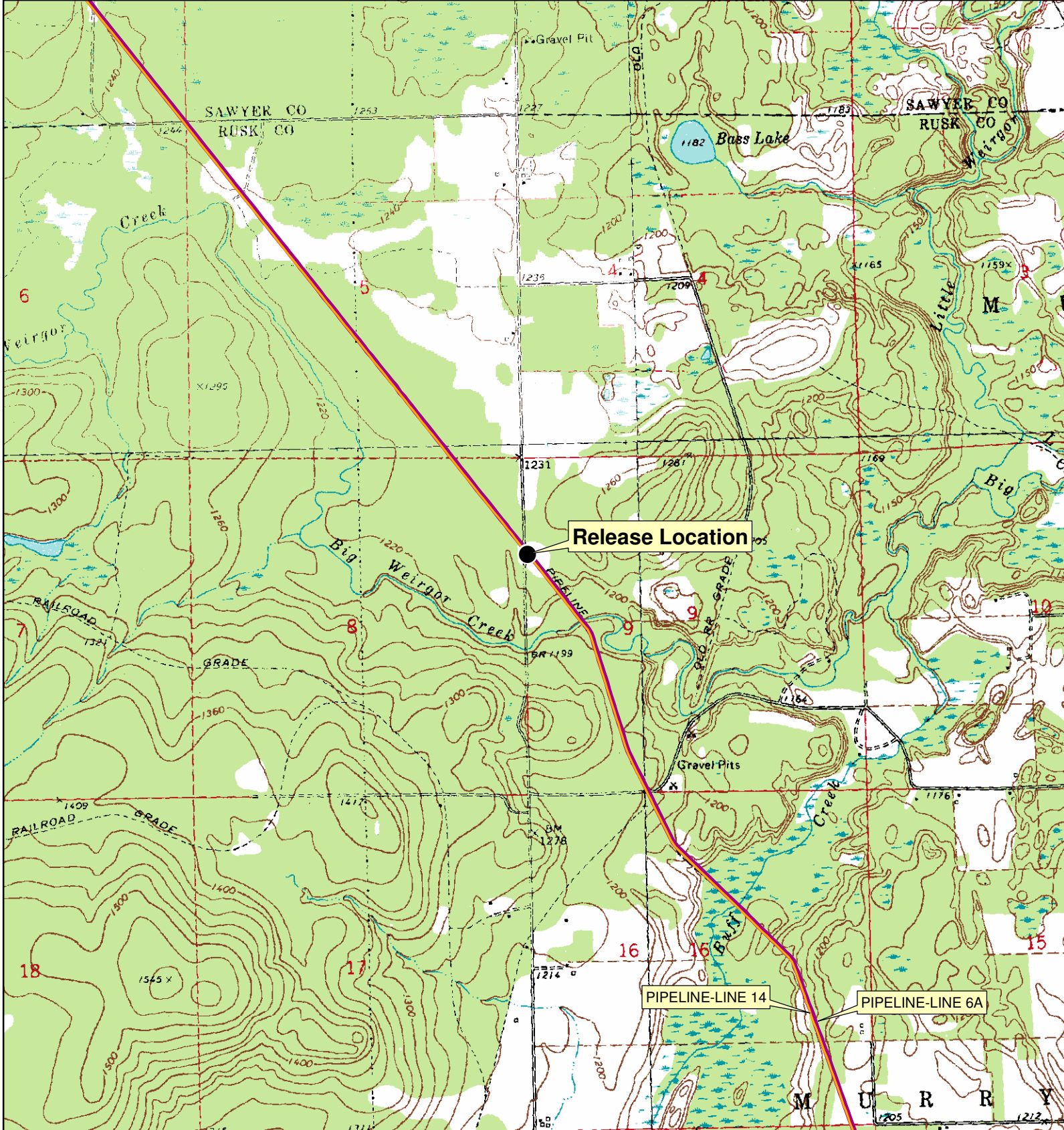
3. If the average contaminant removal rate is less than one pound per day for the entire system, or if the average contaminant removal rate per well is less than one tenth of a pound per day, evaluate the following:

- a. If contaminants are aerobically biodegradable and confirmation borings have not been drilled in the past year:
 - i. Oxygen levels in extracted air (percent): N/A
Methane levels in extracted air (ppm_v). If over 10 ppm_v, explain: N/A
 - iii. If methane is not present above 10 ppm_v and if oxygen is greater than 20 percent in extracted air, you should either:
 - o Drill confirmation borings during the next reporting period, if the entire site should be considered for closure.
 - o Or, perform an in situ respirometry test in a zone of high contamination. Do not perform the test in an air extraction well, use a gas probe or water table well. If a zero order rate of decay based on oxygen depletion is less than 2 mg/kg per day, then you should drill confirmation borings, if the entire site should be considered for closure. If the rate of decay is between 2 and 10 mg/kg, operate for one more reporting period before evaluating further. If the zero order rate of decay is greater than 10 mg/kg total hydrocarbons, continue operating the system in a manner than maximizes aerobic biodegradation.
- b. If contaminants are not aerobically biodegradable and confirmation borings have not been recently drilled during the past year, you should drill confirmation borings during the next reporting period if the entire site should be considered for closure.
- c. If soil borings were drilled during the past year and soil contamination remains above acceptable levels, explain if the system effectiveness can be increased and/or if other options need to be considered to achieve cleanup criteria.

C. ADDITIONAL ATTACHMENTS: Attach the following to this form:

- Well and soil sample location map indicating all air extraction wells. If forced air injection wells are also in use, identify those wells.
- If water table monitoring wells are present at the site, a map of well locations.
- Time versus vapor phase contaminant concentration graph.
- Time versus cumulative contaminant removal graph.
- Groundwater elevations table, if water table wells are present at the site; also list screen lengths and elevations. Table of soil contaminant chemistry data.
- Soil gas data, if gas probes are used to monitor subsurface conditions in locations other than where air is extracted. System operational data table.

III. Figures



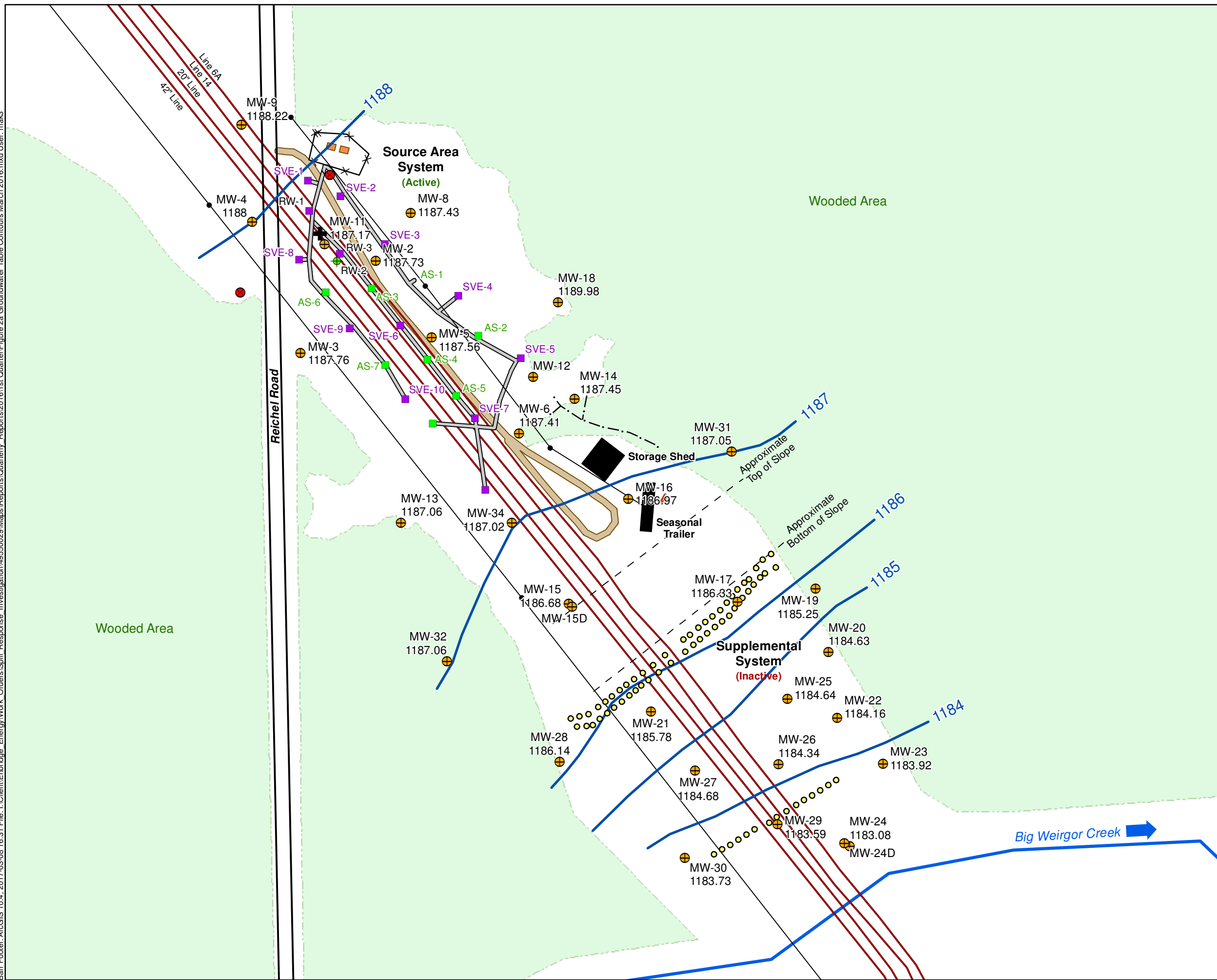
Release Location: NW 1/4, Section 9
Township 36 N, Range 7 W



Figure 1

SITE LOCATION MAP
Enbridge Energy, Limited Partnership
Line 14, MP-85 Crude Oil Release Site
Rusk County, Wisconsin

Barr Footer: ArcGIS 10.4, 2017-03-08 16:31 File: I:\Client\Enbridge_Energy\Work_Orders\Spill_Response_Investigation\4955029\Maps\Reports\Quarterly_Reports\2016\1st_Quarter\Figure 2a Groundwater Table Contours March 2016.mxd User: mak3



- Groundwater Table Contours
- + Release Location
- ⊕ Monitoring Wells
- Abandoned Monitoring Wells
- ⊕ Recovery Wells
- Supplemental Sparge Wells
- ▲ Residential Well
- Source Area Sparge Wells
- SVE Points
- x—x Fence
- · - · - Ravine
- Approximate Pipeline Locations
- Overhead Powerlines and Poles
- ▭ Remediation System Sheds
- ▭ SVE / AS Trench
- ▭ Driveway
- ▭ Structures
- ➔ Approximate River Flow Direction
- 1186.25 Water Elevation in Well
- * Free Product Present

DRAFT

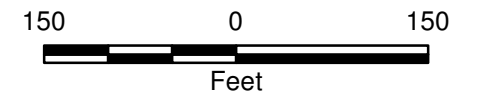
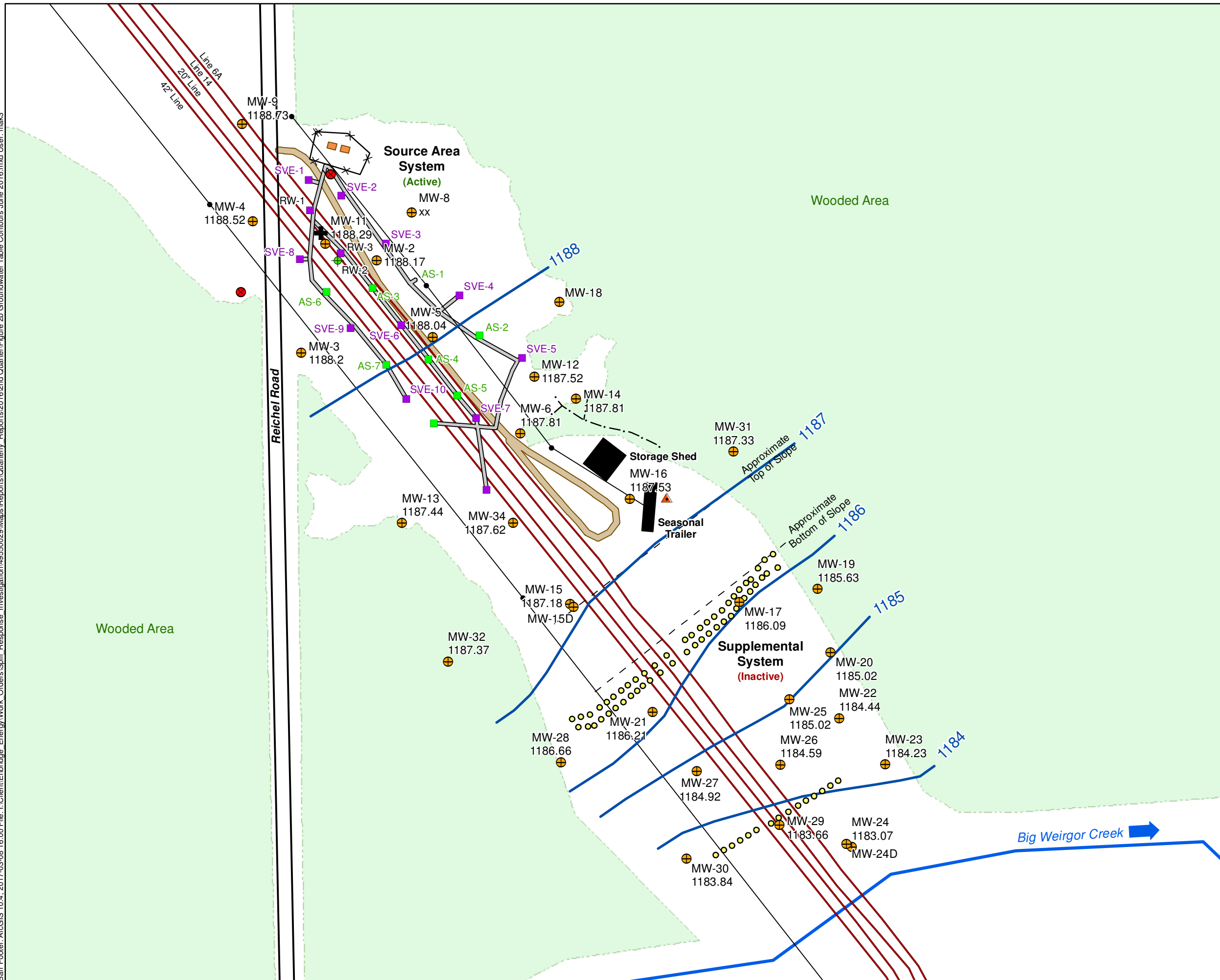


Figure 2a

GROUNDWATER TABLE CONTOURS
 March 2016
 Enbridge Energy, Limited Partnership
 Line 14, MP 85 Crude Oil Release Site
 Rusk County, Wisconsin

Barr Footer: ArcGIS 10.4, 2017-03-08 16:00 File: I:\Client\Enbridge_Energy\Work_Orders\Spill_Response_Investigation\49550029\Maps\Reports\Quarterly_Reports\2016\2nd Quarter\Figure 2b_Groundwater Table Contours June 2016.mxd User: mak3



- Groundwater Table Contours
- + Release Location
- ⊕ Monitoring Wells
- Abandoned Monitoring Wells
- ⊕ Recovery Wells
- Supplemental Sparge Wells
- ▲ Residential Well
- Source Area Sparge Wells
- SVE Points
- x—x Fence
- · - · - Ravine
- Approximate Pipeline Locations
- Overhead Powerlines and Poles
- Remediation System Sheds
- SVE / AS Trench
- Driveway
- Structures
- ➔ Approximate River Flow Direction
- 1186.25 Water Elevation in Well
- * Free Product Present

DRAFT

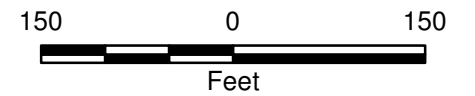
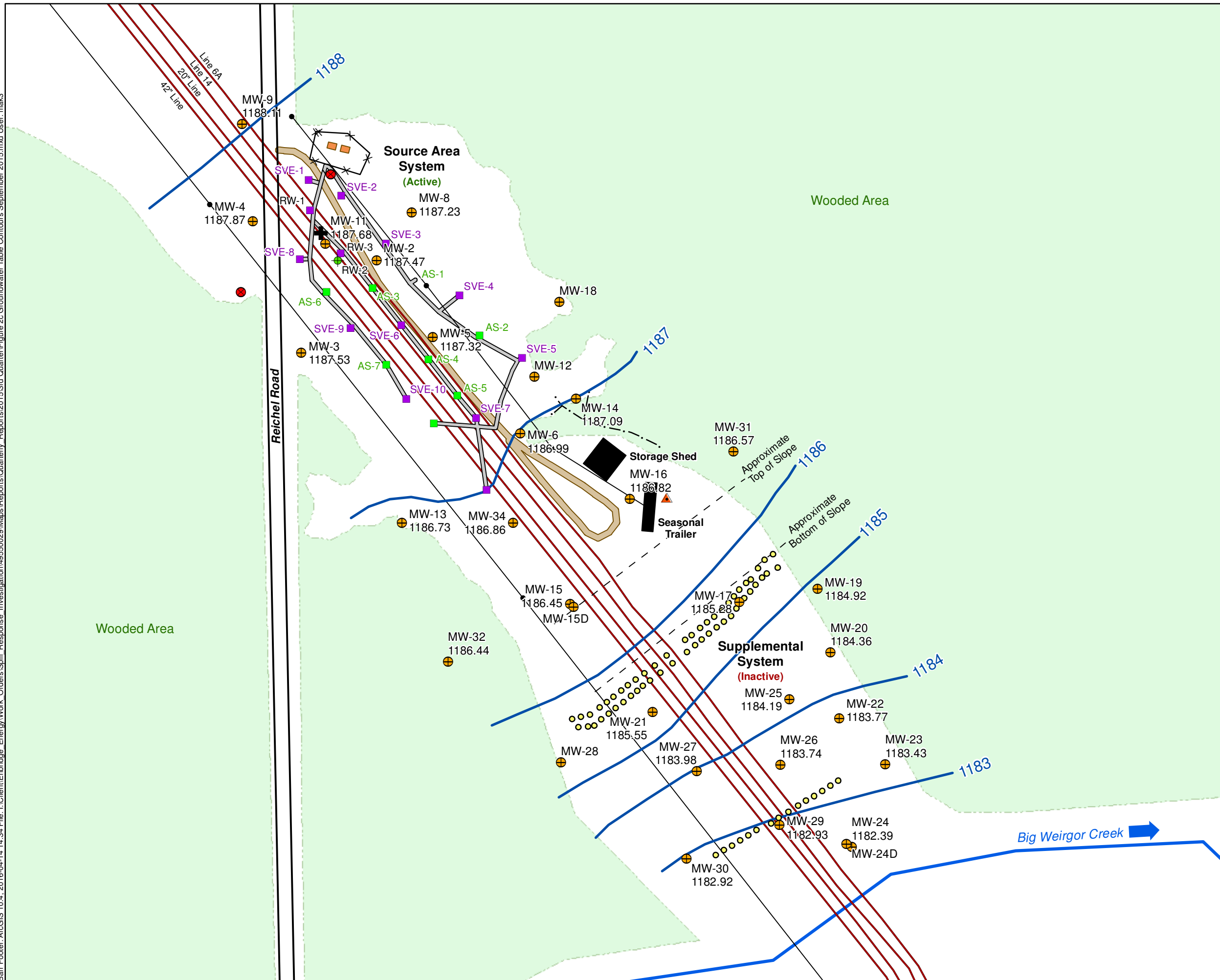


Figure 2b

GROUNDWATER TABLE CONTOURS
 June 2016
 Enbridge Energy, Limited Partnership
 Line 14, MP 85 Crude Oil Release Site
 Rusk County, Wisconsin

Barr Footer: ArcGIS 10.4, 2016-04-14 14:34 File: I:\Client\Enbridge_Energy\Work_Orders\Spill_Response_Investigation\49550202\Maps\Reports\Quarterly_Reports\20153rd_Quarter\Figure 2c Groundwater Table Contours September 2015.mxd User: mak3



- Groundwater Table Contours
- + Release Location
- ⊕ Monitoring Wells
- Abandoned Monitoring Wells
- ⊕ Recovery Wells
- Supplemental Sparge Wells
- ▲ Residential Well
- Source Area Sparge Wells
- SVE Points
- x—x Fence
- - - Ravine
- Approximate Pipeline Locations
- Overhead Powerlines and Poles
- Remediation System Sheds
- SVE / AS Trench
- Driveway
- Structures
- ➔ Approximate River Flow Direction
- 1186.25 Water Elevation in Well
- * Free Product Present

DRAFT

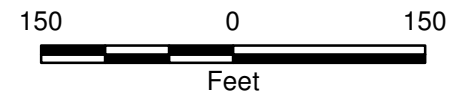
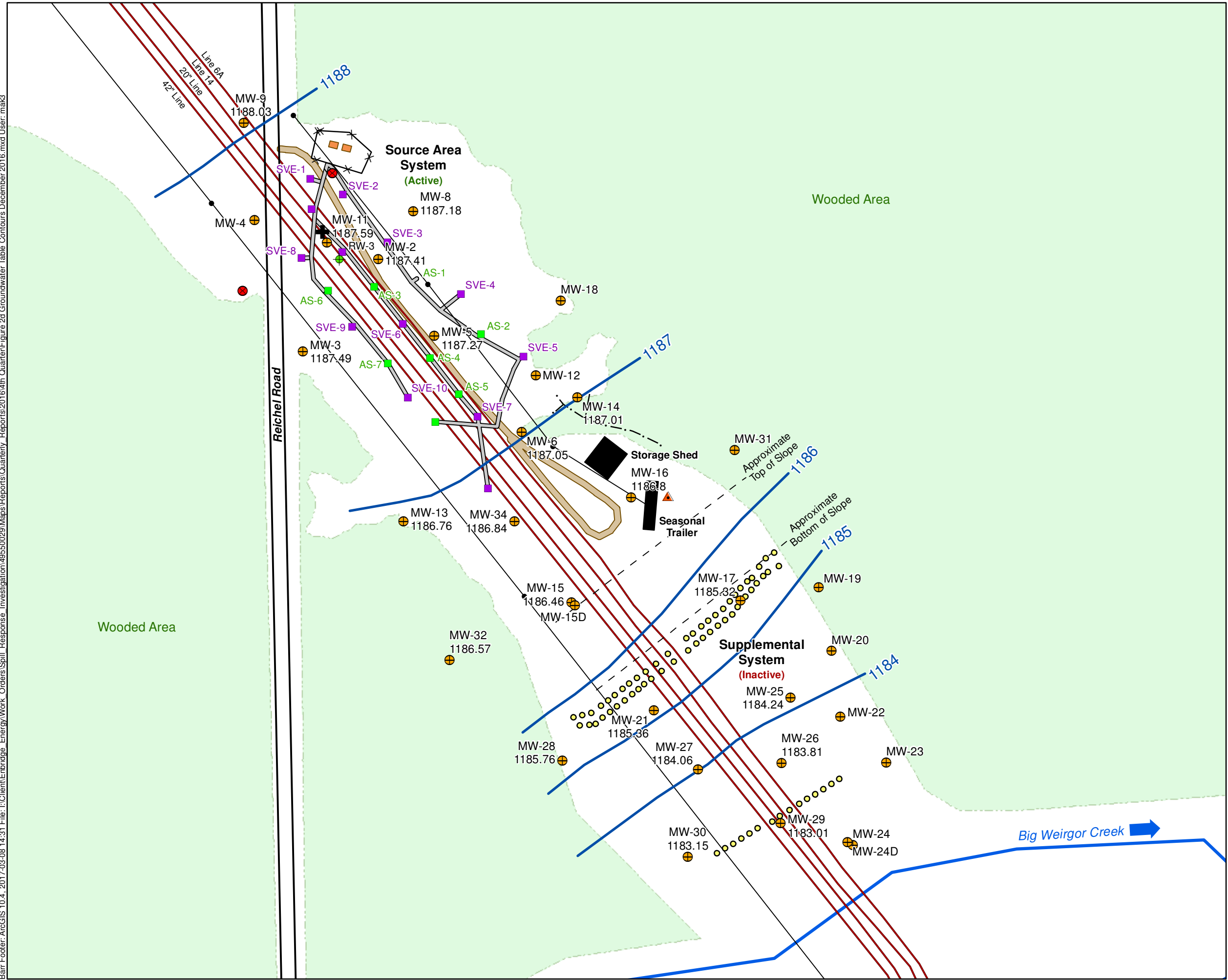


Figure 2c

GROUNDWATER TABLE CONTOURS
 September 2016
 Enbridge Energy, Limited Partnership
 Line 14, MP 85 Crude Oil Release Site
 Rusk County, Wisconsin

Barr Footer: ArcGIS 10.4, 2017-03-08 14:31 File: I:\Client\Enbridge_Energy\Work_Orders\Spill_Response_Investigation\4955029\Maps\Reports\Quarterly_Reports\2016\4th_Quarter\Figure 2d Groundwater Table Contours December 2016.mxd User: mak3



- Groundwater Table Contours
- + Release Location
- Monitoring Wells
- Abandoned Monitoring Wells
- Recovery Wells
- Supplemental Sparge Wells
- ▲ Residential Well
- Source Area Sparge Wells
- SVE Points
- x—x— Fence
- · - · - Ravine
- Approximate Pipeline Locations
- Overhead Powerlines and Poles
- ▭ Remediation System Sheds
- ▭ SVE / AS Trench
- ▭ Driveway
- ▭ Structures
- ➔ Approximate River Flow Direction
- 1186.25 Water Elevation in Well
- * Free Product Present

DRAFT

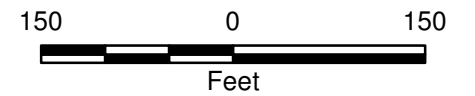
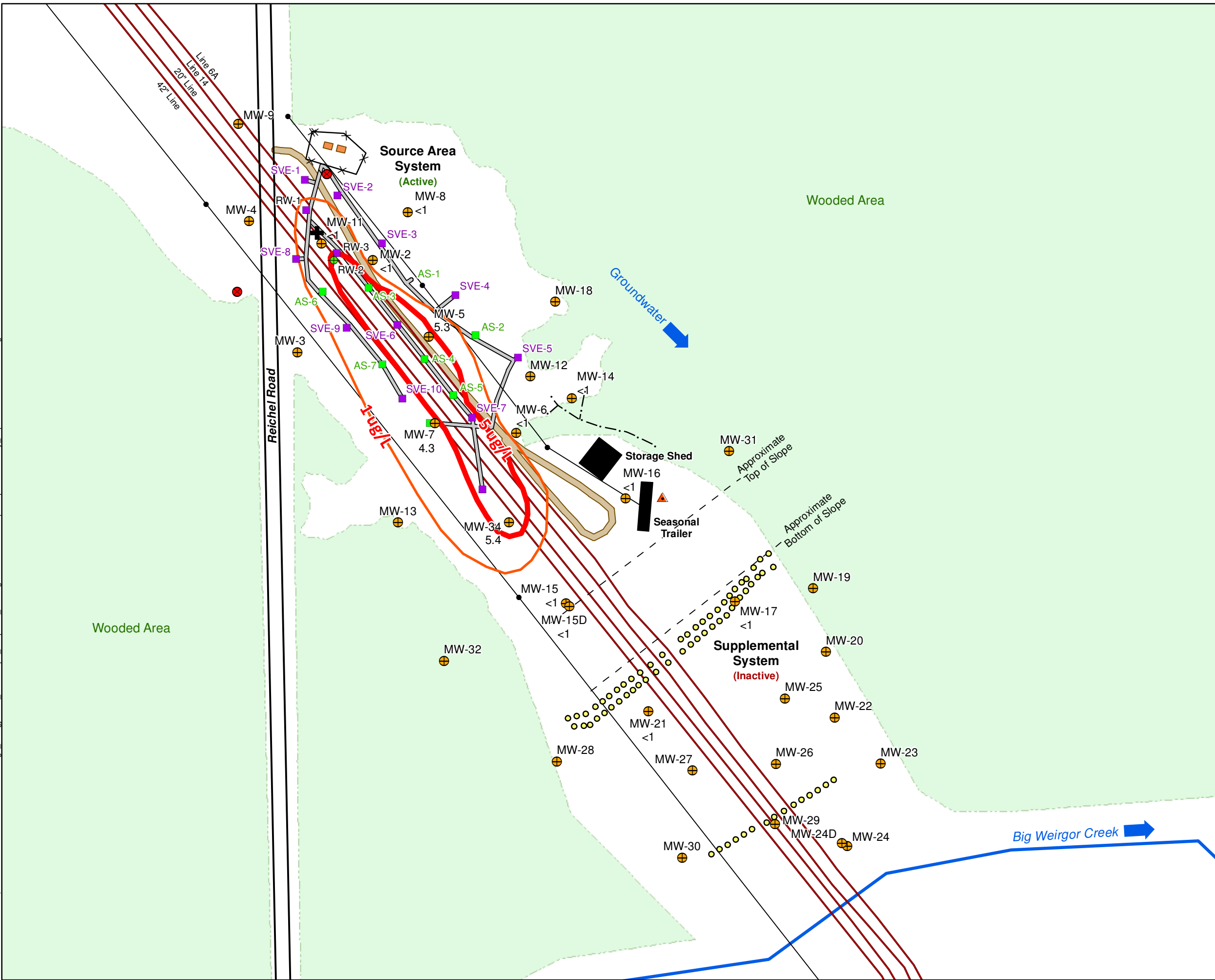


Figure 2d

GROUNDWATER TABLE CONTOURS
 December 2016
 Enbridge Energy, Limited Partnership
 Line 14, MP 85 Crude Oil Release Site
 Rusk County, Wisconsin

Barr Footer: ArcGIS 10.4, 2017-03-10 09:41 File: I:\Client\Enbridge_Energy\Work_Orders\Spill_Response_Investigation\4955029\Maps\Reports\Quarterly_Reports\2016\1st_Quarter\Figure 3a Benzene Isoconcentration March 2016.mxd User: mak3



- Benzene Isoconcentration Contours**
Micrograms per Liter (ug/L)
- 1 ug/L
 - 5 ug/L
 - + Release Location
 - ⊕ Monitoring Wells
 - ⊕ Abandoned Monitoring Wells
 - ⊕ Recovery Wells
 - Supplemental Sparge Wells
 - ▲ Residential Well
 - Source Area Sparge Wells
 - SVE Points
 - X Fence
 - · - · Ravine
 - Approximate Pipeline Location
 - ▭ SVE / AS Trench
 - ▭ Remediation System Sheds
 - ▭ Driveway
 - ▭ Structures
 - ➔ Approximate Groundwater and River Flow Direction
 - 680 Benzene Concentration in Water Sample from Well (ug/L)
 - < 1 Concentration Less than Indicated Method Detection Limit (ug/L)
 - *FP Free Product Present

DRAFT

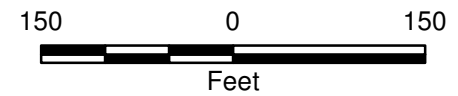
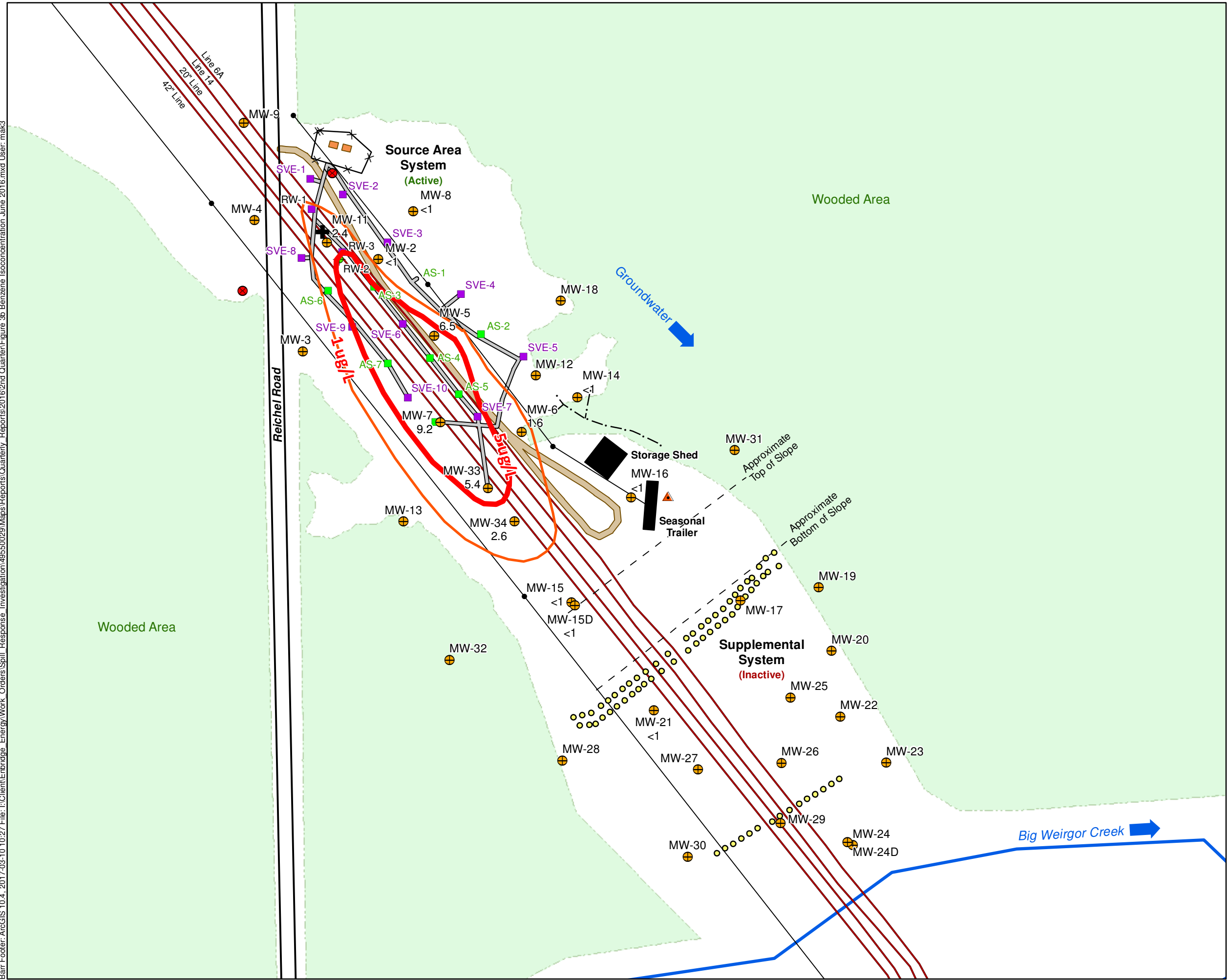


Figure 3a

BENZENE ISOCONCENTRATION
March 2016
Enbridge Energy, Limited Partnership
Line 14, MP 85 Crude Oil Release Site
Rusk County, Wisconsin

Barr Footer: ArcGIS 10.4, 2017-03-10 10:27 File: I:\Client\Enbridge_Energy\Work_Orders\Spill_Response_Investigation\49550029\Maps\Reports\Quarterly_Reports\2016\2nd Quarter\Figure 3b_Benzene_Isoconcentration_June 2016.mxd User: mak3



- Benzene Isoconcentration Contours**
Micrograms per Liter (ug/L)
- 1 ug/L
 - 5 ug/L
 - + Release Location
 - ⊕ Monitoring Wells
 - ⊗ Abandoned Monitoring Wells
 - ⊕ Recovery Wells
 - Supplemental Sparge Wells
 - ▲ Residential Well
 - Source Area Sparge Wells
 - SVE Points
 - ✕—✕ Fence
 - Ravine
 - ▭ SVE / AS Trench
 - Approximate Pipeline Location
 - ▭ Remediation System Sheds
 - ▭ Driveway
 - ▭ Structures
 - ➔ Approximate Groundwater and River Flow Direction
 - 680 Benzene Concentration in Water Sample from Well (ug/L)
 - < 1 Concentration Less than Indicated Method Detection Limit (ug/L)
 - *FP Free Product Present

DRAFT

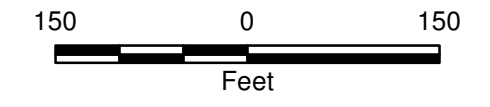
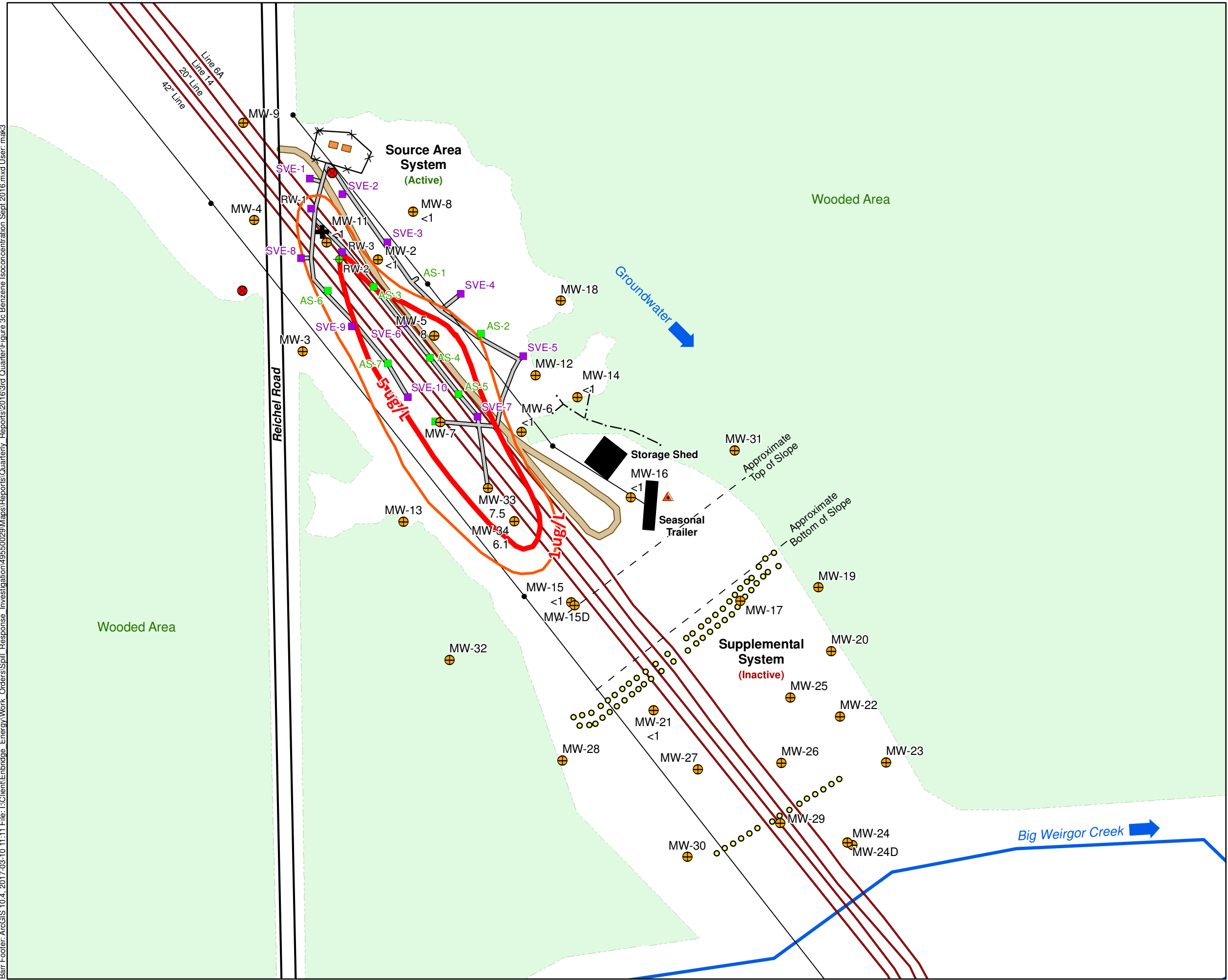


Figure 3b


BENZENE ISOCONCENTRATION
June 2016
Enbridge Energy, Limited Partnership
Line 14, MP 85 Crude Oil Release Site
Rusk County, Wisconsin

Barr Footer: ArcGIS 10.4, 2017-03-10 11:11 File: I:\Client\Enbridge_Energy\Work_Orders\Spill_Response_Investigation\49550029\Maps\Reports\Quarterly_Reports\2016\3rd_Quarter\Figure 3c Benzene Isoconcentration Sept 2016.mxd User: mak3



- Benzene Isoconcentration Contours**
Micrograms per Liter (ug/L)
- 1 ug/L
 - 5 ug/L
 - + Release Location
 - ⊕ Monitoring Wells
 - ⊕ Abandoned Monitoring Wells
 - ⊕ Recovery Wells
 - ⊕ Supplemental Sparge Wells
 - ▲ Residential Well
 - Source Area Sparge Wells
 - SVE Points
 - X—X— Fence
 - Ravine
 - SVE / AS
 - Approximate Pipeline Location
 - Remediation System Sheds
 - Driveway
 - Structures
 - ➔ Approximate Groundwater and River Flow Direction
 - 680 Benzene Concentration in Water Sample from Well (ug/L)
 - < 1 Concentration Less than Indicated Method Detection Limit (ug/L)
 - *FP Free Product Present

DRAFT



150 0 150
Feet


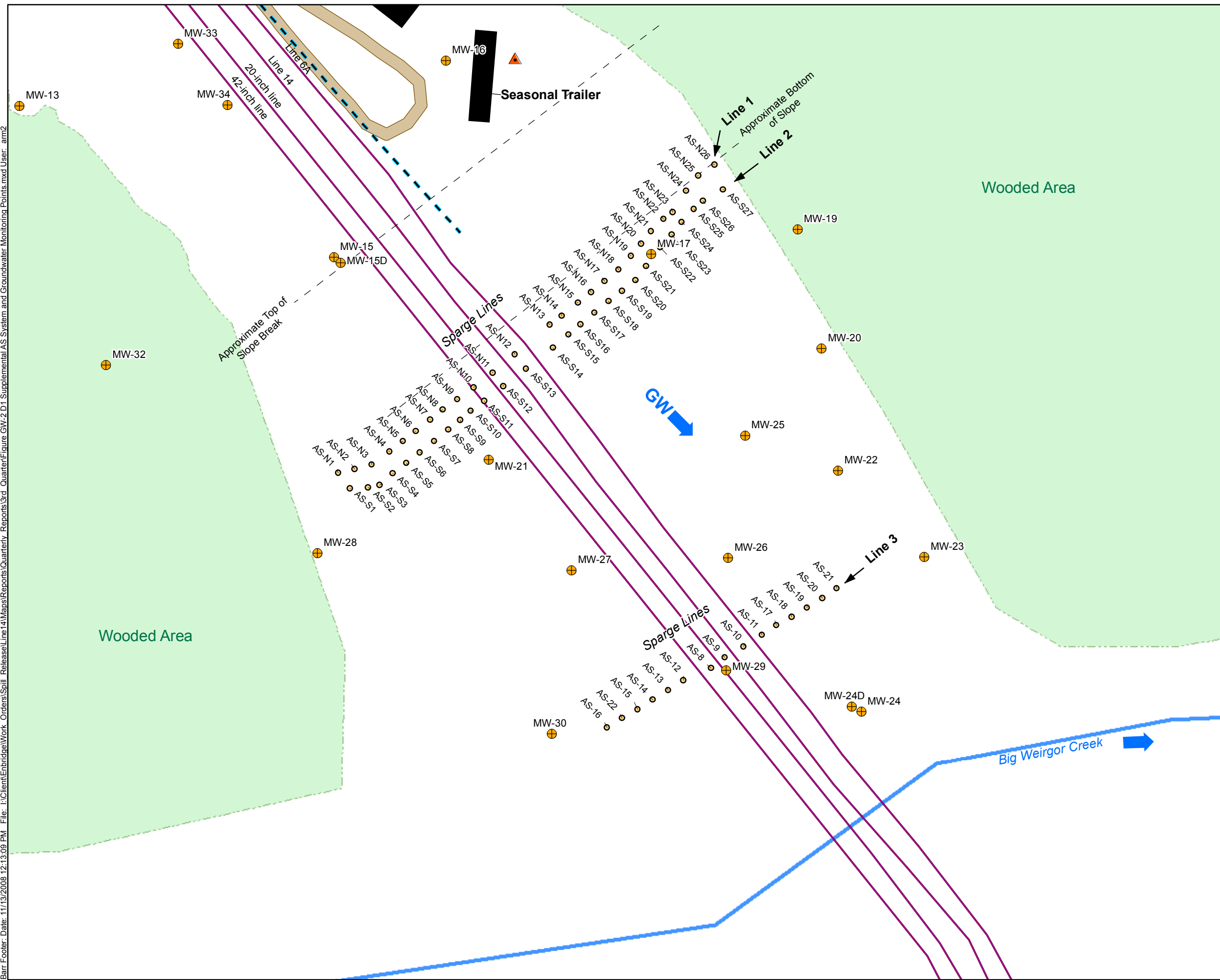


Figure 3c

BENZENE ISOCONCENTRATION
September 2016
Enbridge Energy, Limited Partnership
Line 14, MP 85 Crude Oil Release Site
Rusk County, Wisconsin



- Monitoring Well
- Supplemental Sparge Well
- Residential Well
- Approximate Supplemental AS System Trench Location
- Approximate Pipeline Location
- Driveway
- Structures
- Approximate Groundwater and River Flow Direction

Note: Supplemental AS System piping is above ground and not shown.

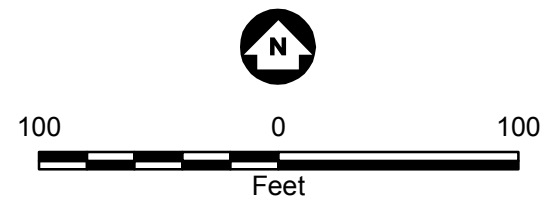
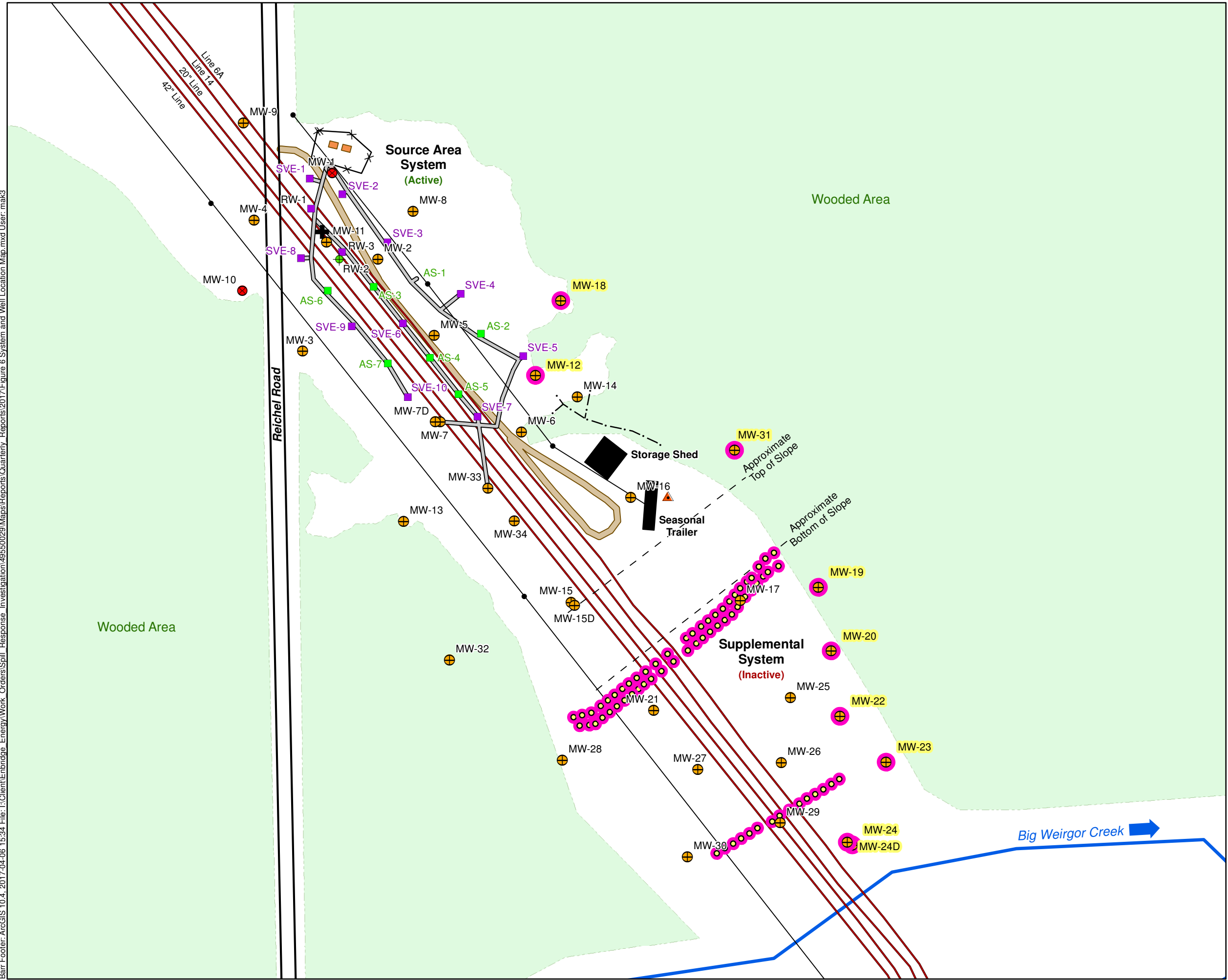


Figure 5

SUPPLEMENTAL AS SYSTEM AND
GROUNDWATER MONITORING POINTS
Enbridge Energy, Limited Partnership
Line 14, MP-85 Crude Oil Release Site
Rusk County, Wisconsin

Barr Footer: ArcGIS 10.4, 2017-04-06 15:34 File: I:\Client\Enbridge_Energy\Work_Orders\Spill_Response_Investigation\49550029\Maps\Reports\Quarterly_Reports\2017\Figure 6 System and Well Location Map.mxd User: mak3



- Monitoring Well
- Monitoring Well Sealed in December 2016
- Release Location
- Sealed Monitoring Wells
- Recovery Wells
- Supplemental System Sparge Points Sealed in December 2016
- Residential Well
- Source Area Sparge Wells
- SVE Points
- Fence
- Slope Break
- Ravine
- Power Poles
- Power Lines
- SVE / AS Trench
- Approximate Pipeline Location
- Remediation System Sheds
- Driveway
- Structures
- Approximate River Flow Direction

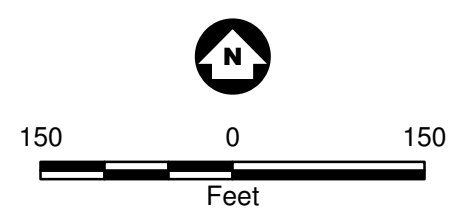


Figure 6

SYSTEM AND WELL LOCATION MAP
 Enbridge Energy, Limited Partnership
 Line 14, MP 85 Crude Oil Release Site
 Rusk County, Wisconsin

IV. Charts

Chart 1a
 Benzene Concentrations vs Time
 Wells from Chart 1 Displaying Data starting in 2010
 Enbridge Energy Limited Partnership - Line 14, MP 85 Crude Oil Release
 Rusk County, Wisconsin

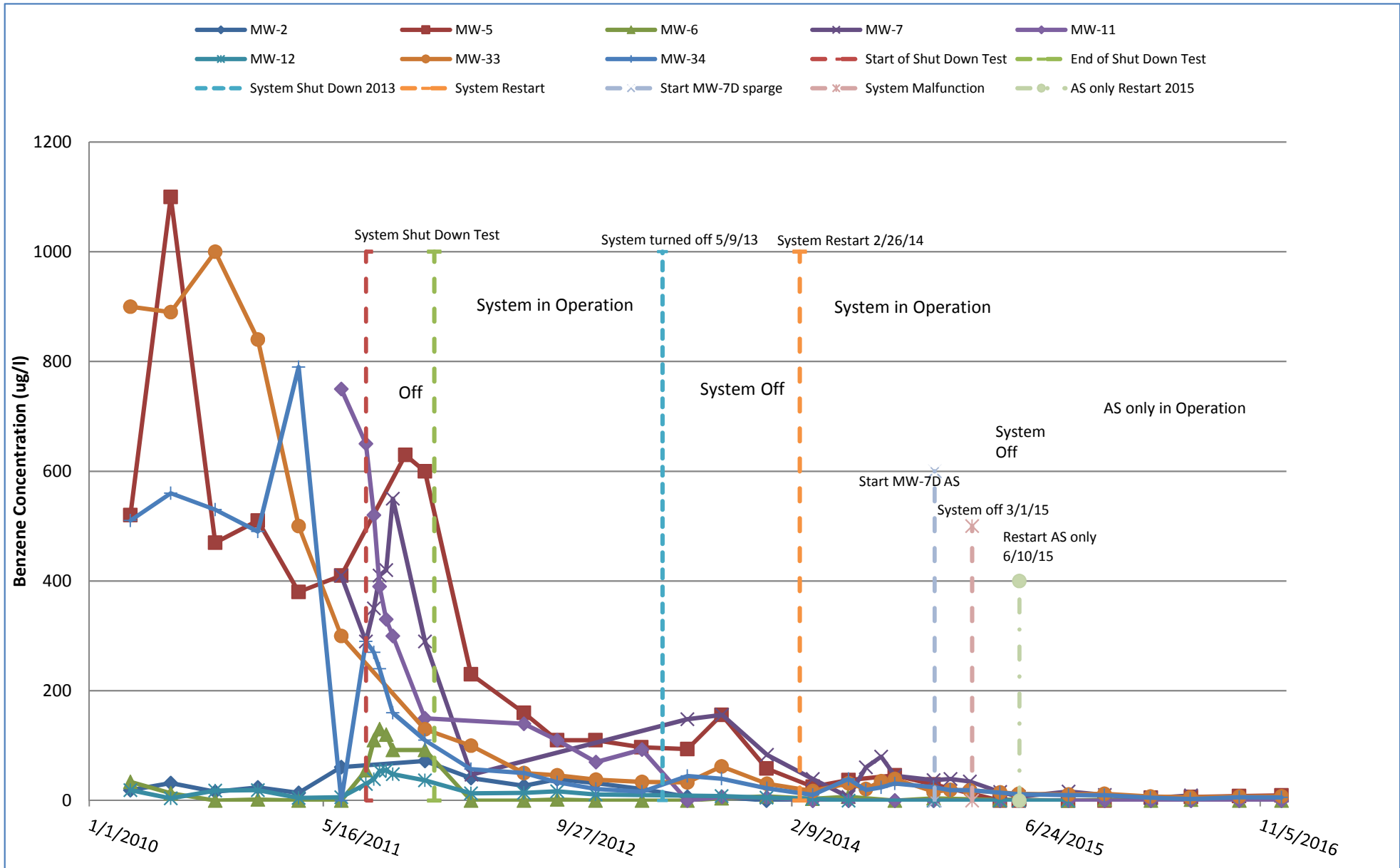


Chart 1b
 Benzene Concentrations vs Time
 Wells from Chart 1 Displaying Data 2014 through 2016
 Enbridge Energy Limited Partnership - Line 14, MP 85 Crude Oil Release
 Rusk County, Wisconsin

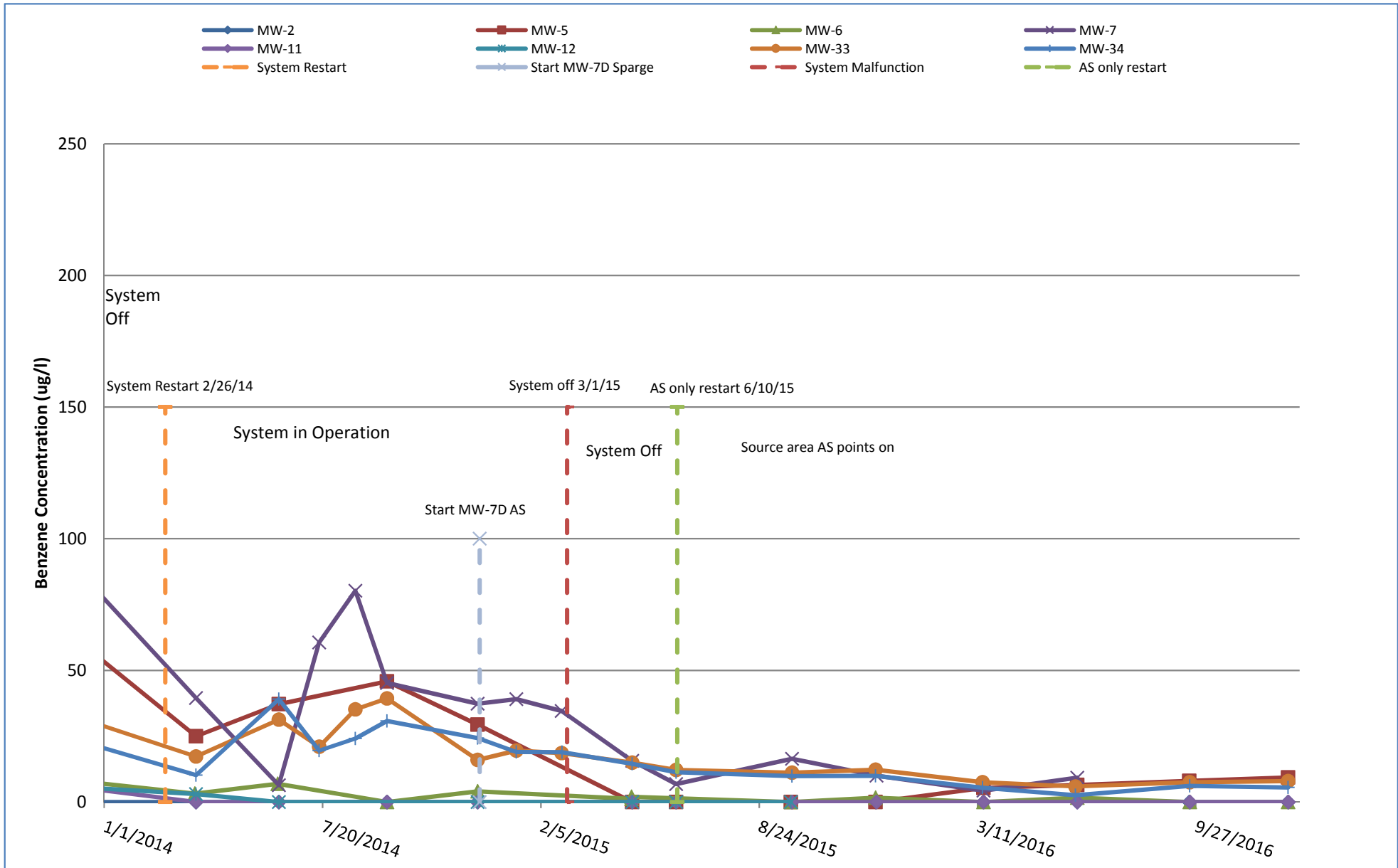


Chart 2
SVE Emissions Total Petroleum Hydrocarbon Vapor Concentration vs. Time
Logarithmic Scale to Show Low Concentrations
Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin

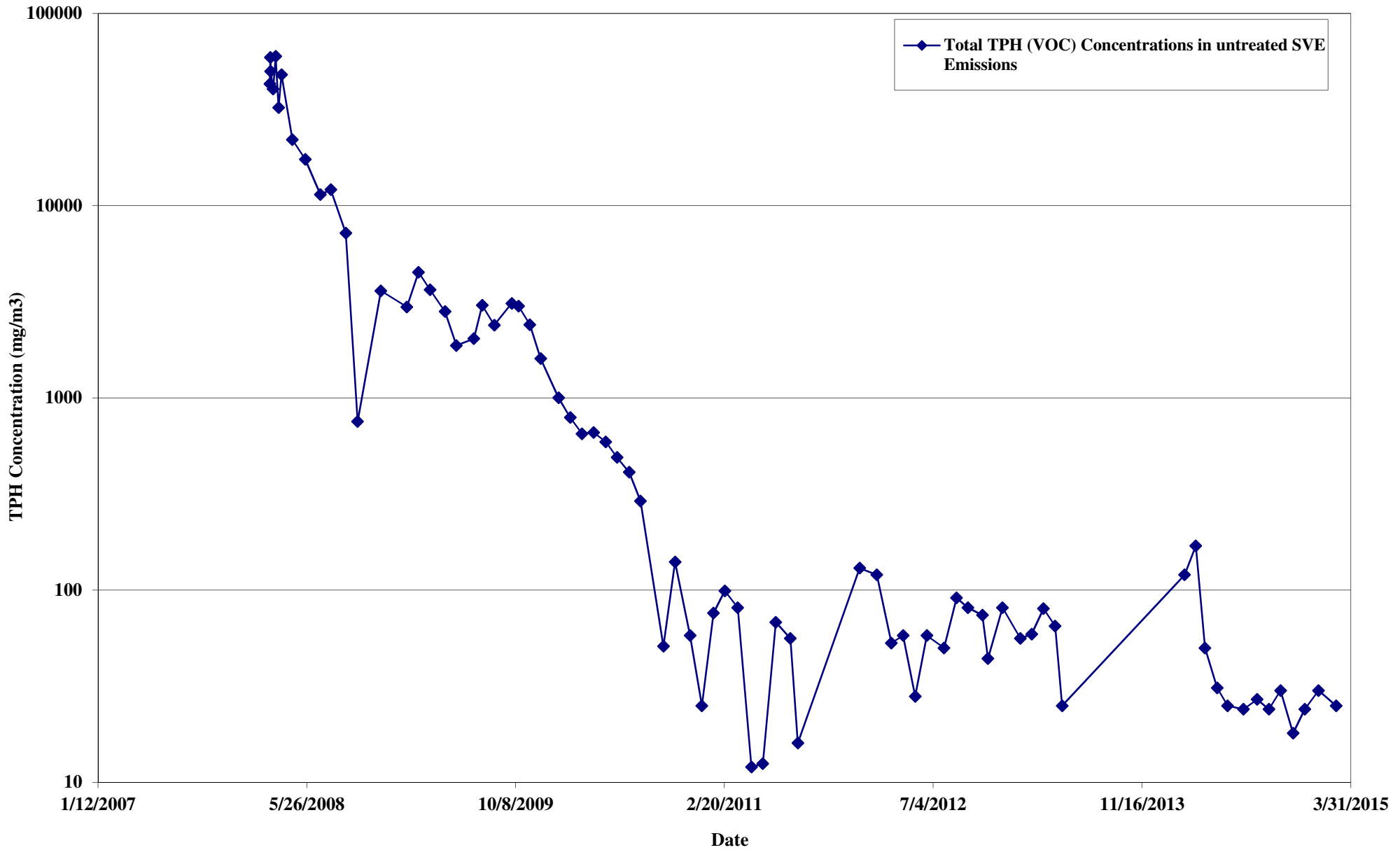


Chart 3
Cumulative Hydrocarbon Mass Removal by SVE/AS and Biodegradation
Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin

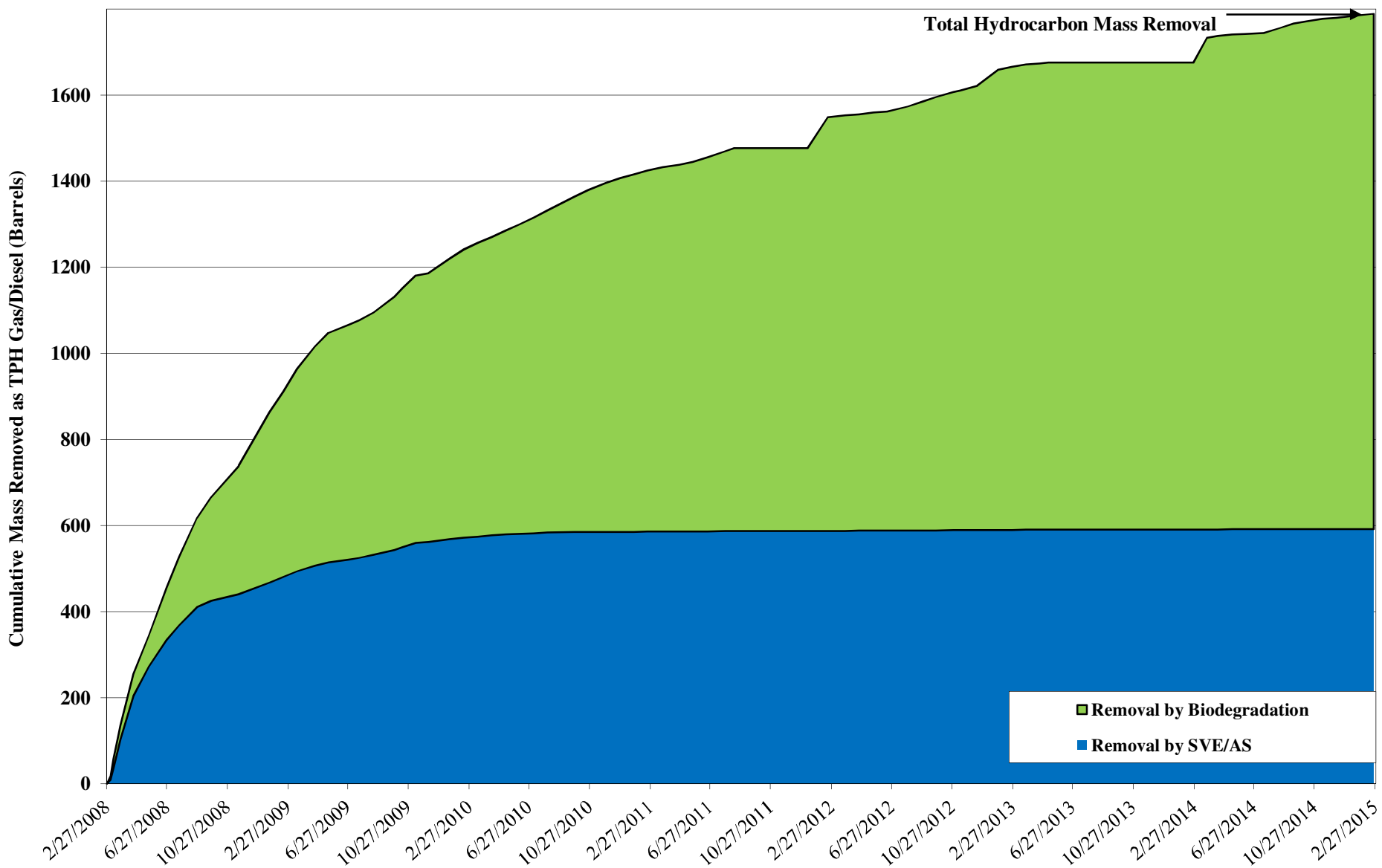


Chart 4
 Water and Product Level Hydrograph MW-7
 Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
 Rusk County, Wisconsin

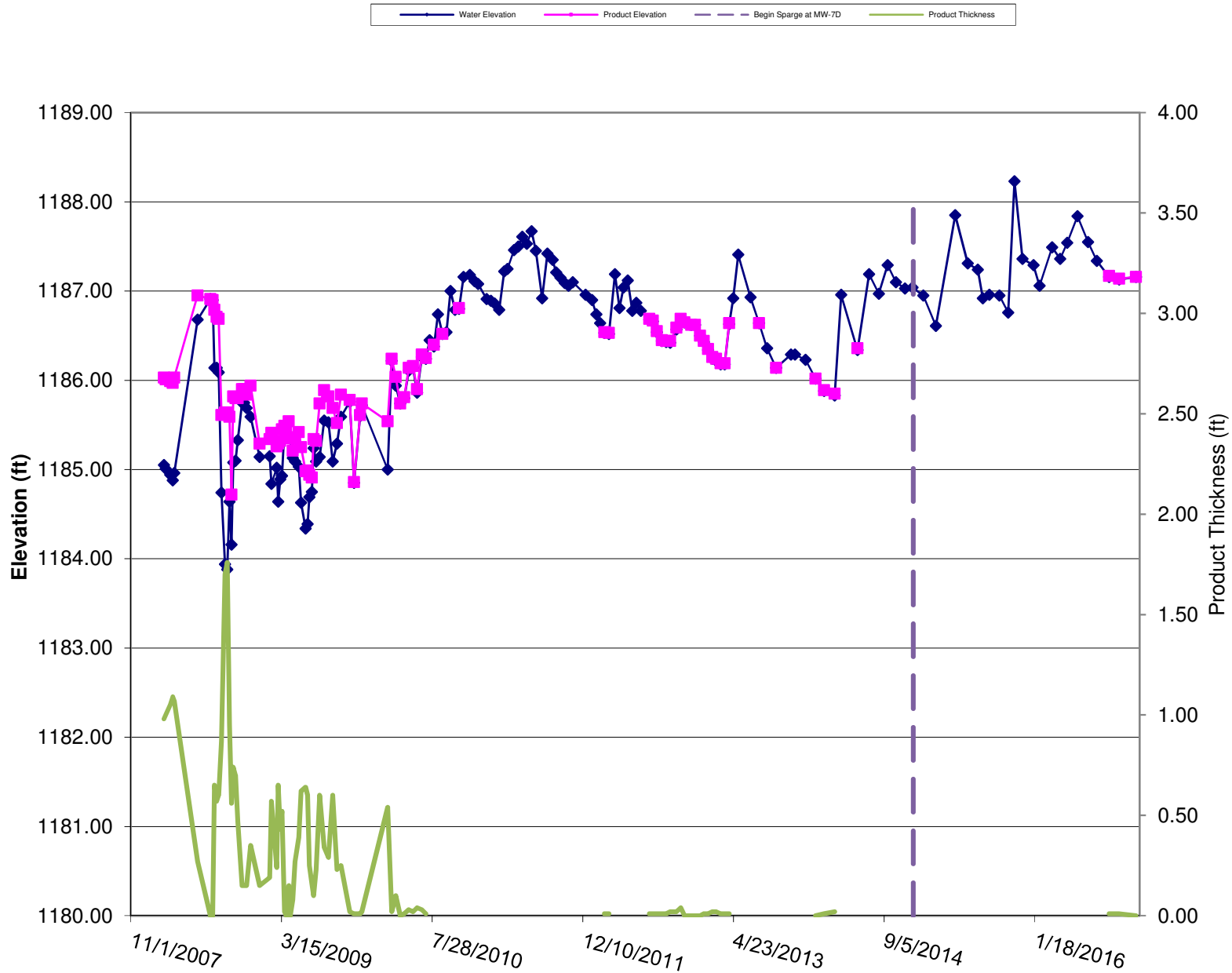


Chart 5
 Water and Product Level Hydrograph RW-1
 Enbridge Energy Limited Partnership - Line 14 MP 85 Crude Oil Release

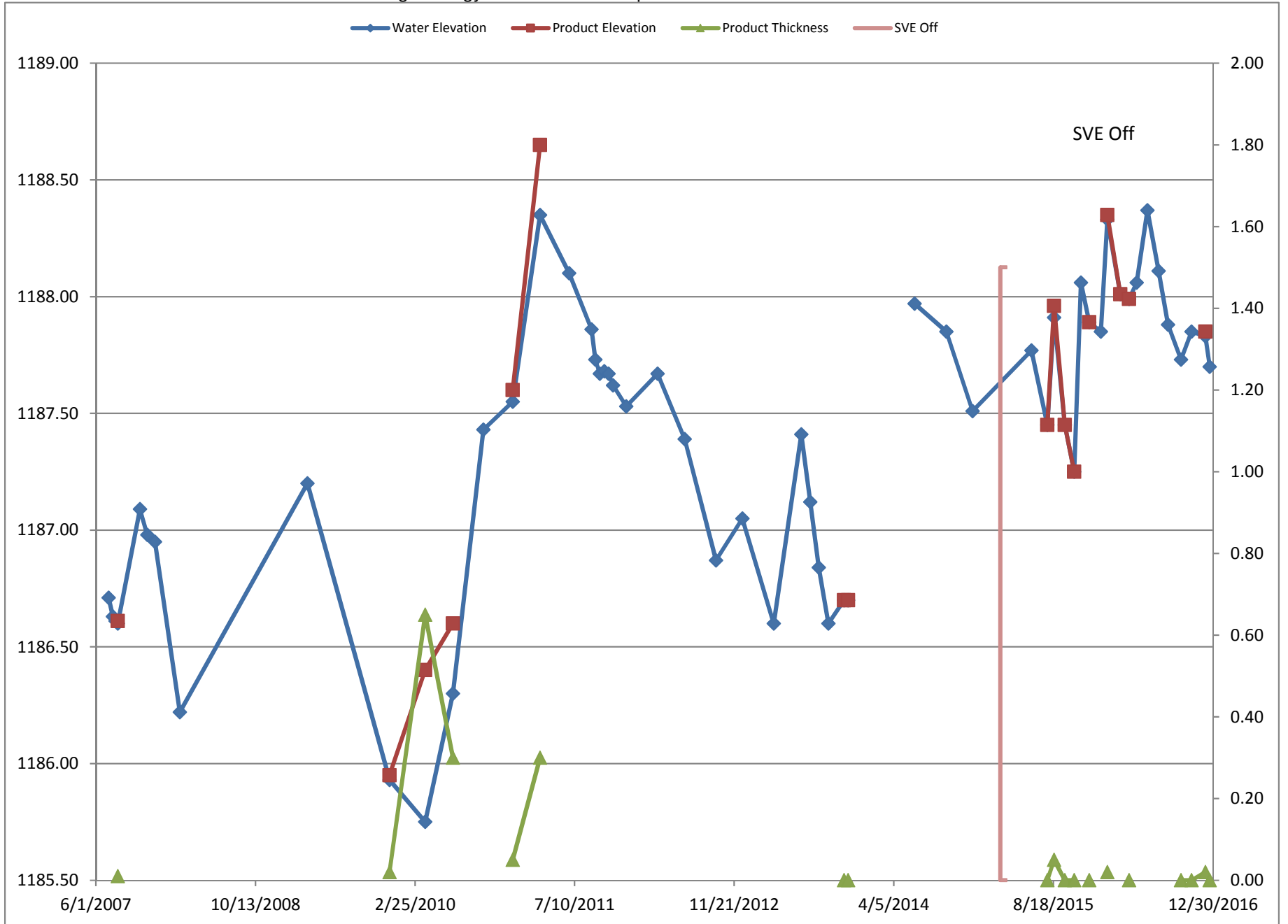
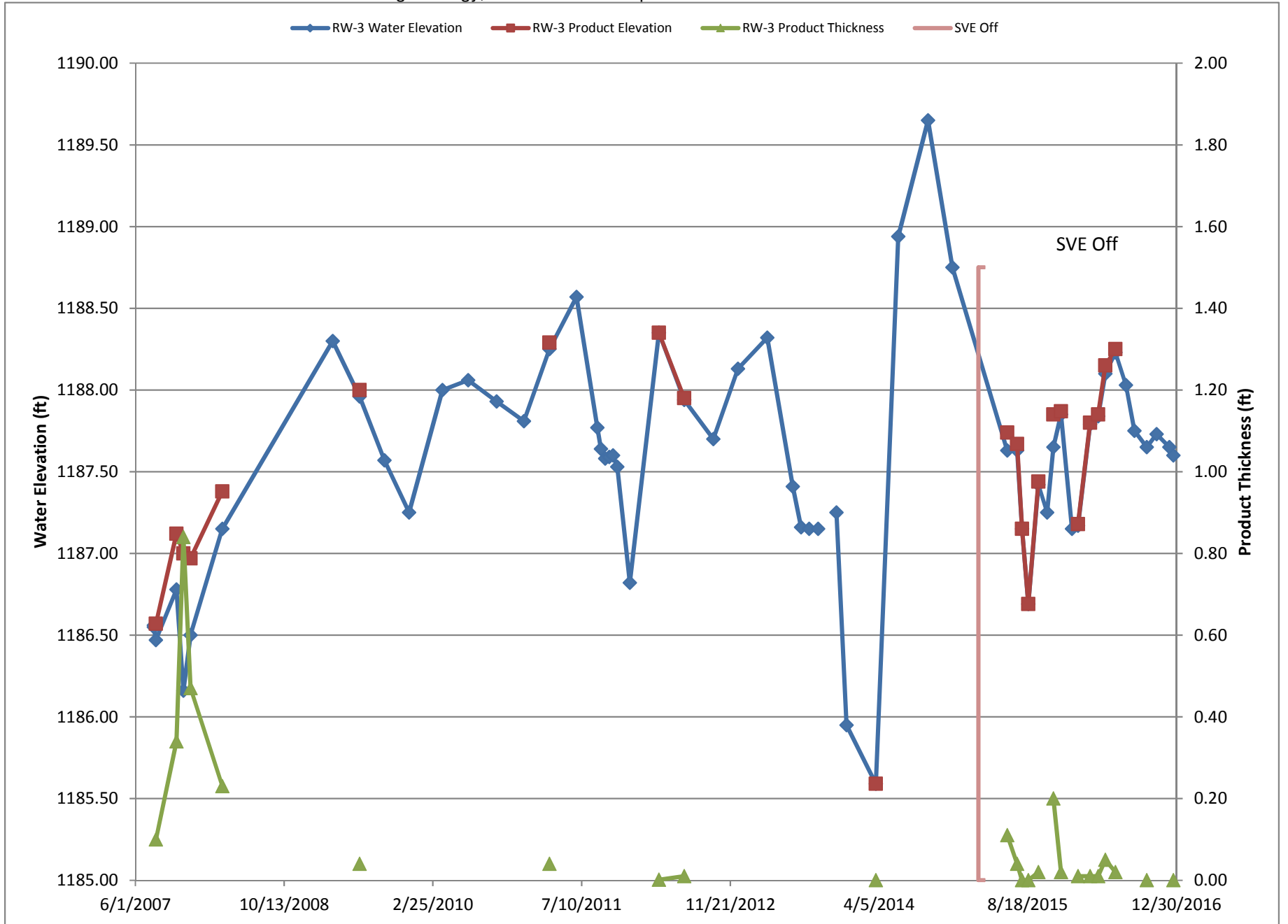


Chart 6
 Water and Product Level Hydrograph RW-3
 Enbridge Energy, Limited Partnership - Line 14 MP 85 Crude Oil Release



V. Tables

Table 1
Groundwater Analytical Data - TPH and PVOC
Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin
(concentrations in ug/L)

Location	Date	Diesel Range Organics	DRO Extended Range C10-C32	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Sum of trimethylbenzenes	Benzene	Ethyl benzene	Methyl tertiary butyl ether (MTBE)	Naphthalene	Toluene	Xylene m & p	Xylene o-	Xylenes total	
WI Public Health Groundwater Preventive Action Limit	Bold	--	--	c	c	96 c	0.5	140	12	8	200	(4)	(4)	1000	
WI Public Health Groundwater Enforcement Standards	<u>Underline</u>	--	--	c	c	480 c	5	700	60	40	1000	10000 (4)	10000 (4)	10000 (4)	
MW-1	3/24/2007	--	<500	<1.0	<1.0	ND	11	<1.0	<1.0	<5.0	10	2.1	<1.0	2.1	
MW-1	5/31/2007	--	<460	<1.0	<1.0	ND	2.2	<1.0	<5.0	--	<1.0	--	--	<3.0	
MW-1	8/9/2007	--	<460	<1.0	<1.0	ND	<1.0	<1.0	<5.0	--	<1.0	--	--	<3.0	
MW-1	12/5/2007	--	--	<1.0	<1.0	ND	6.7	<1.0	<5.0	<5.0	<1.0	--	--	<3.0	
MW-1	3/25/2008	--	--	<1.0	<1.0	ND	2.2	<1.0	<5.0	--	<1.0	--	--	<3.0	
MW-1	6/12/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0	
MW-2	3/24/2007	--	2900	82	26	108	2500	130	<1.0	--	22	1800	450	260	710
MW-2	5/31/2007	--	3800	290	88	378	9400	370	<100	--	7100	--	--	2200	
MW-2	8/10/2007	--	1100	150	48	198	2800	230	29	--	980	--	--	1200	
MW-2	12/5/2007	--	--	56	21	77	2600	240	<50	--	71	150	--	460	
MW-2	3/26/2008	--	--	36	<20	36	1000	56	<100	--	130	--	--	130	
MW-2	6/12/2008	--	--	160	56	216	2300	140	--	--	800	--	--	580	
MW-2	8/29/2008	--	--	69	30	99	800	120	--	--	120	--	--	190	
MW-2	12/3/2008	--	--	41	31	72	680	120	--	--	120	--	200		
MW-2	3/25/2009	--	--	11	6.5	17.5	110	31	--	--	33	--	--	49	
MW-2	6/24/2009	--	--	62	31	93	120	110	--	--	100	--	--	170	
MW-2	9/16/2009	--	--	--	34	--	140	40	--	--	83	--	--	90	
MW-2	3/30/2010	--	--	--	9.2	--	19	7.8	--	--	16	--	--	30	
MW-2	6/24/2010	--	--	--	46	--	32	100	--	--	3.1	--	--	130	
MW-2	9/27/2010	--	--	--	19.3	--	16	28	--	--	<1.0	--	--	9.3	
MW-2	12/27/2010	--	--	--	25.1	--	24	25	--	--	<1.0	--	--	17	
MW-2	3/24/2011	--	--	--	15.1	--	14	7.8	--	--	<1.0	--	--	<3.0	
MW-2	6/23/2011	--	--	--	153	--	61	130	--	--	<1.0	--	--	130	
MW-2	12/19/2011	--	--	--	79	--	72	86	--	--	<1.0	--	--	73	
MW-2	3/26/2012	--	--	--	37	--	41	49	--	--	<1.0	--	--	40	
MW-2	7/17/2012	--	--	--	99	--	27	110	--	--	<1.0	--	--	80	
MW-2	9/26/2012	--	--	--	84	--	39	85	--	--	<1.0	--	--	52	
MW-2	12/17/2012	--	--	--	42	--	32	57	--	--	<1.0	--	--	36	
MW-2	3/25/2013	--	--	--	31	--	21	42	--	--	<1.0	--	--	31	
MW-2	7/1/2013	--	--	--	301	--	7	184	--	--	<1.0	--	--	459	
MW-2	9/12/2013	--	--	--	106	--	6.4	84	--	--	<2.5	--	--	85.4	
MW-2	12/17/2013	--	--	--	50.1	--	<5.0	48.6	--	--	<5.0	--	--	33.1	
MW-2	3/26/2014	--	--	12.2	13.2	25.4	<5.0	45.5	--	--	<5.0	--	--	22.0	
MW-2	6/10/2014	--	--	250	70.6	320.6	<10.0	421	--	--	29.7	--	--	1970	
MW-2	9/17/2014	--	--	250	70.6	92.5	<10.0	83.8	--	--	<10.0	--	--	176	
MW-2	12/9/2014	--	--	250	70.6	49.8	<5.0	39.5	--	--	<5.0	--	--	41.6	
MW-2	4/29/2015	--	--	--	37	--	<5.0	55.4	--	--	<5.0	--	--	36.8	
MW-2	6/9/2015	--	--	--	105.1	--	<5.0	75.2	--	--	<5.0	--	--	71.6	
MW-2	9/23/2015	--	--	45.1	54.1	99.2	<5.0	84.3	--	--	<5.0	--	--	74.2	
MW-2	12/8/2015	--	--	112	55.8	167.8	<5.0	122	--	--	<5.0	--	--	395	
MW-2	3/16/2016	--	--	18.4	42.4	60.8	<1.0	38.0	--	--	<1.0	--	--	27.1	
MW-2	6/10/2016	--	--	35.7	28.2	63.9	<1.0	69.9	--	--	<1.0	--	--	57	
MW-2	9/21/2016	--	--	42.5	46.5	89	<1.0	67.8	--	--	<1.0	--	--	66	
MW-2	12/20/2016	--	--	16.9	31.9	48.8	<1.0	29.3	--	--	<1.0	--	--	28.8	
MW-3	3/22/2007	--	<500	<1.0	<1.0	ND	7.3	<1.0	<1.0	<5.0	5.8	<2.0	<1.0	ND	
MW-3	5/31/2007	--	<500	<1.0	<1.0	ND	<1.0	<1.0	<5.0	--	<1.0	--	--	<3.0	
MW-3	7/11/2007	--	<460	<1.0	<1.0	ND	17	1.3	<5.0	--	7.4	--	--	<3.0	
MW-3	8/9/2007	--	<460	<1.0	<1.0	ND	23	1.3	<5.0	--	6.1	--	--	<3.0	
MW-3	12/5/2007	--	--	<1.0	<1.0	ND	1.7	<1.0	<5.0	<5.0	<1.0	--	--	<3.0	
MW-3	3/25/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	<5.0	--	<1.0	--	--	<3.0	
MW-3	6/10/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0	
MW-3	8/28/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0	
MW-3	3/29/2010	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0	
MW-3	12/19/2011	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0	
MW-3	12/18/2012	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0	
MW-3	3/26/2013	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0	
MW-3	7/1/2013	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0	
MW-3	9/12/2013	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0	
MW-3	12/17/2013	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0	
MW-3	12/9/2014	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0	
MW-3	12/9/2015	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0	
MW-3	12/20/2016	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0	
MW-4	3/24/2007	--	<500	2.9	1.3	4.2	110	9.2	<1.0	<5.0	110	33	8.8	41.8	
MW-4	5/30/2007	--	<460	4.6	3.6	8.2	180	9.7	<5.0	--	130	--	--	41	
MW-4	8/10/2007	--	<460	<1.0	<1.0	ND	7.9	<1.0	<5.0	--	2.6	--	--	<3.0	
MW-4	12/5/2007	--	--	<1.0	<1.0	ND	1.1	<1.0	<5.0	<5.0	<1.0	--	--	<3.0	
MW-4	3/24/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	<5.0	--	<1.0	--	--	<3.0	
MW-4	6/10/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0	
MW-4	8/28/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0	
MW-4	3/29/2010	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0	
MW-4	3/26/2013	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0	
MW-4	7/1/2013	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0	
MW-4	9/12/2013	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0	
MW-4	12/17/2013	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0	
MW-4	12/9/2014	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0	
MW-4	12/9/2015	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0	
MW-4	12/20/2016	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0	
MW-5	3/22/2007	--	<500	<1.0	<1.0	ND	17	<1.0	<1.0	<5.0	1.5	<2.0	3.3	3.3	
MW-5	5/31/2007	--	940	160	55	215	8400	230	14	--	4500	--	--	1500	

Table 1
Groundwater Analytical Data - TPH and PVOC
Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin
(concentrations in ug/L)

Location	Date	Diesel Range Organics	DRO Extended Range C10-C32	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Sum of trimethylbenzenes	Benzene	Ethyl benzene	Methyl tertiary butyl ether (MTBE)	Naphthalene	Toluene	Xylene m & p	Xylene o-	Xylenes total
WI Public Health Groundwater Preventive Action Limit	Bold	--	--	c	c	96 c	0.5	140	12	8	200	(4)	(4)	1000
WI Public Health Groundwater Enforcement Standards	<u>Underline</u>	--	--	c	c	480 c	5	700	60	40	1000	10000 (4)	10000 (4)	10000 (4)
MW-5	7/11/2007	--	1500	160	50	210	9500	300	<250	--	5900	--	--	1800
MW-5	8/10/2007	--	1900	400	59	459	12000	310	<120	--	5600	--	--	1800
MW-5	12/6/2007	--	--	270	79	349	9300	390	<250	<250	<50	--	--	1900
MW-5	3/26/2008	--	--	280	85	365	9200	450	<250	--	<50	--	--	930
MW-5	6/12/2008	--	--	79	<50	79	3900	110	--	--	100	--	--	240
MW-5	8/29/2008	--	--	140	<50	140	4400	97	--	--	<50	--	--	370
MW-5	12/4/2008	--	--	210	86	296	4900	79	--	--	<50	--	--	450
MW-5	3/25/2009	--	--	86	38	124	2800	89	--	--	<20	--	--	230
MW-5	6/25/2009	--	--	170	70	240	3200	270	--	--	390	--	--	590
MW-5	9/16/2009	--	--			191	2600	240	--	--	56	--	--	290
MW-5	12/8/2009	--	--			82	1500	130	--	--	<20	--	--	130
MW-5	3/30/2010	--	--			16.6	520	55	--	--	<1.0	--	--	12
MW-5	6/24/2010	--	--			133	1100	250	--	--	15	--	--	280
MW-5	9/27/2010	--	--			44	470	110	--	--	5.7	--	--	46
MW-5	12/27/2010	--	--			45.7	510	110	--	--	8	--	--	28
MW-5	3/24/2011	--	--			50.2	380	110	--	--	6.2	--	--	15
MW-5	6/23/2011	--	--			41	410	93	--	--	2.7	--	--	57
MW-5	11/7/2011	--	--			138	630	210	--	--	9.6	--	--	260
MW-5	12/19/2011	--	--			213	600	250	--	--	<5	--	--	200
MW-5	3/26/2012	--	--			60.3	230	170	--	--	<1.0	--	--	16
MW-5	7/17/2012	--	--			68	160	170	--	--	1.6	--	--	57
MW-5	9/26/2012	--	--			42.7	110	110	--	--	<1.0	--	--	20
MW-5	12/17/2012	--	--			43.9	110	120	--	--	<1.0	--	--	8.6
MW-5	3/25/2013	--	--			47.9	97	120	--	--	<1.0	--	--	21
MW-5	7/1/2013	--	--			76	93.9	148	--	--	<1.0	--	--	241
MW-5	9/12/2013	--	--			228.9	156	260	--	--	2.3	--	--	613
MW-5	12/17/2013	--	--			121.9	58.3	179	--	--	<20	--	--	123
MW-5	3/26/2014	--	--	59.0	44.2	103.2	25.0	136	--	--	<20.0	--	--	110
MW-5	6/10/2014	--	--	46.9	43.1	90	37.2	144	--	--	<1.0	--	--	167
MW-5	9/17/2014	--	--	46.9	43.1	276.4	45.8	322	--	--	<5.0	--	--	789
MW-5	12/9/2014	--	--	46.9	43.1	166.1	29.4	251	--	--	<20.0	--	--	498
MW-5	4/29/2015	--	--			208.6	<20.0	241	--	--	<20.0	--	--	298
MW-5	6/9/2015	--	--			205	<20.0	274	--	--	<20.0	--	--	307
MW-5	9/22/2015	--	--	192	73.9	265.9	<20.0	244	--	--	<20.0	--	--	300
MW-5	12/8/2015	--	--	116	43.7	159.7	<20.0	167	--	--	<20.0	--	--	241
MW-5	3/16/2016	--	--	172	59.2	231.2	5.3	229	--	--	< 4.0	--	--	493
MW-5	6/10/2016	--	--	139	41.3	180.3	6.5	237	--	--	<4.0	--	--	539
MW-5	9/21/2016	--	--	232	71.1	303.1	8	274	--	--	<4.0	--	--	640
MW-5	12/20/2016	--	--	246	88.3	334.3	9.3	266	--	--	<4.0	--	--	692
MW-6	5/29/2007	--	<500	<1.0	<1.0	ND	<1.0	<1.0	<1.0	<5.0	<1.0	<2.0	<1.0	ND
MW-6	7/11/2007	--	<520	<1.0	<1.0	ND	<1.0	<1.0	<5.0	<1.0	<1.0	--	--	<3.0
MW-6	8/9/2007	--	<460	2.9	1.3	4.2	170	5.2	<5.0	--	84	--	--	30
MW-6	9/13/2007	--	<460	21	11	32	1300	37	5.1	--	31	--	--	210
MW-6	10/17/2007	--	<460	53	23	76	3000	85	<50	--	<10	--	--	480
MW-6	12/5/2007	--	--	42	13	55	2800	94	<50	<50	<10	--	--	370
MW-6	1/15/2008	--	--	40	16	56	6000	170	<50	<50	<10	--	--	500
MW-6	2/20/2008	--	--	<50	<50	ND	7300	240	<250	--	66	<50	--	480
MW-6	3/26/2008	--	--	<50	<50	ND	7800	200	<250	--	<50	--	--	490
MW-6	6/12/2008	--	--	<50	<50	ND	6200	81	--	--	<50	--	--	200
MW-6	8/29/2008	--	--	<50	<50	ND	5300	<50	--	--	<50	--	--	<150
MW-6	12/4/2008	--	--	<50	<50	ND	4600	<50	--	--	<50	--	--	<150
MW-6	3/25/2009	--	--	<10	<10	ND	1800	<10	--	--	<10	--	--	<30
MW-6	6/25/2009	--	--	<10	<10	ND	1600	11	--	--	<10	--	--	<30
MW-6	9/16/2009	--	--			ND	730	7.5	--	--	<5.0	--	--	<15
MW-6	12/7/2009	--	--			ND	310	2.2	--	--	<2.0	--	--	<6
MW-6	3/30/2010	--	--			1.4	34	<1.0	--	--	<1.0	--	--	<3.0
MW-6	6/24/2010	--	--			1.1	13	<1.0	--	--	<1.0	--	--	<3.0
MW-6	9/27/2010	--	--			ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-6	12/27/2010	--	--			ND	1.7	1.4	--	--	<1.0	--	--	<3.0
MW-6	3/24/2011	--	--			2.4	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-6	6/23/2011	--	--			1.1	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-6	8/15/2011	--	--			<1.0	55	<1.0	--	--	<1.0	--	--	<3.0
MW-6	9/1/2011	--	--			<1.0	110	<1.0	--	--	<1.0	--	--	<3.0
MW-6	9/13/2011	--	--			<1.0	130	<1.0	--	--	<1.0	--	--	<3.0
MW-6	9/27/2011	--	--			1.4	120	<1.0	--	--	<1.0	--	--	<3.0
MW-6	10/11/2011	--	--			<1.0	92	<1.0	--	--	<1.0	--	--	<3.0
MW-6	12/19/2011	--	--			<1.0	92	<1.0	--	--	<1.0	--	--	<3.0
MW-6	3/26/2012	--	--			<1.0	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-6	7/17/2012	--	--			<1.0	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-6	9/26/2012	--	--			<1.0	1.7	<1.0	--	--	<1.0	--	--	<3.0
MW-6	12/17/2012	--	--			<1.0	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-6	3/26/2013	--	--			<1.0	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-6	7/1/2013	--	--			<1.0	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-6	9/12/2013	--	--			<1.0	3.8	<1.0	--	--	<1.0	--	--	<3.0
MW-6	12/17/2013	--	--			<1.0	7.6	<1.0	--	--	<1.0	--	--	<3.0
MW-6	3/25/2014	--	--	<1.0	<1.0	ND	3.2	<1.0	--	--	<1.0	--	--	<3.0
MW-6	6/9/2014	--	--	<1.0	<1.0	ND	6.9	<1.0	--	--	<1.0	--	--	<3.0
MW-6	9/17/2014	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-6	12/9/2014	--	--	<1.0	<1.0	3.3	4.0	1.4	--	--	<1.0	--	--	6.4
MW-6	4/29/2015	--	--			ND	1.2	<1.0	--	--	< 1.0	--	--	<3.0
MW-6	4/29/2015	--	--			ND	2.0	<1.0	--	--	< 1.0	--	--	<3.0
MW-6	9/22/2015	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0

Table 1
Groundwater Analytical Data - TPH and PVOC
Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin
(concentrations in ug/L)

Location	Date	Diesel Range Organics	DRO Extended Range C10-C32	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Sum of trimethylbenzenes	Benzene	Ethyl benzene	Methyl tertiary butyl ether (MTBE)	Naphthalene	Toluene	Xylene m & p	Xylene o-	Xylenes total
WI Public Health Groundwater Preventive Action Limit	Bold	--	--	c	c	96 c	0.5	140	12	8	200	(4)	(4)	1000
WI Public Health Groundwater Enforcement Standards	<u>Underline</u>	--	--	c	c	480 c	5	700	60	40	1000	10000 (4)	10000 (4)	10000 (4)
MW-6	12/8/2015	--	--	<1.0	<1.0	ND	1.6	1.3	--	--	<1.0	--	--	<3.0
MW-6	3/16/2016	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-6	6/10/2016	--	--	1.3	<1.0	1.3	1.6	1.2	--	--	<1.0	--	--	3.8
MW-6	9/21/2016	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-6	12/20/2016	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-7	5/31/2007	--	750	61	24	85	4700	130	<1.0	19	2900	490	260	750
MW-7	7/11/2007	--	850	100	41	141	4600	180	<120	--	3100	--	--	1000
MW-7	8/10/2007	--	1100	93	30	123	3500	140	12	--	1800	--	--	750
MW-7	12/5/2007	--	--	51 <20	51	3800	200	<100	<100	--	88	--	--	570
MW-7	6/23/2011	--	--	51 <20	870	410	230	<100	--	--	160	--	--	790
MW-7	8/15/2011	--	--	51 <20	124	290	280	<100	--	--	28	--	--	270
MW-7	9/1/2011	--	--	51 <20	191	350	110	<100	--	--	30	--	--	330
MW-7	9/13/2011	--	--	51 <20	214	410	120	<100	--	--	35	--	--	380
MW-7	9/27/2011	--	--	51 <20	214	420	120	<100	--	--	25	--	--	370
MW-7	10/11/2011	--	--	51 <20	249	550	160	<100	--	--	19	--	--	470
MW-7	12/19/2011	--	--	51 <20	177	290	100	<100	--	--	<5	--	--	260
MW-7	3/27/2012	--	--	182	47	44	44	--	--	--	5.3	--	--	110
MW-7	7/1/2013	--	--	173.9	148	89.4	89.4	--	--	--	67.4	--	--	587
MW-7	9/13/2013	--	--	146.1	156	81.2	81.2	--	--	--	9.4	--	--	442
MW-7	12/18/2013	--	--	145.9	83.4	61.9	61.9	--	--	--	<1.0	--	--	238
MW-7	3/26/2014	--	--	59.3	22.9	82.2	39.5	22.0	--	--	<2.0	--	--	61.5
MW-7	6/10/2014	--	--	38.8	17.4	56.2	6.4	5.5	--	--	<2.0	--	--	41.9
MW-7	7/17/2014	--	--	87.5	23.7	111.2	60.6	59.1	--	--	13.8	--	--	399
MW-7	8/19/2014	--	--	87.5	23.7	137.6	80.2	78.1	--	--	28.1	--	--	513
MW-7	9/17/2014	--	--	87.5	23.7	83.1	45.2	59.8	--	--	2.3	--	--	303
MW-7	12/9/2014	--	--	87.5	23.7	85.4	37.3	70.0	--	--	<2.0	--	--	238
MW-7	1/13/2015	--	--	132.9	39.1	77.8	39.1	77.8	--	--	<1.0	--	--	242
MW-7	2/24/2015	--	--	123.3	34.6	67.9	34.6	67.9	--	--	<2.0	--	--	194
MW-7	4/29/2015	--	--	133.6	15.6	50.3	15.6	50.3	--	--	<2.0	--	--	126
MW-7	6/9/2015	--	--	48.6	6.8	25.0	6.8	25.0	--	--	<2.0	--	--	58.1
MW-7	9/23/2015	--	--	90.7	25.3	116	16.4	65.8	--	--	<2.0	--	--	133
MW-7	12/9/2015	--	--	56.1	15.2	71.3	10	39.3	--	--	<2.0	--	--	84.9
MW-7	3/16/2016	--	--	27	8.8	35.8	4.3	15.3	--	--	<2.0	--	--	40.8
MW-7	6/10/2016	--	--	33.7	7.5	41.2	9.2	45	--	--	<2.0	--	--	82
MW-7D	8/9/2007	--	<460	<1.0	<1.0	ND	<1.0	<1.0	<1.0	<5.0	<1.0	<2.0	<1.0	ND
MW-7D	12/4/2007	--	--	<1.0	<1.0	ND	<1.0	<1.0	<5.0	<5.0	<1.0	--	--	<3.0
MW-7D	3/24/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	<5.0	<5.0	<1.0	--	--	<3.0
MW-7D	6/11/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	<5.0	<5.0	<1.0	--	--	<3.0
MW-7D	8/28/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-7D	3/29/2010	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-7D	12/19/2011	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-7D	3/26/2014	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-7D	6/10/2014	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-8	5/30/2007	--	<500	<1.0	<1.0	ND	<1.0	<1.0	<1.0	<5.0	<1.0	<2.0	<1.0	ND
MW-8	8/9/2007	--	<500	<1.0	<1.0	ND	<1.0	<1.0	<5.0	--	<1.0	--	--	<3.0
MW-8	12/4/2007	--	--	<1.0	<1.0	ND	<1.0	<1.0	<5.0	<5.0	<1.0	--	--	<3.0
MW-8	3/25/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	<5.0	<5.0	<1.0	--	--	<3.0
MW-8	12/3/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-8	3/29/2010	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-8	7/1/2013	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-8	9/12/2013	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-8	12/17/2013	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-8	3/26/2014	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-8	6/10/2014	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-8	9/17/2014	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-8	12/9/2014	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-8	4/29/2015	--	--	ND	ND	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-8	6/9/2015	--	--	ND	ND	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-8	9/23/2015	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-8	12/9/2015	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-8	3/16/2016	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-8	6/10/2016	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-8	9/21/2016	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-8	12/20/2016	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-9	5/30/2007	--	<460	<1.0	<1.0	ND	<1.0	<1.0	<1.0	<5.0	<1.0	<2.0	<1.0	ND
MW-9	8/9/2007	--	<460	<1.0	<1.0	ND	<1.0	<1.0	<5.0	--	<1.0	--	--	<3.0
MW-9	12/4/2007	--	--	<1.0	<1.0	ND	<1.0	<1.0	<5.0	<5.0	<1.0	--	--	<3.0
MW-9	3/24/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	<5.0	--	<1.0	--	--	<3.0
MW-9	6/10/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-9	8/28/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-9	12/3/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-9	3/29/2010	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-9	7/1/2013	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-9	9/12/2013	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-9	12/17/2013	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-9	12/9/2014	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-9	12/9/2015	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-10	8/10/2007	--	<460	<1.0	<1.0	ND	<1.0	<1.0	<5.0	--	<1.0	--	--	<3.0

Table 1
Groundwater Analytical Data - TPH and PVOC
Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin
(concentrations in ug/L)

Location	Date	Diesel Range Organics	DRO Extended Range C10-C32	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Sum of trimethylbenzenes	Benzene	Ethyl benzene	Methyl tertiary butyl ether (MTBE)	Naphthalene	Toluene	Xylene m & p	Xylene o-	Xylenes total	
WI Public Health Groundwater Preventive Action Limit	Bold	--	--	c	c	96 c	0.5	140	12	8	200	(4)	(4)	1000	
WI Public Health Groundwater Enforcement Standards	<u>Underline</u>	--	--	c	c	480 g	5	700	60	40	1000	10000 (4)	10000 (4)	10000 (4)	
MW-10	12/4/2007	--	--	<1.0	<1.0	ND	<1.0	<1.0	<5.0	<5.0	<1.0	--	--	<3.0	
MW-10	3/24/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	<5.0	--	<1.0	--	--	<3.0	
MW-10	6/10/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0	
MW-11	8/10/2007	--	1700	210	59	269	6400	320	<120	--	4900	--	--	1800	
MW-11	6/24/2010	--	--	--	--	245	2300	260	--	--	450	--	--	1400	
MW-11	9/27/2010	--	--	--	--	188	2200	180	--	--	62	--	--	1000	
MW-11	12/27/2010	--	--	--	--	256	780	220	--	--	6.8	--	--	1000	
MW-11	3/24/2011	--	--	--	--	293	4000	270	--	--	120	--	--	1100	
MW-11	6/23/2011	--	--	--	--	271	750	260	--	--	37	--	--	1400	
MW-11	8/15/2011	--	--	--	--	251	650	280	--	--	150	--	--	1500	
MW-11	9/1/2011	--	--	--	--	290	520	330	--	--	71	--	--	1700	
MW-11	9/13/2011	--	--	--	--	369	390	330	--	--	96	--	--	1900	
MW-11	9/27/2011	--	--	51	<20	382	330	300	<100	--	29	--	--	1700	
MW-11	10/11/2011	--	--	--	--	420	300	310	--	--	12	--	--	1600	
MW-11	12/19/2011	--	--	--	--	378	150	230	--	--	6	--	--	1100	
MW-11	7/17/2012	--	--	--	--	390	140	220	--	--	17	--	--	1200	
MW-11	9/26/2012	--	--	--	--	347	110	170	--	--	2.1	--	--	700	
MW-11	12/18/2012	--	--	--	--	197	70	120	--	--	1.1	--	--	490	
MW-11	3/26/2013	--	--	--	--	267	93	180	--	--	2	--	--	770	
MW-11	7/1/2013	--	--	--	--	312.2	<10	375	--	--	<10	--	--	2140	
MW-11	9/13/2013	--	--	--	--	241.5	6.6	153	--	--	<4	--	--	752	
MW-11	12/18/2013	--	--	--	--	321.9	5.1	171	--	--	5.5	--	--	1100	
MW-11	3/26/2014	--	--	182	56.6	238.6	<4.0	138	--	--	7.3	--	--	857	
MW-11	6/10/2014	--	--	204	51.8	255.8	<10.0	358	--	--	<10.0	--	--	2040	
MW-11	9/17/2014	--	--	204	51.8	289	<10.0	314	--	--	<10.0	--	--	1940	
MW-11	12/9/2014	--	--	204	51.8	274.7	<4.0	273	--	--	<4.0	--	--	1520	
MW-11	4/29/2015	--	--	--	--	285	<4.0	294	--	--	<4.0	--	--	1570	
MW-11	6/9/2015	--	--	--	--	357.7	<4.0	393	--	--	4.7	--	--	2100	
MW-11	9/23/2015	--	--	203	59.4	262.4	<4.0	221	--	--	<4.0	--	--	1180	
MW-11	12/9/2015	--	--	251	69.7	320.7	<4.0	226	--	--	6.7	--	--	1310	
MW-11	3/16/2016	--	--	198	59.4	257.4	<4.0	226	--	--	<4.0	--	--	1300	
MW-11	6/10/2016	--	--	127	23.7	150.7	<4.0	280	--	--	<4.0	--	--	1170	
MW-11	9/21/2016	--	--	225	63	288	<4.0	212	--	--	<4.0	--	--	1110	
MW-11	12/20/2016	--	--	169	58.2	227.2	<4.0	71.6	--	--	<4.0	--	--	850	
MW-12	8/10/2007	--	530	91	29	120	3600	130	<1.0	--	22	1600	960	430	1390
MW-12	9/13/2007	--	<460	120	41	161	3700	200	<120	--	300	--	--	970	
MW-12	10/17/2007	--	480	150	44	194	4400	230	<50	--	500	--	--	1200	
MW-12	12/6/2007	--	--	79	22	101	2400	150	<100	<100	230	--	--	610	
MW-12	3/26/2008	--	--	23	<20	23	1400	68	<100	--	170	--	--	170	
MW-12	6/12/2008	--	--	10	3.7	13.7	230	14	--	--	87	--	--	48	
MW-12	8/29/2008	--	--	150	45	195	2200	150	--	--	710	--	--	480	
MW-12	12/4/2008	--	--	220	69	289	2300	220	--	--	850	--	--	730	
MW-12	12/7/2009	--	--	220	69	165	310	83	--	--	250	--	--	450	
MW-12	3/30/2010	--	--	220	69	19.1	19	7.3	--	--	3.3	--	--	38	
MW-12	6/24/2010	--	--	220	69	9.9	3.8	2.0	--	--	<1.0	--	--	19	
MW-12	9/27/2010	--	--	220	69	74	18	12	--	--	2.8	--	--	120	
MW-12	12/27/2010	--	--	220	69	81	19	13	--	--	<1.0	--	--	91	
MW-12	3/24/2011	--	--	220	69	28.3	4.8	3.9	--	--	<1.0	--	--	27	
MW-12	6/23/2011	--	--	220	69	17.3	6.2	2.0	--	--	<1.0	--	--	20	
MW-12	8/15/2011	--	--	220	69	50	30	6.9	--	--	<1.0	--	--	46	
MW-12	9/1/2011	--	--	220	69	69	39	8.3	--	--	<1.0	--	--	62	
MW-12	9/13/2011	--	--	220	69	111	54	13.0	--	--	<1.0	--	--	88	
MW-12	9/27/2011	--	--	220	69	125	55	14.0	--	--	<1.0	--	--	93	
MW-12	10/11/2011	--	--	220	69	97	48	12.0	--	--	<1.0	--	--	77	
MW-12	12/19/2011	--	--	220	69	85	37	11.0	--	--	<1.0	--	--	56	
MW-12	3/26/2012	--	--	39	--	--	13	6.1	--	--	<1.0	--	--	26	
MW-12	7/17/2012	--	--	52	--	--	14	8.8	--	--	<1.0	--	--	30	
MW-12	9/26/2012	--	--	100	--	--	17	13.0	--	--	<1.0	--	--	53	
MW-12	12/17/2012	--	--	67	--	--	11	8.9	--	--	<1.0	--	--	35	
MW-12	9/12/2013	--	--	55.7	--	--	8	6.3	--	--	<1.0	--	--	20.9	
MW-12	12/17/2013	--	--	20	--	--	5.4	2.7	--	--	<1.0	--	--	6.5	
MW-12	3/26/2014	--	--	9.6	7.3	16.9	3.0	2.2	--	--	<1.0	--	--	6.2	
MW-12	6/10/2014	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0	
MW-12	12/9/2014	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0	
MW-12	4/29/2015	--	--	2.2	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0	
MW-12	6/9/2015	--	--	ND	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0	
MW-12	9/22/2015	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0	
Well Sealed due to cracked riser pipe															
MW-13	8/9/2007	--	<460	<1.0	<1.0	ND	<1.0	<1.0	<1.0	<5.0	<1.0	<2.0	<1.0	ND	
MW-13	9/13/2007	--	<460	<1.0	<1.0	ND	<1.0	<1.0	<5.0	--	<1.0	--	--	<3.0	
MW-13	10/17/2007	--	<460	<1.0	<1.0	ND	<1.0	<1.0	<5.0	--	<1.0	--	--	<3.0	
MW-13	12/4/2007	--	--	<1.0	<1.0	ND	<1.0	<1.0	<5.0	<5.0	<1.0	--	--	<3.0	
MW-13	1/15/2008	--	--	<1.0	<1.0	ND	1.3	<1.0	<5.0	<5.0	<1.0	--	--	<3.0	
MW-13	2/20/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	<5.0	<5.0	<1.0	--	--	<3.0	
MW-13	3/25/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	<5.0	--	<1.0	--	--	<3.0	
MW-13	12/3/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0	
MW-13	3/29/2010	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0	
MW-13	12/19/2011	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0	
MW-13	3/26/2013	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0	
MW-13	7/1/2013	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0	

Table 1
Groundwater Analytical Data - TPH and PVOC
Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin
(concentrations in ug/L)

Location	Date	Diesel Range Organics	DRO Extended Range C10-C32	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Sum of trimethylbenzenes	Benzene	Ethylbenzene	Methyl tertiary butyl ether (MTBE)	Naphthalene	Toluene	Xylene m & p	Xylene o-	Xylenes total
WI Public Health Groundwater Preventive Action Limit	Bold	--	--	c	c	96 c	0.5	140	12	8	200	(4)	(4)	1000
WI Public Health Groundwater Enforcement Standards	<u>Underline</u>	--	--	c	c	480 c	5	700	60	40	1000	10000 (4)	10000 (4)	10000 (4)
MW-13	9/12/2013	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-13	12/17/2013	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-13	12/9/2014	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-13	12/8/2015	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-13	12/20/2016	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-14	8/9/2007	--	<460	<1.0	<1.0	ND	<1.0	<1.0	<1.0	<5.0	<1.0	<2.0	<1.0	ND
MW-14	9/13/2007	--	<460	<1.0	<1.0	ND	<1.0	<1.0	<1.0	<5.0	<1.0	--	--	<3.0
MW-14	10/17/2007	--	<460	<1.0	<1.0	ND	<1.0	<1.0	<5.0	--	<1.0	--	--	<3.0
MW-14	12/4/2007	--	--	<1.0	<1.0	ND	<1.0	<1.0	<5.0	<5.0	<1.0	--	--	<3.0
MW-14	1/15/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	<5.0	<5.0	<1.0	--	--	<3.0
MW-14	2/20/2008	--	--	<1.0	<1.0	ND	2	<1.0	<5.0	<5.0	<1.0	--	--	<3.0
MW-14	3/25/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	<5.0	--	<1.0	--	--	<3.0
MW-14	6/10/2008	--	--	<1.0	<1.0	ND	95	4.5	--	--	<1.0	--	--	18
MW-14	7/24/2008	--	--	<1.0	<1.0	ND	150	7.4	--	--	<1.0	--	--	41
MW-14	8/28/2008	--	--	1.3	<1.0	1.3	120	4.6	--	--	<1.0	--	--	32
MW-14	12/3/2008	--	--	<1.0	<1.0	ND	42	<1.0	--	--	<1.0	--	--	<3.0
MW-14	3/25/2009	--	--	1.1	<1.0	1.1	4.8	<1.0	--	--	<1.0	--	--	<3.0
MW-14	6/24/2009	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-14	9/16/2009	--	--	ND	<1.0	<1.0	ND	<1.0	--	--	<1.0	--	--	<3.0
MW-14	9/27/2010	--	--	ND	<1.0	<1.0	ND	<1.0	--	--	<1.0	--	--	<3.0
MW-14	12/27/2010	--	--	ND	<1.0	<1.0	ND	<1.0	--	--	<1.0	--	--	<3.0
MW-14	3/24/2011	--	--	ND	<1.0	<1.0	ND	<1.0	--	--	<1.0	--	--	<3.0
MW-14	6/23/2011	--	--	ND	<1.0	<1.0	ND	<1.0	--	--	<1.0	--	--	<3.0
MW-14	12/19/2011	--	--	ND	<1.0	<1.0	ND	<1.0	--	--	<1.0	--	--	<3.0
MW-14	3/26/2012	--	--	ND	<1.0	<1.0	ND	<1.0	--	--	<1.0	--	--	<3.0
MW-14	7/17/2012	--	--	ND	<1.0	<1.0	ND	<1.0	--	--	<1.0	--	--	<3.0
MW-14	9/26/2012	--	--	ND	<1.0	<1.0	ND	<1.0	--	--	<1.0	--	--	<3.0
MW-14	12/17/2012	--	--	ND	<1.0	<1.0	ND	<1.0	--	--	<1.0	--	--	<3.0
MW-14	3/26/2013	--	--	ND	<1.0	<1.0	ND	<1.0	--	--	<1.0	--	--	<3.0
MW-14	7/1/2013	--	--	ND	<1.0	<1.0	ND	<1.0	--	--	<1.0	--	--	<3.0
MW-14	9/12/2013	--	--	ND	<1.0	<1.0	ND	<1.0	--	--	<1.0	--	--	<3.0
MW-14	12/17/2013	--	--	ND	<1.0	<1.0	ND	<1.0	--	--	<1.0	--	--	<3.0
MW-14	3/26/2014	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-14	6/10/2014	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-14	9/17/2014	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-14	12/9/2014	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-14	4/29/2015	--	--	ND	<1.0	<1.0	ND	<1.0	--	--	<1.0	--	--	<3.0
MW-14	6/9/2015	--	--	ND	<1.0	<1.0	ND	<1.0	--	--	<1.0	--	--	<3.0
MW-14	9/23/2015	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-14	12/8/2015	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-14	3/16/2016	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-14	6/10/2016	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-14	9/21/2016	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-14	12/20/2016	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-15	10/18/2007	--	<460	<1.0	<1.0	ND	<1.0	<1.0	<1.0	<5.0	<1.0	<2.0	<1.0	ND
MW-15	12/4/2007	--	--	<1.0	<1.0	ND	<1.0	<1.0	<5.0	<5.0	<1.0	--	--	<3.0
MW-15	1/15/2008	--	--	<1.0	<1.0	ND	330	<1.0	<5.0	<5.0	<1.0	--	--	7.5
MW-15	2/20/2008	--	--	<1.0	<1.0	ND	1600	<1.0	<5.0	6.1	<1.0	--	--	<3.0
MW-15	3/12/2008	--	<460	<1.0	<1.0	ND	1800	<1.0	<5.0	<5.0	<1.0	--	--	<3.0
MW-15	3/20/2008	--	<460	11	<1.0	11	2200	<1.0	<5.0	<5.0	<1.0	--	--	<3.0
MW-15	3/26/2008	--	--	<1.0	<1.0	ND	2500	12	<5.0	--	<1.0	--	--	<3.0
MW-15	5/4/2008	--	--	<1.0	<1.0	ND	140	<1.0	--	--	<1.0	--	--	<3.0
MW-15	6/12/2008	--	--	<1.0	<1.0	ND	140	<1.0	--	--	<1.0	--	--	<3.0
MW-15	8/29/2008	--	--	3	<1.0	3	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-15	12/3/2008	--	--	1.5	<1.0	1.5	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-15	3/24/2009	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-15	5/19/2009	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-15	6/24/2009	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-15	9/16/2009	--	--	ND	<1.0	<1.0	ND	<1.0	--	--	<1.0	--	--	<3.0
MW-15	12/7/2009	--	--	ND	<1.0	<1.0	ND	<1.0	--	--	<1.0	--	--	<3.0
MW-15	3/29/2010	--	--	ND	<1.0	<1.0	ND	<1.0	--	--	<1.0	--	--	<3.0
MW-15	6/24/2010	--	--	ND	<1.0	<1.0	ND	<1.0	--	--	<1.0	--	--	<3.0
MW-15	9/27/2010	--	--	ND	<1.0	<1.0	2.5	<1.0	--	--	<1.0	--	--	<3.0
MW-15	12/27/2010	--	--	ND	<1.0	<1.0	ND	<1.0	--	--	<1.0	--	--	<3.0
MW-15	3/24/2011	--	--	ND	<1.0	<1.0	1.9	<1.0	--	--	<1.0	--	--	<3.0
MW-15	6/23/2011	--	--	ND	<1.0	<1.0	ND	<1.0	--	--	<1.0	--	--	<3.0
MW-15	8/15/2011	--	--	ND	<1.0	<1.0	ND	<1.0	--	--	<1.0	--	--	<3.0
MW-15	9/1/2011	--	--	ND	<1.0	<1.0	ND	<1.0	--	--	<1.0	--	--	<3.0
MW-15	9/13/2011	--	--	ND	<1.0	<1.0	ND	<1.0	--	--	<1.0	--	--	<3.0
MW-15	9/27/2011	--	--	ND	<1.0	<1.0	ND	<1.0	--	--	<1.0	--	--	<3.0
MW-15	10/11/2011	--	--	ND	<1.0	<1.0	ND	<1.0	--	--	<1.0	--	--	<3.0
MW-15	11/7/2011	--	--	ND	<1.0	<1.0	1.2	<1.0	--	--	<1.0	--	--	<3.0
MW-15	12/19/2011	--	--	ND	<1.0	<1.0	2.2	<1.0	--	--	<1.0	--	--	<3.0
MW-15	3/26/2012	--	--	ND	<1.0	<1.0	ND	<1.0	--	--	<1.0	--	--	<3.0
MW-15	7/17/2012	--	--	ND	<1.0	<1.0	ND	<1.0	--	--	<1.0	--	--	<3.0
MW-15	9/26/2012	--	--	ND	<1.0	<1.0	ND	<1.0	--	--	<1.0	--	--	<3.0
MW-15	12/17/2012	--	--	ND	<1.0	<1.0	ND	<1.0	--	--	<1.0	--	--	<3.0
MW-15	3/25/2013	--	--	ND	<1.0	<1.0	ND	<1.0	--	--	<1.0	--	--	<3.0
MW-15	7/1/2013	--	--	ND	<1.0	<1.0	ND	<1.0	--	--	<1.0	--	--	<3.0
MW-15	9/12/2013	--	--	ND	<1.0	<1.0	ND	<1.0	--	--	<1.0	--	--	<3.0
MW-15	12/17/2013	--	--	ND	<1.0	<1.0	ND	<1.0	--	--	<1.0	--	--	<3.0

Table 1
Groundwater Analytical Data - TPH and PVOC
Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin
(concentrations in ug/L)

Location	Date	Diesel Range Organics	DRO Extended Range C10-C32	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Sum of trimethylbenzenes	Benzene	Ethyl benzene	Methyl tertiary butyl ether (MTBE)	Naphthalene	Toluene	Xylene m & p	Xylene o	Xylenes total
WI Public Health Groundwater Preventive Action Limit	Bold	--	--	c	c	96 c	0.5	140	12	8	200	(4)	(4)	1000
WI Public Health Groundwater Enforcement Standards	<u>Underline</u>	--	--	c	c	480 c	5	700	60	40	1000	10000 (4)	10000 (4)	10000 (4)
MW-15	3/26/2014	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-15	6/9/2014	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-15	9/17/2014	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-15	12/8/2014	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-15	4/29/2015	--	--	--	--	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-15	6/9/2015	--	--	--	--	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-15	9/22/2015	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-15	12/8/2015	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-15	3/15/2016	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-15	6/8/2016	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-15	9/21/2016	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-15	12/20/2016	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-15D	3/25/2008	--	<460	<1.0	<1.0	ND	<1.0	<1.0	<5.0	<5.0	<1.0	--	--	<3.0
MW-15D	6/11/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-15D	8/28/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-15D	3/29/2010	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-15D	12/19/2011	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-15D	12/17/2013	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-15D	12/8/2014	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-15D	4/29/2015	--	--	--	--	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-15D	12/8/2015	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-15D	3/15/2016	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-15D	6/8/2016	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-15D	12/20/2016	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-16	10/18/2007	--	490	51	24	75	3100	76	<1.0	11	19	330	250	580
MW-16	12/6/2007	--	--	44	<20	44	2700	95	<100	<100	<20	--	--	460
MW-16	1/15/2008	--	--	43	<10	43	4200	160	<50	<50	<10	--	--	350
MW-16	2/20/2008	--	--	11	5.1	16.1	4900	180	<25	34	5.4	--	--	450
MW-16	3/12/2008	--	<500	35	<20	35	4300	70	<100	<100	<20	--	--	390
MW-16	3/20/2008	--	<460	<25	<25	ND	4300	53	<120	<120	<25	--	--	390
MW-16	3/26/2008	--	--	<20	<20	ND	3600	30	<100	--	<20	--	--	300
MW-16	5/4/2008	--	--	<5.0	<5.0	ND	2700	<5.0	--	--	<5.0	--	--	250
MW-16	6/12/2008	--	--	2.1	<1.0	2.1	1100	2.3	--	--	3.4	--	--	61
MW-16	8/29/2008	--	--	<10	<10	ND	2000	14	--	--	11	--	--	47
MW-16	12/4/2008	--	--	<20	<20	ND	2400	<20	--	--	<20	--	--	<60
MW-16	3/25/2009	--	--	1.8	<1.0	1.8	200	<1.0	--	--	<1.0	--	--	<3.0
MW-16	6/24/2009	--	--	1.2	1.2	2.4	43	<1.0	--	--	<1.0	--	--	<3.0
MW-16	9/16/2009	--	--	1.2	1.2	2.4	32	2.7	--	--	<1.0	--	--	<3.0
MW-16	12/7/2009	--	--	ND	ND	ND	3.1	<1.0	--	--	<1.0	--	--	<3.0
MW-16	3/30/2010	--	--	ND	ND	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-16	6/24/2010	--	--	ND	ND	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-16	9/27/2010	--	--	ND	ND	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-16	12/27/2010	--	--	ND	ND	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-16	3/24/2011	--	--	ND	ND	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-16	6/23/2011	--	--	ND	ND	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-16	8/15/2011	--	--	ND	ND	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-16	9/13/2011	--	--	ND	ND	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-16	10/11/2011	--	--	ND	ND	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-16	12/19/2011	--	--	ND	ND	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-16	3/26/2012	--	--	ND	ND	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-16	7/17/2012	--	--	ND	ND	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-16	9/26/2012	--	--	ND	ND	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-16	12/17/2012	--	--	ND	ND	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-16	3/25/2013	--	--	ND	ND	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-16	7/1/2013	--	--	ND	ND	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-16	9/12/2013	--	--	ND	ND	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-16	12/17/2013	--	--	ND	ND	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-16	3/25/2014	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-16	6/9/2014	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-16	9/17/2014	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-16	12/9/2014	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-16	4/29/2015	--	--	ND	ND	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-16	6/9/2015	--	--	ND	ND	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-16	9/22/2015	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-16	12/8/2015	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-16	3/15/2016	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-16	6/8/2016	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-16	9/21/2016	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-16	12/20/2016	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-17	10/18/2007	--	<460	<1.0	<1.0	ND	<1.0	<1.0	<5.0	<5.0	<1.0	<2.0	<1.0	ND
MW-17	12/4/2007	--	--	<1.0	<1.0	ND	27	1.1	<5.0	<5.0	<1.0	--	--	4.9
MW-17	1/15/2008	--	--	3.6	1.4	5	200	5.4	<5.0	<5.0	<1.0	--	--	33
MW-17	2/20/2008	--	--	2.9	1.6	4.5	760	14	<5.0	<5.0	<1.0	--	--	48
MW-17	3/11/2008	--	<460	1.7	<1.0	1.7	730	21	<5.0	<5.0	<1.0	--	--	50
MW-17	3/20/2008	--	<460	<5.0	<5.0	ND	420	13	<25	<25	<5.0	--	--	30
MW-17	3/26/2008	--	--	<1.0	<1.0	ND	29	1.1	<5.0	--	<1.0	--	--	<3.0
MW-17	4/9/2008	--	--	<1.0	<1.0	ND	950	2.1	--	--	<1.0	--	--	42
MW-17	4/24/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-17	5/4/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-17	6/12/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0

Table 1
Groundwater Analytical Data - TPH and PVOC
Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin
(concentrations in ug/L)

Location	Date	Diesel Range Organics	DRO Extended Range C10-C32	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Sum of trimethylbenzenes	Benzene	Ethyl benzene	Methyl tertiary butyl ether (MTBE)	Naphthalene	Toluene	Xylene m & p	Xylene o-	Xylenes total
WI Public Health Groundwater Preventive Action Limit	Bold	--	--	c	c	96 c	0.5	140	12	8	200	(4)	(4)	1000
WI Public Health Groundwater Enforcement Standards	<u>Underline</u>	--	--	c	c	480 c	5	700	60	40	1000	10000 (4)	10000 (4)	10000 (4)
MW-17	8/29/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-17	12/3/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-17	3/24/2009	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-17	5/19/2009	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-17	6/24/2009	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-17	9/16/2009	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-17	12/7/2009	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-17	3/30/2010	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-17	6/24/2010	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-17	9/27/2010	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-17	12/27/2010	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-17	8/15/2011	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-17	9/27/2011	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-17	10/11/2011	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-17	12/19/2011	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-17	3/25/2013	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-17	7/1/2013	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-17	9/12/2013	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-17	12/17/2013	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-17	12/8/2014	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-17	4/29/2015	--	--			ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-17	12/8/2015	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-17	3/15/2016	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-17	12/20/2016	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-18	11/1/2007	--	<460	<1.0	<1.0	ND	<1.0	<1.0	<5.0	--	<1.0	--	--	<3.0
MW-18	12/5/2007	--	--	<1.0	<1.0	ND	<1.0	<1.0	<5.0	<5.0	<1.0	--	--	<3.0
MW-18	3/24/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	<5.0	--	<1.0	--	--	<3.0
MW-18	12/3/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-18	3/24/2009	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-18	6/24/2009	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-18	9/16/2009	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-19	2/26/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	<5.0	<5.0	<1.0	--	--	<3.0
MW-19	3/11/2008	--	<460	<1.0	<1.0	ND	<1.0	<1.0	<5.0	<5.0	<1.0	--	--	<3.0
MW-19	3/20/2008	--	<460	<1.0	<1.0	ND	<1.0	<1.0	<5.0	<5.0	<1.0	--	--	<3.0
MW-19	3/24/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	<5.0	--	<1.0	--	--	<3.0
MW-19	4/9/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-19	4/24/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-19	5/3/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-19	6/11/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-19	8/28/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-20	2/29/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	<5.0	<5.0	<1.0	--	--	<3.0
MW-20	3/11/2008	--	<460	<1.0	<1.0	ND	<1.0	<1.0	<5.0	<5.0	<1.0	--	--	<3.0
MW-20	3/20/2008	--	<460	<1.0	<1.0	ND	<1.0	<1.0	<5.0	<5.0	<1.0	--	--	<3.0
MW-20	3/24/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	<5.0	--	<1.0	--	--	<3.0
MW-21	2/27/2008	--	--	<1.0	<1.0	ND	1.7	<1.0	<5.0	<5.0	<1.0	--	--	<3.0
MW-21	3/12/2008	--	<460	<1.0	<1.0	ND	10	<1.0	<5.0	<5.0	<1.0	--	--	<3.0
MW-21	3/20/2008	--	<460	<1.0	<1.0	ND	8.2	<1.0	<5.0	<5.0	<1.0	--	--	<3.0
MW-21	3/26/2008	--	--	<1.0	<1.0	ND	8	<1.0	<5.0	--	<1.0	--	--	<3.0
MW-21	6/12/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-21	8/29/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-21	12/3/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-21	8/15/2011	--	--	<1.0	<1.0	ND	4.3	<1.0	--	--	<1.0	--	--	<3.0
MW-21	9/13/2011	--	--	<1.0	<1.0	ND	1.2	<1.0	--	--	<1.0	--	--	<3.0
MW-21	9/27/2011	--	--	<1.0	<1.0	1.2	4	<1.0	--	--	<1.0	--	--	<3.0
MW-21	10/11/2011	--	--	<1.0	<1.0	ND	4	<1.0	--	--	<1.0	--	--	<3.0
MW-21	11/7/2011	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-21	12/19/2011	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-21	3/26/2012	--	--			ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-21	7/17/2012	--	--			ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-21	9/26/2012	--	--			ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-21	12/17/2012	--	--			ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-21	3/25/2013	--	--			ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-21	7/1/2013	--	--			ND	1.9	<1.0	--	--	<1.0	--	--	<3.0
MW-21	9/12/2013	--	--			ND	5	<1.0	--	--	<1.0	--	--	<3.0
MW-21	12/17/2013	--	--			ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-21	3/25/2014	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-21	6/9/2014	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-21	9/17/2014	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-21	12/8/2014	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-21	4/29/2015	--	--			ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-21	6/9/2015	--	--			ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-21	9/22/2015	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-21	12/8/2015	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-21	3/15/2016	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-21	6/8/2016	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-21	9/21/2016	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-21	12/20/2016	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-22	2/28/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	<5.0	<5.0	<1.0	--	--	<3.0

Table 1
Groundwater Analytical Data - TPH and PVOC
Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin
(concentrations in ug/L)

Location	Date	Diesel Range Organics	DRO Extended Range C10-C32	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Sum of trimethylbenzenes	Benzene	Ethyl benzene	Methyl tertiary butyl ether (MTBE)	Naphthalene	Toluene	Xylene m & p	Xylene o-	Xylenes total
WI Public Health Groundwater Preventive Action Limit	Bold	--	--	c	c	96 c	0.5	140	12	8	200	(4)	(4)	1000
WI Public Health Groundwater Enforcement Standards	<u>Underline</u>	--	--	c	c	480 c	5	700	60	40	1000	10000 (4)	10000 (4)	10000 (4)
MW-22	3/11/2008	--	<460	<1.0	<1.0	ND	<1.0	<1.0	<5.0	<5.0	<1.0	--	--	<3.0
MW-22	3/20/2008	--	<460	<1.0	<1.0	ND	<1.0	<1.0	<5.0	<5.0	<1.0	--	--	<3.0
MW-22	3/24/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	<5.0	--	<1.0	--	--	<3.0
MW-23	3/25/2008	--	<460	<1.0	<1.0	ND	<1.0	<1.0	<5.0	<5.0	<1.0	--	--	<3.0
MW-23	4/8/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-23	4/23/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-23	5/3/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-23	6/11/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-23	8/28/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-24	2/26/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	<5.0	<5.0	<1.0	--	--	<3.0
MW-24	3/11/2008	--	<460	<1.0	<1.0	ND	<1.0	<1.0	<5.0	<5.0	<1.0	--	--	<3.0
MW-24	3/19/2008	--	<460	<1.0	<1.0	ND	<1.0	<1.0	<5.0	<5.0	<1.0	--	--	<3.0
MW-24	3/24/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	<5.0	--	<1.0	--	--	<3.0
MW-24	4/8/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-24	4/23/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-24	5/3/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-24	6/11/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-24	8/28/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	1.1	--	<3.0
MW-24	12/3/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-24D	3/19/2008	--	<460	<1.0	<1.0	ND	<1.0	<1.0	<5.0	<5.0	<1.0	--	--	<3.0
MW-24D	3/24/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	<5.0	--	<1.0	--	--	<3.0
MW-24D	6/11/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-24D	8/28/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-25	2/26/2008	--	--	<1.0	<1.0	ND	41	1.2	<5.0	<5.0	<1.0	--	--	5.2
MW-25	3/12/2008	--	<500	1.3	<1.0	1.3	140	2.9	<5.0	<5.0	<1.0	--	--	17
MW-25	3/20/2008	--	<460	1.5	<1.0	1.5	120	3.1	<5.0	<5.0	<1.0	--	--	19
MW-25	3/26/2008	--	--	<1.0	<1.0	ND	93	2.4	<5.0	--	<1.0	--	--	14
MW-25	5/3/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-25	6/11/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-25	8/29/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-26	2/28/2008	<93	--	<1.0	<1.0	ND	26	<1.0	<5.0	<5.0	<1.0	--	--	<3.0
MW-26	3/12/2008	--	<460	<1.0	<1.0	ND	16	<1.0	<5.0	<5.0	<1.0	--	--	<3.0
MW-26	3/20/2008	--	<460	<1.0	<1.0	ND	27	<1.0	<5.0	<5.0	<1.0	--	--	<3.0
MW-26	3/26/2008	--	--	<1.0	<1.0	ND	67	<1.0	<5.0	--	<1.0	--	--	4.6
MW-26	5/4/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-26	6/12/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-26	8/29/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-26	12/3/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-26	3/24/2009	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-26	6/24/2009	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-26	9/16/2009	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-26	12/19/2011	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-26	12/16/2013	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-27	2/27/2008	--	--	3.6	<1.0	3.6	55	<1.0	<5.0	<5.0	<1.0	--	--	3.5
MW-27	3/12/2008	--	<460	<1.0	<1.0	ND	77	<1.0	<5.0	<5.0	<1.0	--	--	4.4
MW-27	3/20/2008	--	<460	<1.0	<1.0	ND	57	<1.0	<5.0	<5.0	<1.0	--	--	3.3
MW-27	3/26/2008	--	--	<1.0	<1.0	ND	40	<1.0	<5.0	--	<1.0	--	--	<3.0
MW-27	6/12/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-27	8/29/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-27	11/7/2011	--	--	<1.0	<1.0	ND	3.5	<1.0	--	--	<1.0	--	--	<3.0
MW-27	12/19/2011	--	--	<1.0	<1.0	ND	1.4	<1.0	--	--	<1.0	--	--	<3.0
MW-27	3/26/2012	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-27	7/17/2012	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-27	9/12/2013	--	--	<1.0	<1.0	ND	10.7	<1.0	--	--	<1.0	--	--	<3.0
MW-27	12/16/2013	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-28	3/25/2008	--	<460	<1.0	<1.0	ND	<1.0	<1.0	<5.0	<5.0	<1.0	--	--	<3.0
MW-28	4/8/2008	--	--	<1.0	<1.0	ND	2.2	<1.0	--	--	<1.0	--	--	<3.0
MW-28	4/23/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-28	5/3/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-28	6/11/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-28	8/28/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-28	12/19/2011	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-28	9/12/2013	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-28	12/16/2013	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-29	2/27/2008	--	--	<1.0	<1.0	ND	14	<1.0	<5.0	<5.0	<1.0	--	--	<3.0
MW-29	3/12/2008	--	<460	1.5	1.1	2.6	150	4	<5.0	<5.0	<1.0	--	--	23
MW-29	3/19/2008	--	<460	<1.0	<1.0	ND	2.7	<1.0	<5.0	--	<1.0	--	--	<3.0
MW-29	3/26/2008	--	--	<1.0	<1.0	ND	1.4	<1.0	<5.0	--	<1.0	--	--	<3.0
MW-29	4/9/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-29	4/24/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-29	5/3/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-29	6/11/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-29	8/29/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-29	12/19/2011	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-29	3/26/2012	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0

Table 1
Groundwater Analytical Data - TPH and PVOC
Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin
(concentrations in ug/L)

Location	Date	Diesel Range Organics	DRO Extended Range C10-C32	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Sum of trimethylbenzenes	Benzene	Ethylbenzene	Methyl tertiary butyl ether (MTBE)	Naphthalene	Toluene	Xylene m & p	Xylene o-	Xylenes total
WI Public Health Groundwater Preventive Action Limit	Bold	--	--	c	c	96 c	0.5	140	12	8	200	(4)	(4)	1000
WI Public Health Groundwater Enforcement Standards	<u>Underline</u>	--	--	c	c	480 c	5	700	60	40	1000	10000 (4)	10000 (4)	10000 (4)
MW-29	7/17/2012	--	--			ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-29	12/16/2013	--	--			ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-30	3/25/2008	--	<460	<1.0	<1.0	ND	<1.0	<1.0	<5.0	<5.0	<1.0	--	--	<3.0
MW-30	4/8/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-30	4/23/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-30	5/3/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-30	6/11/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-30	8/28/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-30	12/19/2011	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-30	12/16/2013	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-31	3/25/2008	--	<460	<1.0	<1.0	ND	<1.0	<1.0	<5.0	<5.0	<1.0	--	--	<3.0
MW-31	6/10/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-31	8/28/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-32	3/25/2008	--	<460	<1.0	<1.0	ND	<1.0	<1.0	<5.0	<5.0	<1.0	--	--	<3.0
MW-32	6/11/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-32	8/28/2008	--	--	<1.0	<1.0	ND	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-33	11/3/2008	--	--		64	19 83	<u>3900</u>	69	--	--	240	--	--	310
MW-33	12/4/2008	--	--		20 <20	20	<u>4600</u>	<20	--	--	<20	--	--	200
MW-33	3/25/2009	--	--		15 <10	15	<u>2200</u>	13	--	--	22	--	--	51
MW-33	6/25/2009	--	--		28 <20	28	<u>2500</u>	40	--	--	44	--	--	62
MW-33	9/16/2009	--	--			68	<u>2500</u>	73	--	--	53	--	--	91
MW-33	12/8/2009	--	--			31	<u>1900</u>	69	--	--	99	--	--	94
MW-33	3/30/2010	--	--			16.7	<u>900</u>	30	--	--	46	--	--	34
MW-33	6/24/2010	--	--			22	<u>890</u>	27	--	--	23	--	--	59
MW-33	9/27/2010	--	--			41	<u>1000</u>	61	--	--	7.7	--	--	40
MW-33	12/27/2010	--	--			67	<u>840</u>	70	--	--	21	--	--	59
MW-33	3/24/2011	--	--			15.3	<u>500</u>	59	--	--	<5.0	--	--	<15
MW-33	6/23/2011	--	--			20.9	<u>300</u>	44	--	--	<1.0	--	--	11
MW-33	12/19/2011	--	--			32	<u>130</u>	51	--	--	<1.0	--	--	21
MW-33	3/26/2012	--	--			34	<u>100</u>	53	--	--	<1.0	--	--	16
MW-33	7/17/2012	--	--			22.9	<u>50</u>	33	--	--	<1.0	--	--	7
MW-33	9/26/2012	--	--			27.7	<u>46</u>	49	--	--	<1.0	--	--	11
MW-33	12/18/2012	--	--			24.1	<u>38</u>	43	--	--	<1.0	--	--	11
MW-33	3/26/2013	--	--			20	<u>34</u>	39	--	--	<1.0	--	--	8.7
MW-33	7/1/2013	--	--			34.7	<u>32.9</u>	42.5	--	--	<1.0	--	--	14
MW-33	9/12/2013	--	--			78.7	<u>62.1</u>	92.7	--	--	<1.0	--	--	27.7
MW-33	12/18/2013	--	--			25.6	<u>30.7</u>	58.4	--	--	<1.0	--	--	5.2
MW-33	3/26/2014	--	--	1.4	15.9	17.3	<u>17.3</u>	40.6	--	--	<1.0	--	--	<3.0
MW-33	6/10/2014	--	--	2.8	32.1	34.9	<u>31.3</u>	73.9	--	--	<1.0	--	--	5.4
MW-33	7/17/2014	--	--	5.6	38.4	44	<u>21.0</u>	71.6	--	--	<1.0	--	--	13.3
MW-33	8/19/2014	--	--	5.6	38.4	62.2	<u>35.2</u>	93.5	--	--	<1.0	--	--	30.1
MW-33	9/17/2014	--	--	5.6	38.4	78.9	<u>39.3</u>	99.5	--	--	<1.0	--	--	24.7
MW-33	12/9/2014	--	--	5.6	38.4	41.6	<u>16.0</u>	74.5	--	--	<1.0	--	--	11.9
MW-33	1/13/2015	--	--			47.7	<u>19.5</u>	80.5	--	--	<0.50	--	--	10.7
MW-33	2/24/2015	--	--			33.7	<u>18.6</u>	64.4	--	--	<1.0	--	--	5.5
MW-33	4/29/2015	--	--			65.3	<u>14.2</u>	66.1	--	--	<1.0	--	--	43
MW-33	6/9/2015	--	--			56.9	<u>12.2</u>	65.3	--	--	<1.0	--	--	12
MW-33	9/23/2015	--	--	10	42.8	52.8	<u>11.1</u>	70.3	--	--	<1.0	--	--	12.5
MW-33	12/8/2015	--	--	11.2	48.3	59.5	<u>12.3</u>	72.7	--	--	<1.0	--	--	15.4
MW-33	3/15/2016	--	--	9.6	47.4	57	<u>7.5</u>	73.2	--	--	<1.0	--	--	14.7
MW-33	6/8/2016	--	--	6.2	41.6	47.8	<u>5.9</u>	12.1	--	--	<1.0	--	--	10.4
MW-33	9/21/2016	--	--	13.1	55.9	69	<u>7.5</u>	48.4	--	--	<1.0	--	--	20.7
MW-33	12/20/2016	--	--	10	50	60	<u>7.9</u>	30.9	--	--	<1.0	--	--	18
MW-34	11/3/2008	--	--		9.7	2.8 12.5	<u>1400</u>	13	--	--	26	--	--	79
MW-34	12/4/2008	--	--		14 <10	14	<u>2600</u>	13	--	--	18	--	--	110
MW-34	3/25/2009	--	--	<5.0	<5.0	ND	<u>1300</u>	5.4	--	--	<5.0	--	--	<15
MW-34	6/25/2009	--	--	<10		10	<u>1500</u>	38	--	--	<10	--	--	30
MW-34	9/16/2009	--	--	<10	10	29	<u>1300</u>	56	--	--	<5.0	--	--	45
MW-34	12/8/2009	--	--	<10	10	14	<u>900</u>	54	--	--	39	--	--	38
MW-34	3/30/2010	--	--	<10	10	9.4	<u>510</u>	21	--	--	6.6	--	--	13
MW-34	6/24/2010	--	--	<10	10	11.4	<u>560</u>	26	--	--	8.0	--	--	<15
MW-34	9/27/2010	--	--	<10	10	21	<u>530</u>	42	--	--	8.2	--	--	32
MW-34	12/27/2010	--	--	<10	10	31	<u>490</u>	52	--	--	6.0	--	--	47
MW-34	3/24/2011	--	--	<10	10	60	<u>790</u>	79	--	--	<5.0	--	--	23
MW-34	6/23/2011	--	--	<10	10	4.3	<1.0	<1.0	--	--	<1.0	--	--	<3.0
MW-34	8/15/2011	--	--	<10	10	13.6	<u>290</u>	40	--	--	<2.0	--	--	<6.0
MW-34	9/1/2011	--	--	<10	10	14.9	<u>270</u>	47	--	--	<1.0	--	--	3.7
MW-34	9/13/2011	--	--	<10	10	18.1	<u>240</u>	49	--	--	<1.0	--	--	5.7
MW-34	10/11/2011	--	--	<10	10	10.4	<u>160</u>	30	--	--	<1.0	--	--	3.3
MW-34	12/19/2011	--	--	<10	10	12.6	<u>110</u>	34	--	--	<1.0	--	--	8.5
MW-34	3/26/2012	--	--			8.7	<u>57</u>	26	--	--	<1.0	--	--	4.0
MW-34	7/17/2012	--	--			7.7	<u>50</u>	33	--	--	<1.0	--	--	7.0
MW-34	9/26/2012	--	--			9.6	<u>33</u>	28	--	--	<1.0	--	--	<3.0
MW-34	12/18/2012	--	--			6.6	<u>21</u>	19	--	--	<1.0	--	--	<3.0
MW-34	3/26/2013	--	--			4	<u>16</u>	16	--	--	<1.0	--	--	<3.0
MW-34	7/1/2013	--	--			21.7	<u>44.5</u>	42.5	--	--	<1.0	--	--	<3.0
MW-34	9/12/2013	--	--			19.1	<u>39.6</u>	39.7	--	--	<1.0	--	--	3.7
MW-34	12/18/2013	--	--			8.4	<u>22.1</u>	25.8	--	--	<1.0	--	--	<3.0

Table 1
Groundwater Analytical Data - TPH and PVOC
Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin
(concentrations in ug/L)

Location	Date	Diesel Range Organics	DRO Extended Range C10-C32	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Sum of trimethylbenzenes	Benzene	Ethyl benzene	Methyl tertiary butyl ether (MTBE)	Naphthalene	Toluene	Xylene m & p	Xylene o-	Xylenes total
WI Public Health Groundwater Preventive Action Limit	Bold	--	--	c	c	96 c	0.5	140	12	8	200	(4)	(4)	1000
WI Public Health Groundwater Enforcement Standards	<u>Underline</u>	--	--	c	c	480 c	5	700	60	40	1000	10000 (4)	10000 (4)	10000 (4)
MW-34	3/26/2014	--	--	<1.0	3.9	3.9	10.2	16.9	--	--	<1.0	--	--	<3.0
MW-34	6/10/2014	--	--	<1.0	25.9	25.9	39.1	49.6	--	--	<1.0	--	--	<3.0
MW-34	7/17/2014	--	--	<1.0	19.6	19.6	19.5	41.3	--	--	<1.0	--	--	<3.0
MW-34	8/19/2014	--	--	<1.0	19.6	24.6	24.1	46.9	--	--	<1.0	--	--	7.0
MW-34	9/17/2014	--	--	<1.0	19.6	30.4	30.8	58.1	--	--	<1.0	--	--	5.2
MW-34	12/9/2014	--	--	<1.0	19.6	25.1	24.3	49.7	--	--	<1.0	--	--	4.3
MW-34	1/13/2015	--	--	--	--	25.6	19	51.1	--	3.8	<0.50	--	--	3.2
MW-34	2/24/2015	--	--	--	--	21.3	18.9	41.3	--	--	<1.0	--	--	4
MW-34	4/29/2015	--	--	--	--	27	14.5	30.2	--	--	<1.0	--	--	19.2
MW-34	6/9/2015	--	--	--	--	24.4	11.3	45.9	--	--	<1.0	--	--	3.4
MW-34	9/23/2015	--	--	3.6	29.9	33.5	9.8	48	--	--	<1.0	--	--	5.1
MW-34	12/8/2015	--	--	1.7	32.4	34.1	9.9	53.6	--	--	<1.0	--	--	6
MW-34	3/15/2016	--	--	3.3	26.4	29.7	5.4	43.9	--	--	< 1.0	--	--	5.3
MW-34	6/8/2016	--	--	<1.0	26.2	26.2	2.6	<1.0	--	--	<1.0	--	--	<3.0
MW-34	9/21/2016	--	--	5	36.6	41.6	6.1	42.7	--	--	<1.0	--	--	7
MW-34	12/20/2016	--	--	4.6	32.2	36.8	5.5	31.1	--	--	<1.0	--	--	8.2

-- No criteria/not analyzed.

ND Not detected.

(4) Xylene includes meta-, ortho-, and para-xylene combined. The preventive action limit has been set at a concentration that is intended to address taste and odor concerns associated with this substance.

c The listed criteria is for 1,2,4- and 1,3,5- Trimethylbenzenes combined.

Data qualification not included in this table

Table 2
 Ground Water Elevations/Product Thickness
 Enbridge Energy MP85
 Reichel Road, Town of Murry, Rusk County, Wisconsin
 WDNR BRRTS# 02-55-548746

Location	Date	Ground Surface Elevation	Top of Riser Elevation	Top of Screen Elevation	Bottom of Screen Elevation	Depth to Water (TOR)	Depth to Product	Product Thickness	Ground Water Elevation	Product Elevation
MW-1	3/24/2007	1226.68	1227.69	1190.69	1180.69	41.09			1186.60	
MW-1	4/2/2007	1226.68	1227.69	1190.69	1180.69	40.57			1187.12	
MW-1	4/17/2007	1226.68	1227.69	1190.69	1180.69	40.86			1186.83	
MW-1	5/29/2007	1226.68	1227.69	1190.69	1180.69	40.96			1186.73	
MW-1	6/12/2007	1226.68	1227.69	1190.69	1180.69	40.96			1186.73	
MW-1	6/21/2007	1226.68	1227.69	1190.69	1180.69	41.05			1186.64	
MW-1	7/2/2007	1226.68	1227.69	1190.69	1180.69	41.20			1186.49	
MW-1	7/11/2007	1226.68	1227.69	1190.69	1180.69	41.22			1186.47	
MW-1	7/24/2007	1226.68	1227.69	1190.69	1180.69	41.26			1186.43	
MW-1	8/2/2007	1226.68	1227.69	1190.69	1180.69	41.27			1186.42	
MW-1	8/9/2007	1226.68	1227.69	1190.69	1180.69	41.33			1186.36	
MW-1	10/17/2007	1226.68	1227.69	1190.69	1180.69	40.86			1186.83	
MW-1	11/9/2007	1226.68	1227.69	1190.69	1180.69	40.93			1186.76	
MW-1	12/3/2007	1226.68	1227.69	1190.69	1180.69	40.96			1186.73	
MW-1	1/14/2008	1226.68	1227.69	1190.69	1180.69	41.30			1186.39	
MW-1	2/19/2008	1226.68	1227.69	1190.69	1180.69	41.45			1186.24	
MW-1	03/24/2008	1226.68	1227.69	1190.69	1180.69	41.50			1186.19	
MW-1	04/01/2008	1226.68	1227.69	1190.69	1180.69	41.43			1186.26	
MW-1	06/10/2008	1226.68	1227.69	1190.69	1180.69	40.41			1187.28	
MW-1	Abandoned									
MW-2	3/24/2007	1225.61	1227.77	1191.77	1181.77	41.35			1186.42	
MW-2	4/2/2007	1225.61	1227.77	1191.77	1181.77	40.79			1186.98	
MW-2	4/17/2007	1225.61	1227.77	1191.77	1181.77	41.12			1186.65	
MW-2	5/29/2007	1225.61	1227.77	1191.77	1181.77	41.21			1186.56	
MW-2	6/12/2007	1225.61	1227.77	1191.77	1181.77	41.25			1186.52	
MW-2	6/21/2007	1225.61	1227.77	1191.77	1181.77	41.35			1186.42	
MW-2	7/2/2007	1225.61	1227.77	1191.77	1181.77	41.47			1186.30	
MW-2	7/11/2007	1225.61	1227.77	1191.77	1181.77	41.45			1186.32	
MW-2	7/24/2007	1225.61	1227.77	1191.77	1181.77	41.54			1186.23	
MW-2	8/2/2007	1225.61	1227.77	1191.77	1181.77	41.53			1186.24	
MW-2	8/9/2007	1225.61	1227.77	1191.77	1181.77	41.60			1186.17	
MW-2	10/17/2007	1225.61	1227.77	1191.77	1181.77	41.11			1186.66	
MW-2	11/9/2007	1225.61	1227.77	1191.77	1181.77	41.20			1186.57	
MW-2	12/3/2007	1225.61	1227.77	1191.77	1181.77	41.22			1186.55	
MW-2	1/14/2008	1225.61	1227.77	1191.77	1181.77	41.57			1186.20	
MW-2	2/19/2008	1225.61	1227.77	1191.77	1181.77	41.72			1186.05	
MW-2	03/19/2008	1225.61	1227.77	1191.77	1181.77	41.80			1185.97	
MW-2	03/24/2008	1225.61	1227.77	1191.77	1181.77	41.70			1186.07	
MW-2	04/01/2008	1225.61	1227.77	1191.77	1181.77	41.69			1186.08	
MW-2	06/10/2008	1225.61	1227.77	1191.77	1181.77	40.69			1187.08	
MW-2	08/28/2008	1225.61	1227.77	1191.77	1181.77	41.02			1186.75	
MW-2	12/03/2008	1225.61	1227.77	1191.77	1181.77	40.83			1186.94	
MW-2	03/25/2009	1225.61	1227.77	1191.77	1181.77	41.04			1186.73	
MW-2	03/31/2009	1225.61	1227.77	1191.77	1181.77	41.01			1186.76	
MW-2	04/08/2009	1225.61	1227.77	1191.77	1181.77	41.11			1186.66	
MW-2	04/13/2009	1225.61	1227.77	1191.77	1181.77	41.27			1186.50	
MW-2	05/12/2009	1225.61	1227.77	1191.77	1181.77	41.14			1186.63	
MW-2	05/19/2009	1225.61	1227.77	1191.77	1181.77	41.40			1186.37	
MW-2	6/3/2009	1225.61	1227.77	1191.77	1181.77	41.56			1186.21	
MW-2	6/10/2009	1225.61	1227.77	1191.77	1181.77	41.58			1186.19	
MW-2	6/16/2009	1225.61	1227.77	1191.77	1181.77	41.65			1186.12	
MW-2	6/24/2009	1225.61	1227.77	1191.77	1181.77	41.65			1186.12	
MW-2	6/30/2009	1225.61	1227.77	1191.77	1181.77	41.73			1186.04	
MW-2	7/8/2009	1225.61	1227.77	1191.77	1181.77	41.76			1186.01	
MW-2	7/20/2009	1225.61	1227.77	1191.77	1181.77	41.82			1185.95	
MW-2	8/4/2009	1225.61	1227.77	1191.77	1181.77	41.88			1185.89	
MW-2	8/18/2009	1225.61	1227.77	1191.77	1181.77	41.97			1185.80	
MW-2	9/1/2009	1225.61	1227.77	1191.77	1181.77	41.98			1185.79	
MW-2	9/15/2009	1225.61	1227.77	1191.77	1181.77	42.05			1185.72	
MW-2	9/29/2009	1225.61	1227.77	1191.77	1181.77	42.03			1185.74	
MW-2	10/15/2009	1225.61	1227.77	1191.77	1181.77	40.25	39.09	1.16	1187.52	1188.68
MW-2	10/28/2009	1225.61	1227.77	1191.77	1181.77	41.78	41.76	0.02	1185.99	1186.01
MW-2	11/11/2009	1225.61	1227.77	1191.77	1181.77	40.82			1186.95	
MW-2	12/1/2009	1225.61	1227.77	1191.77	1181.77	41.98			1185.79	
MW-2	12/7/2009	1225.61	1227.77	1191.77	1181.77	42.03	42.00	0.03	1185.74	1185.77
MW-2	12/22/2009	1225.61	1227.77	1191.77	1181.77	42.04			1185.73	
MW-2	1/5/2010	1225.61	1227.77	1191.77	1181.77	41.99			1185.78	
MW-2	1/19/2010	1225.61	1227.77	1191.77	1181.77	42.04			1185.73	
MW-2	2/3/2010	1225.61	1227.77	1191.77	1181.77	42.03			1185.74	
MW-2	2/16/2010	1225.61	1227.77	1191.77	1181.77	42.05			1185.72	
MW-2	3/3/2010	1225.61	1227.77	1191.77	1181.77	42.06			1185.71	
MW-2	3/16/2010	1225.61	1227.77	1191.77	1181.77	41.32			1186.45	
MW-2	3/30/2010	1225.61	1227.77	1191.77	1181.77	41.55			1186.22	
MW-2	4/13/2010	1225.61	1227.77	1191.77	1181.77	41.79			1185.98	
MW-2	4/27/2010	1225.61	1227.77	1191.77	1181.77	41.74			1186.03	
MW-2	5/12/2010	1225.61	1227.77	1191.77	1181.77	41.72			1186.05	
MW-2	5/26/2010	1225.61	1227.77	1191.77	1181.77	41.68			1186.09	
MW-2	6/8/2010	1225.61	1227.77	1191.77	1181.77	41.72			1186.05	
MW-2	6/24/2010	1225.61	1227.77	1191.77	1181.77	41.35			1186.42	
MW-2	7/7/2010	1225.61	1227.77	1191.77	1181.77	41.40			1186.37	
MW-2	7/20/2010	1225.61	1227.77	1191.77	1181.77	41.10			1186.67	

Table 2
Ground Water Elevations/Product Thickness
Enbridge Energy MP85
Reichel Road, Town of Murry, Rusk County, Wisconsin
WDNR BRRTS# 02-55-548746

Location	Date	Ground Surface Elevation	Top of Riser Elevation	Top of Screen Elevation	Bottom of Screen Elevation	Depth to Water (TOR)	Depth to Product	Product Thickness	Ground Water Elevation	Product Elevation
MW-2	8/3/2010	1225.61	1227.77	1191.77	1181.77	41.15			1186.62	
MW-2	8/16/2010	1225.61	1227.77	1191.77	1181.77	40.80			1186.97	
MW-2	8/31/2010	1225.61	1227.77	1191.77	1181.77	41.00			1186.77	
MW-2	9/14/2010	1225.61	1227.77	1191.77	1181.77	41.00			1186.77	
MW-2	9/27/2010	1225.61	1227.77	1191.77	1181.77	40.40			1187.37	
MW-2	10/12/2010	1225.61	1227.77	1191.77	1181.77	40.65			1187.12	
MW-2	10/25/2010	1225.61	1227.77	1191.77	1181.77	40.61			1187.16	
MW-2	11/9/2010	1225.61	1227.77	1191.77	1181.77	40.39			1187.38	
MW-2	11/30/2010	1225.61	1227.77	1191.77	1181.77	40.37			1187.40	
MW-2	12/16/2010	1225.61	1227.77	1191.77	1181.77	40.37			1187.40	
MW-2	12/28/2010	1225.61	1227.77	1191.77	1181.77	40.44			1187.33	
MW-2	1/25/2011	1225.61	1227.77	1191.77	1181.77	40.58			1187.19	
MW-2	2/8/2011	1225.61	1227.77	1191.77	1181.77	40.62			1187.15	
MW-2	2/21/2011	1225.61	1227.77	1191.77	1181.77	40.65			1187.12	
MW-2	3/8/2011	1225.61	1227.77	1191.77	1181.77	40.76			1187.01	
MW-2	3/24/2011	1225.61	1227.77	1191.77	1181.77	40.34			1187.43	
MW-2	4/4/2011	1225.61	1227.77	1191.77	1181.77	40.40			1187.37	
MW-2	4/26/2011	1225.61	1227.77	1191.77	1181.77	40.10			1187.67	
MW-2	5/10/2011	1225.61	1227.77	1191.77	1181.77	39.95			1187.82	
MW-2	5/23/2011	1225.61	1227.77	1191.77	1181.77	39.98			1187.79	
MW-2	6/7/2011	1225.61	1227.77	1191.77	1181.77	39.93			1187.84	
MW-2	6/23/2011	1225.61	1227.77	1191.77	1181.77	39.89			1187.88	
MW-2	7/7/2011	1225.61	1227.77	1191.77	1181.77	40.13			1187.64	
MW-2	7/28/2011	1225.61	1227.77	1191.77	1181.77	40.21			1187.56	
MW-2	8/15/2011	1225.61	1227.77	1191.77	1181.77	40.03			1187.74	
MW-2	10/11/2011	1225.61	1227.77	1191.77	1181.77	40.31			1187.46	
MW-2	10/24/2011	1225.61	1227.77	1191.77	1181.77	40.32			1187.45	
MW-2	11/7/2011	1225.61	1227.77	1191.77	1181.77	40.30			1187.47	
MW-2	12/19/2011	1225.61	1227.77	1191.77	1181.77	40.45			1187.32	
MW-2	1/10/2012	1225.61	1227.77	1191.77	1181.77	40.49			1187.28	
MW-2	1/24/2012	1225.61	1227.77	1191.77	1181.77	40.78			1186.99	
MW-2	2/6/2012	1225.61	1227.77	1191.77	1181.77	40.84			1186.93	
MW-2	2/20/2012	1225.61	1227.77	1191.77	1181.77	40.93			1186.84	
MW-2	3/6/2012	1225.61	1227.77	1191.77	1181.77	40.99			1186.78	
MW-2	3/26/2012	1225.61	1227.77	1191.77	1181.77	40.40			1187.37	
MW-2	4/10/2012	1225.61	1227.77	1191.77	1181.77	40.69			1187.08	
MW-2	4/23/2012	1225.61	1227.77	1191.77	1181.77	40.50			1187.27	
MW-2	5/7/2012	1225.61	1227.77	1191.77	1181.77	40.44			1187.33	
MW-2	5/22/2012	1225.61	1227.77	1191.77	1181.77	40.67			1187.10	
MW-2	6/5/2012	1225.61	1227.77	1191.77	1181.77	40.64			1187.13	
MW-2	6/20/2012	1225.61	1227.77	1191.77	1181.77	40.62			1187.15	
MW-2	7/18/2012	1225.61	1227.77	1191.77	1181.77	40.85			1186.92	
MW-2	7/30/2012	1225.61	1227.77	1191.77	1181.77	40.79			1186.98	
MW-2	8/12/2012	1225.61	1227.77	1191.77	1181.77	40.99			1186.78	
MW-2	8/29/2012	1225.61	1227.77	1191.77	1181.77	41.08			1186.69	
MW-2	9/12/2012	1225.61	1227.77	1191.77	1181.77	41.10			1186.67	
MW-2	9/25/2012	1225.61	1227.77	1191.77	1181.77	41.08			1186.69	
MW-2	10/16/2012	1225.61	1227.77	1191.77	1181.77	40.96			1186.81	
MW-2	10/30/2012	1225.61	1227.77	1191.77	1181.77	40.83			1186.94	
MW-2	11/12/2012	1225.61	1227.77	1191.77	1181.77	40.88			1186.89	
MW-2	12/4/2012	1225.61	1227.77	1191.77	1181.77	40.93			1186.84	
MW-2	12/17/2012	1225.61	1227.77	1191.77	1181.77	40.92			1186.85	
MW-2	1/2/2013	1225.61	1227.77	1191.77	1181.77	41.02			1186.75	
MW-2	1/15/2013	1225.61	1227.77	1191.77	1181.77	41.10			1186.67	
MW-2	1/29/2013	1225.61	1227.77	1191.77	1181.77	41.20			1186.57	
MW-2	2/12/2013	1225.61	1227.77	1191.77	1181.77	41.24			1186.53	
MW-2	2/25/2013	1225.61	1227.77	1191.77	1181.77	41.31			1186.46	
MW-2	3/12/2013	1225.61	1227.77	1191.77	1181.77	41.32			1186.45	
MW-2	3/25/2013	1225.61	1227.77	1191.77	1181.77	41.37			1186.40	
MW-2	4/9/2013	1225.61	1227.77	1191.77	1181.77	40.97			1186.80	
MW-2	4/22/2013	1225.61	1227.77	1191.77	1181.77	40.66			1187.11	
MW-2	5/9/2013	1225.61	1227.77	1191.77	1181.77	40.09			1187.68	
MW-2	6/19/2013	1225.61	1227.77	1191.77	1181.77	40.58			1187.19	
MW-2	7/17/2013	1225.61	1227.77	1191.77	1181.77	40.87			1186.90	
MW-2	8/13/2013	1225.61	1227.77	1191.77	1181.77	44.25			1183.52	
MW-2	9/12/2013	1225.61	1227.77	1191.77	1181.77	41.38			1186.39	
MW-2	10/31/2013	1225.61	1227.77	1191.77	1181.77	41.26			1186.51	
MW-2	11/13/2013	1225.61	1227.77	1191.77	1181.77	41.26			1186.51	
MW-2	12/17/2013	1225.61	1227.77	1191.77	1181.77	41.28			1186.49	
MW-2	1/21/2014	1225.61	1227.77	1191.77	1181.77	41.51			1186.26	
MW-2	2/18/2014	1225.61	1227.77	1191.77	1181.77	41.62			1186.15	
MW-2	3/25/2014	1225.61	1227.77	1191.77	1181.77	41.78			1185.99	
MW-2	4/16/2014	1225.61	1227.77	1191.77	1181.77	40.66			1187.11	
MW-2	6/9/2014	1225.61	1227.77	1191.77	1181.77	40.09			1187.68	
MW-2	7/17/2014	1225.61	1227.77	1191.77	1181.77	40.39			1187.38	
MW-2	8/19/2014	1225.61	1227.77	1191.77	1181.77	40.55			1187.22	
MW-2	9/17/2014	1225.61	1227.77	1191.77	1181.77	40.22			1187.55	
MW-2	10/14/2014	1225.61	1227.77	1191.77	1181.77	40.39			1187.38	
MW-2	11/13/2014	1225.61	1227.77	1191.77	1181.77	40.45			1187.32	
MW-2	12/8/2014	1225.61	1227.77	1191.77	1181.77	40.59			1187.18	
MW-2	1/13/2015	1225.61	1227.77	1191.77	1181.77	39.45			1188.32	
MW-2	2/24/2015	1225.61	1227.77	1191.77	1181.77	40.89			1186.88	
MW-2	4/29/2015	1225.61	1227.77	1191.77	1181.77	40.43			1187.34	
MW-2	6/10/2015	1225.61	1227.77	1191.77	1181.77	40.20			1187.57	

Table 2
Ground Water Elevations/Product Thickness
Enbridge Energy MP85
Reichel Road, Town of Murry, Rusk County, Wisconsin
WDNR BRRTS# 02-55-548746

Location	Date	Ground Surface Elevation	Top of Riser Elevation	Top of Screen Elevation	Bottom of Screen Elevation	Depth to Water (TOR)	Depth to Product	Product Thickness	Ground Water Elevation	Product Elevation
MW-2	7/13/2015	1225.61	1227.77	1191.77	1181.77	40.28			1187.49	
MW-2	7/30/2015	1225.61	1227.77	1191.77	1181.77	40.60			1187.17	
MW-2	8/20/2015	1225.61	1227.77	1191.77	1181.77	40.58			1187.19	
MW-2	9/23/2015	1225.61	1227.77	1191.77	1181.77	40.53			1187.24	
MW-2	10/22/2015	1225.61	1227.77	1191.77	1181.77	40.77			1187.00	
MW-2	11/12/2015	1225.61	1227.77	1191.77	1181.77	40.30			1187.47	
MW-2	12/8/2015	1225.61	1227.77	1191.77	1181.77	40.05			1187.72	
MW-2	1/14/2016	1225.61	1227.77	1191.77	1181.77	40.18			1187.59	
MW-2	2/3/2016	1225.61	1227.77	1191.77	1181.77	40.41			1187.36	
MW-2	3/16/2016	1225.61	1227.77	1191.77	1181.77	40.04			1187.73	
MW-2	4/11/2016	1225.61	1227.77	1191.77	1181.77	40.12			1187.65	
MW-2	5/5/2016	1225.61	1227.77	1191.77	1181.77	39.94			1187.83	
MW-2	6/8/2016	1225.61	1227.77	1191.77	1181.77	39.60			1188.17	
MW-2	7/13/2016	1225.61	1227.77	1191.77	1181.77	39.91			1187.86	
MW-2	8/11/2016	1225.61	1227.77	1191.77	1181.77	40.13			1187.64	
MW-2	9/21/2016	1225.61	1227.77	1191.77	1181.77	40.30			1187.47	
MW-2	10/24/2016	1225.61	1227.77	1191.77	1181.77	40.23			1187.54	
MW-2	12/6/2016	1225.61	1227.77	1191.77	1181.77	40.37			1187.40	
MW-2	12/20/2016	1225.61	1227.77	1191.77	1181.77	40.36			1187.41	
MW-3	3/24/2007	1224.58	1226.74	1189.74	1179.74	40.31			1186.43	
MW-3	4/2/2007	1224.58	1226.74	1189.74	1179.74	39.77			1186.97	
MW-3	4/17/2007	1224.58	1226.74	1189.74	1179.74	40.04			1186.70	
MW-3	5/29/2007	1224.58	1226.74	1189.74	1179.74	40.16			1186.58	
MW-3	6/12/2007	1224.58	1226.74	1189.74	1179.74	40.15			1186.59	
MW-3	6/21/2007	1224.58	1226.74	1189.74	1179.74	40.23			1186.51	
MW-3	7/2/2007	1224.58	1226.74	1189.74	1179.74	40.38			1186.36	
MW-3	7/11/2007	1224.58	1226.74	1189.74	1179.74	40.40			1186.34	
MW-3	7/24/2007	1224.58	1226.74	1189.74	1179.74	40.43			1186.31	
MW-3	8/2/2007	1224.58	1226.74	1189.74	1179.74	40.45			1186.29	
MW-3	8/9/2007	1224.58	1226.74	1189.74	1179.74	40.51			1186.23	
MW-3	10/17/2007	1224.58	1226.74	1189.74	1179.74	39.98			1186.76	
MW-3	11/9/2007	1224.58	1226.74	1189.74	1179.74	40.11			1186.63	
MW-3	12/3/2007	1224.58	1226.74	1189.74	1179.74	40.14			1186.60	
MW-3	1/14/2008	1224.58	1226.74	1189.74	1179.74	40.49			1186.25	
MW-3	2/19/2008	1224.58	1226.74	1189.74	1179.74	40.63			1186.11	
MW-3	03/11/2008	1224.58	1226.74	1189.74	1179.74	40.70			1186.04	
MW-3	03/19/2008	1224.58	1226.74	1189.74	1179.74	40.73			1186.01	
MW-3	03/24/2008	1224.58	1226.74	1189.74	1179.74	40.70			1186.04	
MW-3	04/01/2008	1224.58	1226.74	1189.74	1179.74	40.61			1186.13	
MW-3	06/10/2008	1224.58	1226.74	1189.74	1179.74	39.60			1187.14	
MW-3	08/28/2008	1224.58	1226.74	1189.74	1179.74	39.90			1186.84	
MW-3	12/03/2008	1224.58	1226.74	1189.74	1179.74	39.74			1187.00	
MW-3	03/25/2009	1224.58	1226.74	1189.74	1179.74	39.99			1186.75	
MW-3	03/31/2009	1224.58	1226.74	1189.74	1179.74	39.97			1186.77	
MW-3	04/08/2009	1224.58	1226.74	1189.74	1179.74	40.10			1186.64	
MW-3	04/13/2009	1224.58	1226.74	1189.74	1179.74	40.35			1186.39	
MW-3	05/12/2009	1224.58	1226.74	1189.74	1179.74	40.13			1186.61	
MW-3	05/19/2009	1224.58	1226.74	1189.74	1179.74	40.32			1186.42	
MW-3	6/3/2009	1224.58	1226.74	1189.74	1179.74	40.49			1186.25	
MW-3	6/10/2009	1224.58	1226.74	1189.74	1179.74	40.44			1186.30	
MW-3	6/16/2009	1224.58	1226.74	1189.74	1179.74	40.57			1186.17	
MW-3	6/24/2009	1224.58	1226.74	1189.74	1179.74	40.57			1186.17	
MW-3	6/30/2009	1224.58	1226.74	1189.74	1179.74	40.68			1186.06	
MW-3	7/8/2009	1224.58	1226.74	1189.74	1179.74	40.75			1185.99	
MW-3	07/20/2009	1224.58	1226.74	1189.74	1179.74	40.81			1185.93	
MW-3	08/04/2009	1224.58	1226.74	1189.74	1179.74	40.76			1185.98	
MW-3	8/18/2009	1224.58	1226.74	1189.74	1179.74	40.84			1185.90	
MW-3	9/1/2009	1224.58	1226.74	1189.74	1179.74	40.83			1185.91	
MW-3	9/15/2009	1224.58	1226.74	1189.74	1179.74	40.97			1185.77	
MW-3	9/29/2009	1224.58	1226.74	1189.74	1179.74	40.98			1185.76	
MW-3	10/28/2009	1224.58	1226.74	1189.74	1179.74	40.71			1186.03	
MW-3	11/11/2009	1224.58	1226.74	1189.74	1179.74	39.72			1187.02	
MW-3	12/1/2009	1224.58	1226.74	1189.74	1179.74	39.95			1186.79	
MW-3	12/7/2009	1224.58	1226.74	1189.74	1179.74	40.97			1185.77	
MW-3	12/22/2009	1224.58	1226.74	1189.74	1179.74	40.99			1185.75	
MW-3	1/5/2010	1224.58	1226.74	1189.74	1179.74	40.94			1185.80	
MW-3	1/19/2010	1224.58	1226.74	1189.74	1179.74	41.00			1185.74	
MW-3	2/3/2010	1224.58	1226.74	1189.74	1179.74	40.98			1185.76	
MW-3	2/16/2010	1224.58	1226.74	1189.74	1179.74	40.97			1185.77	
MW-3	3/3/2010	1224.58	1226.74	1189.74	1179.74	41.00			1185.74	
MW-3	3/16/2010	1224.58	1226.74	1189.74	1179.74	40.26			1186.48	
MW-3	3/29/2010	1224.58	1226.74	1189.74	1179.74	40.43			1186.31	
MW-3	4/13/2010	1224.58	1226.74	1189.74	1179.74	40.68			1186.06	
MW-3	4/27/2010	1224.58	1226.74	1189.74	1179.74	40.65			1186.09	
MW-3	5/12/2010	1224.58	1226.74	1189.74	1179.74	40.65			1186.09	
MW-3	5/26/2010	1224.58	1226.74	1189.74	1179.74	40.61			1186.13	
MW-3	6/8/2010	1224.58	1226.74	1189.74	1179.74	40.70			1186.04	
MW-3	6/24/2010	1224.58	1226.74	1189.74	1179.74	40.28			1186.46	
MW-3	7/7/2010	1224.58	1226.74	1189.74	1179.74	40.32			1186.42	
MW-3	7/20/2010	1224.58	1226.74	1189.74	1179.74	40.40			1186.34	
MW-3	8/3/2010	1224.58	1226.74	1189.74	1179.74	40.45			1186.29	
MW-3	8/16/2010	1224.58	1226.74	1189.74	1179.74	40.20			1186.54	

Table 2
Ground Water Elevations/Product Thickness
Enbridge Energy MP85
Reichel Road, Town of Murry, Rusk County, Wisconsin
WDNR BRRTS# 02-55-548746

Location	Date	Ground Surface Elevation	Top of Riser Elevation	Top of Screen Elevation	Bottom of Screen Elevation	Depth to Water (TOR)	Depth to Product	Product Thickness	Ground Water Elevation	Product Elevation
MW-3	8/31/2010	1224.58	1226.74	1189.74	1179.74	40.45			1186.29	
MW-3	9/14/2010	1224.58	1226.74	1189.74	1179.74	40.47			1186.27	
MW-3	9/27/2010	1224.58	1226.74	1189.74	1179.74	39.32			1187.42	
MW-3	10/12/2010	1224.58	1226.74	1189.74	1179.74	39.57			1187.17	
MW-3	10/25/2010	1224.58	1226.74	1189.74	1179.74	38.25			1188.49	
MW-3	11/9/2010	1224.58	1226.74	1189.74	1179.74	38.02			1188.72	
MW-3	11/30/2010	1224.58	1226.74	1189.74	1179.74	38.00			1188.74	
MW-3	12/16/2010	1224.58	1226.74	1189.74	1179.74	39.28			1187.46	
MW-3	12/28/2010	1224.58	1226.74	1189.74	1179.74	39.36			1187.38	
MW-3	1/25/2011	1224.58	1226.74	1189.74	1179.74	39.48			1187.26	
MW-3	2/8/2011	1224.58	1226.74	1189.74	1179.74	39.57			1187.17	
MW-3	2/21/2011	1224.58	1226.74	1189.74	1179.74	39.60			1187.14	
MW-3	3/8/2011	1224.58	1226.74	1189.74	1179.74	39.68			1187.06	
MW-3	3/24/2011	1224.58	1226.74	1189.74	1179.74	39.29			1187.45	
MW-3	4/4/2011	1224.58	1226.74	1189.74	1179.74	39.30			1187.44	
MW-3	5/10/2011	1224.58	1226.74	1189.74	1179.74	38.85			1187.89	
MW-3	5/23/2011	1224.58	1226.74	1189.74	1179.74	38.22			1188.52	
MW-3	6/7/2011	1224.58	1226.74	1189.74	1179.74	38.80			1187.94	
MW-3	6/23/2011	1224.58	1226.74	1189.74	1179.74	38.76			1187.98	
MW-3	7/7/2011	1224.58	1226.74	1189.74	1179.74	39.02			1187.72	
MW-3	7/28/2011	1224.58	1226.74	1189.74	1179.74	39.13			1187.61	
MW-3	8/15/2011	1224.58	1226.74	1189.74	1179.74	39.25			1187.49	
MW-3	10/11/2011	1224.58	1226.74	1189.74	1179.74	39.22			1187.52	
MW-3	12/19/2011	1224.58	1226.74	1189.74	1179.74	39.50			1187.24	
MW-3	1/10/2012	1224.58	1226.74	1189.74	1179.74	39.53			1187.21	
MW-3	1/24/2012	1224.58	1226.74	1189.74	1179.74	39.69			1187.05	
MW-3	2/6/2012	1224.58	1226.74	1189.74	1179.74	39.78			1186.96	
MW-3	2/20/2012	1224.58	1226.74	1189.74	1179.74	39.88			1186.86	
MW-3	3/6/2012	1224.58	1226.74	1189.74	1179.74	39.82			1186.92	
MW-3	3/26/2012	1224.58	1226.74	1189.74	1179.74	39.26			1187.48	
MW-3	4/10/2012	1224.58	1226.74	1189.74	1179.74	39.55			1187.19	
MW-3	4/23/2012	1224.58	1226.74	1189.74	1179.74	39.35			1187.39	
MW-3	5/7/2012	1224.58	1226.74	1189.74	1179.74	39.26			1187.48	
MW-3	5/22/2012	1224.58	1226.74	1189.74	1179.74	39.42			1187.32	
MW-3	6/5/2012	1224.58	1226.74	1189.74	1179.74	39.42			1187.32	
MW-3	6/19/2012	1224.58	1226.74	1189.74	1179.74	39.50			1187.24	
MW-3	7/18/2012	1224.58	1226.74	1189.74	1179.74	38.74			1188.00	
MW-3	7/30/2012	1224.58	1226.74	1189.74	1179.74	39.75			1186.99	
MW-3	8/12/2012	1224.58	1226.74	1189.74	1179.74	39.86			1186.88	
MW-3	8/29/2012	1224.58	1226.74	1189.74	1179.74	38.64			1188.10	
MW-3	9/12/2012	1224.58	1226.74	1189.74	1179.74	38.65			1188.09	
MW-3	9/25/2012	1224.58	1226.74	1189.74	1179.74	40.00			1186.74	
MW-3	10/16/2012	1224.58	1226.74	1189.74	1179.74	39.79			1186.95	
MW-3	10/30/2012	1224.58	1226.74	1189.74	1179.74	39.75			1186.99	
MW-3	11/12/2012	1224.58	1226.74	1189.74	1179.74	39.78			1186.96	
MW-3	12/4/2012	1224.58	1226.74	1189.74	1179.74	39.84			1186.90	
MW-3	12/17/2012	1224.58	1226.74	1189.74	1179.74	39.83			1186.91	
MW-3	1/2/2013	1224.58	1226.74	1189.74	1179.74	39.88			1186.86	
MW-3	1/15/2013	1224.58	1226.74	1189.74	1179.74	39.93			1186.81	
MW-3	1/29/2013	1224.58	1226.74	1189.74	1179.74	40.00			1186.74	
MW-3	2/12/2013	1224.58	1226.74	1189.74	1179.74	40.17			1186.57	
MW-3	2/25/2013	1224.58	1226.74	1189.74	1179.74	40.22			1186.52	
MW-3	3/25/2013	1224.58	1226.74	1189.74	1179.74	40.30			1186.44	
MW-3	4/9/2013	1224.58	1226.74	1189.74	1179.74	39.93			1186.81	
MW-3	4/22/2013	1224.58	1226.74	1189.74	1179.74	39.61			1187.13	
MW-3	5/9/2013	1224.58	1226.74	1189.74	1179.74	39.07			1187.67	
MW-3	6/19/2013	1224.58	1226.74	1189.74	1179.74	39.41			1187.33	
MW-3	7/17/2013	1224.58	1226.74	1189.74	1179.74	39.78			1186.96	
MW-3	9/12/2013	1224.58	1226.74	1189.74	1179.74	40.28			1186.46	
MW-3	10/31/2013	1224.58	1226.74	1189.74	1179.74	40.38			1186.36	
MW-3	11/13/2013	1224.58	1226.74	1189.74	1179.74	40.38			1186.36	
MW-3	12/17/2013	1224.58	1226.74	1189.74	1179.74	40.26			1186.48	
MW-3	2/18/2014	1224.58	1226.74	1189.74	1179.74	40.60			1186.14	
MW-3	3/25/2014	1224.58	1226.74	1189.74	1179.74	40.69			1186.05	
MW-3	4/16/2014	1224.58	1226.74	1189.74	1179.74	39.72			1187.02	
MW-3	6/9/2014	1224.58	1226.74	1189.74	1179.74	38.99			1187.75	
MW-3	7/17/2014	1224.58	1226.74	1189.74	1179.74	39.15			1187.59	
MW-3	8/19/2014	1224.58	1226.74	1189.74	1179.74	39.47			1187.27	
MW-3	9/17/2014	1224.58	1226.74	1189.74	1179.74	39.09			1187.65	
MW-3	10/14/2014	1224.58	1226.74	1189.74	1179.74	39.21			1187.53	
MW-3	11/13/2014	1224.58	1226.74	1189.74	1179.74	39.26			1187.48	
MW-3	12/8/2014	1224.58	1226.74	1189.74	1179.74	39.48			1187.26	
MW-3	1/13/2015	1224.58	1226.74	1189.74	1179.74	39.45			1187.29	
MW-3	2/24/2015	1224.58	1226.74	1189.74	1179.74	39.58			1187.16	
MW-3	4/29/2015	1224.58	1226.74	1189.74	1179.74	39.36			1187.38	
MW-3	6/10/2015	1224.58	1226.74	1189.74	1179.74	39.15			1187.59	
MW-3	7/13/2015	1224.58	1226.74	1189.74	1179.74	39.10			1187.64	
MW-3	7/30/2015	1224.58	1226.74	1189.74	1179.74	39.46			1187.28	
MW-3	8/20/2015	1224.58	1226.74	1189.74	1179.74	39.48			1187.26	
MW-3	9/23/2015	1224.58	1226.74	1189.74	1179.74	39.42			1187.32	
MW-3	10/22/2015	1224.58	1226.74	1189.74	1179.74	39.68			1187.06	
MW-3	11/12/2015	1224.58	1226.74	1189.74	1179.74	39.21			1187.53	
MW-3	12/8/2015	1224.58	1226.74	1189.74	1179.74	38.97			1187.77	
MW-3	1/14/2016	1224.58	1226.74	1189.74	1179.74	39.09			1187.65	

Table 2
 Ground Water Elevations/Product Thickness
 Enbridge Energy MP85
 Reichel Road, Town of Murry, Rusk County, Wisconsin
 WDNR BRRTS# 02-55-548746

Location	Date	Ground Surface Elevation	Top of Riser Elevation	Top of Screen Elevation	Bottom of Screen Elevation	Depth to Water (TOR)	Depth to Product	Product Thickness	Ground Water Elevation	Product Elevation
MW-3	2/3/2016	1224.58	1226.74	1189.74	1179.74	39.30			1187.44	
MW-3	3/15/2016	1224.58	1226.74	1189.74	1179.74	38.98			1187.76	
MW-3	4/11/2016	1224.58	1226.74	1189.74	1179.74	39.03			1187.71	
MW-3	5/5/2016	1224.58	1226.74	1189.74	1179.74	38.85			1187.89	
MW-3	6/8/2016	1224.58	1226.74	1189.74	1179.74	38.54			1188.20	
MW-3	7/13/2016	1224.58	1226.74	1189.74	1179.74	38.80			1187.94	
MW-3	8/11/2016	1224.58	1226.74	1189.74	1179.74	39.00			1187.74	
MW-3	9/21/2016	1224.58	1226.74	1189.74	1179.74	39.21			1187.53	
MW-3	10/24/2016	1224.58	1226.74	1189.74	1179.74	39.12			1187.62	
MW-3	12/6/2016	1224.58	1226.74	1189.74	1179.74	39.21			1187.53	
MW-3	12/20/2016	1224.58	1226.74	1189.74	1179.74	39.25			1187.49	

MW-4	3/24/2007	1222.86	1225.37	1188.37	1178.37	38.68			1186.69	
MW-4	4/2/2007	1222.86	1225.37	1188.37	1178.37	38.17			1187.20	
MW-4	4/17/2007	1222.86	1225.37	1188.37	1178.37	38.44			1186.93	
MW-4	5/29/2007	1222.86	1225.37	1188.37	1178.37	38.55			1186.82	
MW-4	6/12/2007	1222.86	1225.37	1188.37	1178.37	38.52			1186.85	
MW-4	6/21/2007	1222.86	1225.37	1188.37	1178.37	38.65			1186.72	
MW-4	7/2/2007	1222.86	1225.37	1188.37	1178.37	38.81			1186.56	
MW-4	7/11/2007	1222.86	1225.37	1188.37	1178.37	38.79			1186.58	
MW-4	7/24/2007	1222.86	1225.37	1188.37	1178.37	38.85			1186.52	
MW-4	8/2/2007	1222.86	1225.37	1188.37	1178.37	38.85			1186.52	
MW-4	8/9/2007	1222.86	1225.37	1188.37	1178.37	38.92			1186.45	
MW-4	10/17/2007	1222.86	1225.37	1188.37	1178.37	38.44			1186.93	
MW-4	11/9/2007	1222.86	1225.37	1188.37	1178.37	38.51			1186.86	
MW-4	12/3/2007	1222.86	1225.37	1188.37	1178.37	38.54			1186.83	
MW-4	1/14/2008	1222.86	1225.37	1188.37	1178.37	38.85			1186.52	
MW-4	2/19/2008	1222.86	1225.37	1188.37	1178.37	39.03			1186.34	
MW-4	03/24/2008	1222.86	1225.37	1188.37	1178.37	39.11			1186.26	
MW-4	04/01/2008	1222.86	1225.37	1188.37	1178.37	39.05			1186.32	
MW-4	06/10/2008	1222.86	1225.37	1188.37	1178.37	37.99			1187.38	
MW-4	08/28/2008	1222.86	1225.37	1188.37	1178.37	38.27			1187.10	
MW-4	12/03/2008	1222.86	1225.37	1188.37	1178.37	36.16			1189.21	
MW-4	03/25/2009	1222.86	1225.37	1188.37	1178.37	38.41			1186.96	
MW-4	06/24/2009	1222.86	1225.37	1188.37	1178.37	38.96			1186.41	
MW-4	09/15/2009	1222.86	1225.37	1188.37	1178.37	39.37			1186.00	
MW-4	12/7/2009	1222.86	1225.37	1188.37	1178.37	39.35			1186.02	
MW-4	3/29/2010	1222.86	1225.37	1188.37	1178.37	38.84			1186.53	
MW-4	12/28/2010	1222.86	1225.37	1188.37	1178.37	37.69			1187.68	
MW-4	3/24/2011	1222.86	1225.37	1188.37	1178.37	37.70			1187.67	
MW-4	6/23/2011	1222.86	1225.37	1188.37	1178.37	37.18			1188.19	
MW-4	10/11/2011	1222.86	1225.37	1188.37	1178.37	37.56			1187.81	
MW-4	12/19/2011	1222.86	1225.37	1188.37	1178.37	37.85			1187.52	
MW-4	3/26/2012	1222.86	1225.37	1188.37	1178.37	37.62			1187.75	
MW-4	6/19/2012	1222.86	1225.37	1188.37	1178.37	37.86			1187.51	
MW-4	9/25/2012	1222.86	1225.37	1188.37	1178.37	38.38			1186.99	
MW-4	12/17/2012	1222.86	1225.37	1188.37	1178.37	38.21			1187.16	
MW-4	3/25/2013	1222.86	1225.37	1188.37	1178.37	38.77			1186.60	
MW-4	6/19/2013	1222.86	1225.37	1188.37	1178.37	37.75			1187.62	
MW-4	9/12/2013	1222.86	1225.37	1188.37	1178.37	38.63			1186.74	
MW-4	12/17/2013	1222.86	1225.37	1188.37	1178.37	38.63			1186.74	
MW-4	3/25/2014	1222.86	1225.37	1188.37	1178.37	39.08			1186.29	
MW-4	6/9/2014	1222.86	1225.37	1188.37	1178.37	37.33			1188.04	
MW-4	9/17/2014	1222.86	1225.37	1188.37	1178.37	37.47			1187.90	
MW-4	12/8/2014	1222.86	1225.37	1188.37	1178.37	37.86			1187.51	
MW-4	4/29/2015	1222.86	1225.37	1188.37	1178.37	37.69			1187.68	
MW-4	6/10/2015	1222.86	1225.37	1188.37	1178.37	37.47			1187.90	
MW-4	9/23/2015	1222.86	1225.37	1188.37	1178.37	37.78			1187.59	
MW-4	12/8/2015	1222.86	1225.37	1188.37	1178.37	37.28			1188.09	
MW-4	3/15/2016	1222.86	1225.37	1188.37	1178.37	37.37			1188.00	
MW-4	6/8/2016	1222.86	1225.37	1188.37	1178.37	36.85			1188.52	
MW-4	9/21/2016	1222.86	1225.37	1188.37	1178.37	37.50			1187.87	
MW-4	12/20/2016	1222.86	1225.37	1188.37	1178.37	37.57			1187.80	

MW-5	3/24/2007	1224.68	1226.96	1189.96	1179.96	40.69			1186.27	
MW-5	4/2/2007	1224.68	1226.96	1189.96	1179.96	40.11			1186.85	
MW-5	4/17/2007	1224.68	1226.96	1189.96	1179.96	40.38			1186.58	
MW-5	5/29/2007	1224.68	1226.96	1189.96	1179.96	40.49			1186.47	
MW-5	6/12/2007	1224.68	1226.96	1189.96	1179.96	40.51			1186.45	
MW-5	6/21/2007	1224.68	1226.96	1189.96	1179.96	40.60			1186.36	
MW-5	7/2/2007	1224.68	1226.96	1189.96	1179.96	40.76			1186.20	
MW-5	7/11/2007	1224.68	1226.96	1189.96	1179.96	40.75			1186.21	
MW-5	7/24/2007	1224.68	1226.96	1189.96	1179.96	40.82			1186.14	
MW-5	8/2/2007	1224.68	1226.96	1189.96	1179.96	40.80			1186.16	
MW-5	8/9/2007	1224.68	1226.96	1189.96	1179.96	40.87			1186.09	
MW-5	10/17/2007	1224.68	1226.96	1189.96	1179.96	40.34			1186.62	
MW-5	11/9/2007	1224.68	1226.96	1189.96	1179.96	40.47			1186.49	
MW-5	12/3/2007	1224.68	1226.96	1189.96	1179.96	40.50			1186.46	
MW-5	1/14/2008	1224.68	1226.96	1189.96	1179.96	40.85			1186.11	
MW-5	2/19/2008	1224.68	1226.96	1189.96	1179.96	41.00			1185.96	
MW-5	03/24/2008	1224.68	1226.96	1189.96	1179.96	40.99			1185.97	
MW-5	04/01/2008	1224.68	1226.96	1189.96	1179.96	40.96			1186.00	

Table 2
Ground Water Elevations/Product Thickness
Enbridge Energy MP85
Reichel Road, Town of Murry, Rusk County, Wisconsin
WDNR BRRTS# 02-55-548746

Location	Date	Ground Surface Elevation	Top of Riser Elevation	Top of Screen Elevation	Bottom of Screen Elevation	Depth to Water (TOR)	Depth to Product	Product Thickness	Ground Water Elevation	Product Elevation
MW-5	06/10/2008	1224.68	1226.96	1189.96	1179.96	39.96			1187.00	
MW-5	08/28/2008	1224.68	1226.96	1189.96	1179.96	40.30			1186.66	
MW-5	12/03/2008	1224.68	1226.96	1189.96	1179.96	40.12			1186.84	
MW-5	03/25/2009	1224.68	1226.96	1189.96	1179.96	40.52			1186.44	
MW-5	03/31/2009	1224.68	1226.96	1189.96	1179.96	40.48			1186.48	
MW-5	04/08/2009	1224.68	1226.96	1189.96	1179.96	40.45			1186.51	
MW-5	04/13/2009	1224.68	1226.96	1189.96	1179.96	40.66			1186.30	
MW-5	05/12/2009	1224.68	1226.96	1189.96	1179.96	40.49			1186.47	
MW-5	05/19/2009	1224.68	1226.96	1189.96	1179.96	40.66			1186.30	
MW-5	6/3/2009	1224.68	1226.96	1189.96	1179.96	40.85			1186.11	
MW-5	6/10/2009	1224.68	1226.96	1189.96	1179.96	40.85			1186.11	
MW-5	6/16/2009	1224.68	1226.96	1189.96	1179.96	40.93			1186.03	
MW-5	6/24/2009	1224.68	1226.96	1189.96	1179.96	40.94			1186.02	
MW-5	6/30/2009	1224.68	1226.96	1189.96	1179.96	41.00			1185.96	
MW-5	7/8/2009	1224.68	1226.96	1189.96	1179.96	41.03			1185.93	
MW-5	7/20/2009	1224.68	1226.96	1189.96	1179.96	41.17			1185.79	
MW-5	8/4/2009	1224.68	1226.96	1189.96	1179.96	41.13			1185.83	
MW-5	8/18/2009	1224.68	1226.96	1189.96	1179.96	41.25			1185.71	
MW-5	9/1/2009	1224.68	1226.96	1189.96	1179.96	41.25			1185.71	
MW-5	9/15/2009	1224.68	1226.96	1189.96	1179.96	41.34			1185.62	
MW-5	9/29/2009	1224.68	1226.96	1189.96	1179.96	41.32			1185.64	
MW-5	10/28/2009	1224.68	1226.96	1189.96	1179.96	41.05			1185.91	
MW-5	11/11/2009	1224.68	1226.96	1189.96	1179.96	41.11			1185.85	
MW-5	12/1/2009	1224.68	1226.96	1189.96	1179.96	41.23			1185.73	
MW-5	12/7/2009	1224.68	1226.96	1189.96	1179.96	41.31			1185.65	
MW-5	12/22/2009	1224.68	1226.96	1189.96	1179.96	41.29			1185.67	
MW-5	1/5/2010	1224.68	1226.96	1189.96	1179.96	41.24			1185.72	
MW-5	1/19/2010	1224.68	1226.96	1189.96	1179.96	41.27			1185.69	
MW-5	2/3/2010	1224.68	1226.96	1189.96	1179.96	41.30			1185.66	
MW-5	2/16/2010	1224.68	1226.96	1189.96	1179.96	41.32			1185.64	
MW-5	3/3/2010	1224.68	1226.96	1189.96	1179.96	41.35			1185.61	
MW-5	3/16/2010	1224.68	1226.96	1189.96	1179.96	40.55			1186.41	
MW-5	3/30/2010	1224.68	1226.96	1189.96	1179.96	40.85			1186.11	
MW-5	4/13/2010	1224.68	1226.96	1189.96	1179.96	41.08			1185.88	
MW-5	4/27/2010	1224.68	1226.96	1189.96	1179.96	41.05			1185.91	
MW-5	5/12/2010	1224.68	1226.96	1189.96	1179.96	40.98			1185.98	
MW-5	5/26/2010	1224.68	1226.96	1189.96	1179.96	40.93			1186.03	
MW-5	6/8/2010	1224.68	1226.96	1189.96	1179.96	41.00			1185.96	
MW-5	6/24/2010	1224.68	1226.96	1189.96	1179.96	40.62			1186.34	
MW-5	7/7/2010	1224.68	1226.96	1189.96	1179.96	40.68			1186.28	
MW-5	7/20/2010	1224.68	1226.96	1189.96	1179.96	40.38			1186.58	
MW-5	8/3/2010	1224.68	1226.96	1189.96	1179.96	40.43			1186.53	
MW-5	8/16/2010	1224.68	1226.96	1189.96	1179.96	40.06			1186.90	
MW-5	8/31/2010	1224.68	1226.96	1189.96	1179.96	40.27			1186.69	
MW-5	9/14/2010	1224.68	1226.96	1189.96	1179.96	40.30			1186.66	
MW-5	9/27/2010	1224.68	1226.96	1189.96	1179.96	39.69			1187.27	
MW-5	10/12/2010	1224.68	1226.96	1189.96	1179.96	39.95			1187.01	
MW-5	10/25/2010	1224.68	1226.96	1189.96	1179.96	39.90			1187.06	
MW-5	11/9/2010	1224.68	1226.96	1189.96	1179.96	39.68			1187.28	
MW-5	11/30/2010	1224.68	1226.96	1189.96	1179.96	39.67			1187.29	
MW-5	12/16/2010	1224.68	1226.96	1189.96	1179.96	39.70			1187.26	
MW-5	12/28/2010	1224.68	1226.96	1189.96	1179.96	39.78			1187.18	
MW-5	1/25/2011	1224.68	1226.96	1189.96	1179.96	39.90			1187.06	
MW-5	2/8/2011	1224.68	1226.96	1189.96	1179.96	39.95			1187.01	
MW-5	2/21/2011	1224.68	1226.96	1189.96	1179.96	39.96			1187.00	
MW-5	3/8/2011	1224.68	1226.96	1189.96	1179.96	40.07			1186.89	
MW-5	3/24/2011	1224.68	1226.96	1189.96	1179.96	39.68			1187.28	
MW-5	4/4/2011	1224.68	1226.96	1189.96	1179.96	39.70			1187.26	
MW-5	4/26/2011	1224.68	1226.96	1189.96	1179.96	39.39			1187.57	
MW-5	5/10/2011	1224.68	1226.96	1189.96	1179.96	39.29			1187.67	
MW-5	5/23/2011	1224.68	1226.96	1189.96	1179.96	39.25			1187.71	
MW-5	6/7/2011	1224.68	1226.96	1189.96	1179.96	39.23			1187.73	
MW-5	6/23/2011	1224.68	1226.96	1189.96	1179.96	39.16			1187.80	
MW-5	7/7/2011	1224.68	1226.96	1189.96	1179.96	39.47			1187.49	
MW-5	7/28/2011	1224.68	1226.96	1189.96	1179.96	39.49			1187.47	
MW-5	8/15/2011	1224.68	1226.96	1189.96	1179.96	39.43			1187.53	
MW-5	10/11/2011	1224.68	1226.96	1189.96	1179.96	39.62			1187.34	
MW-5	10/24/2011	1224.68	1226.96	1189.96	1179.96	39.62			1187.34	
MW-5	12/19/2011	1224.68	1226.96	1189.96	1179.96	39.88			1187.08	
MW-5	1/10/2012	1224.68	1226.96	1189.96	1179.96	39.92			1187.04	
MW-5	1/24/2012	1224.68	1226.96	1189.96	1179.96	40.08			1186.88	
MW-5	2/6/2012	1224.68	1226.96	1189.96	1179.96	40.12			1186.84	
MW-5	2/20/2012	1224.68	1226.96	1189.96	1179.96	40.22			1186.74	
MW-5	3/6/2012	1224.68	1226.96	1189.96	1179.96	40.30			1186.66	
MW-5	3/26/2012	1224.68	1226.96	1189.96	1179.96	39.70			1187.26	
MW-5	4/10/2012	1224.68	1226.96	1189.96	1179.96	39.98			1186.98	
MW-5	4/23/2012	1224.68	1226.96	1189.96	1179.96	39.78			1187.18	
MW-5	5/7/2012	1224.68	1226.96	1189.96	1179.96	39.69			1187.27	
MW-5	5/22/2012	1224.68	1226.96	1189.96	1179.96	39.91			1187.05	
MW-5	6/5/2012	1224.68	1226.96	1189.96	1179.96	39.93			1187.03	
MW-5	6/20/2012	1224.68	1226.96	1189.96	1179.96	39.98			1186.98	
MW-5	7/18/2012	1224.68	1226.96	1189.96	1179.96	40.14			1186.82	
MW-5	7/30/2012	1224.68	1226.96	1189.96	1179.96	40.09			1186.87	
MW-5	8/12/2012	1224.68	1226.96	1189.96	1179.96	40.20			1186.76	

Table 2
Ground Water Elevations/Product Thickness
Enbridge Energy MP85
Reichel Road, Town of Murry, Rusk County, Wisconsin
WDNR BRRTS# 02-55-548746

Location	Date	Ground Surface Elevation	Top of Riser Elevation	Top of Screen Elevation	Bottom of Screen Elevation	Depth to Water (TOR)	Depth to Product	Product Thickness	Ground Water Elevation	Product Elevation
MW-5	8/29/2012	1224.68	1226.96	1189.96	1179.96	40.37			1186.59	
MW-5	9/12/2012	1224.68	1226.96	1189.96	1179.96	40.39			1186.57	
MW-5	9/25/2012	1224.68	1226.96	1189.96	1179.96	40.38			1186.58	
MW-5	10/16/2012	1224.68	1226.96	1189.96	1179.96	40.21			1186.75	
MW-5	10/30/2012	1224.68	1226.96	1189.96	1179.96	40.13			1186.83	
MW-5	11/12/2012	1224.68	1226.96	1189.96	1179.96	40.15			1186.81	
MW-5	12/4/2012	1224.68	1226.96	1189.96	1179.96	40.28			1186.68	
MW-5	12/17/2012	1224.68	1226.96	1189.96	1179.96	40.37			1186.59	
MW-5	1/2/2013	1224.68	1226.96	1189.96	1179.96	40.32			1186.64	
MW-5	1/15/2013	1224.68	1226.96	1189.96	1179.96	40.40			1186.56	
MW-5	1/29/2013	1224.68	1226.96	1189.96	1179.96	40.48			1186.48	
MW-5	2/12/2013	1224.68	1226.96	1189.96	1179.96	40.54			1186.42	
MW-5	2/25/2013	1224.68	1226.96	1189.96	1179.96	40.60			1186.36	
MW-5	3/12/2013	1224.68	1226.96	1189.96	1179.96	40.69			1186.27	
MW-5	3/25/2013	1224.68	1226.96	1189.96	1179.96	40.66			1186.30	
MW-5	4/9/2013	1224.68	1226.96	1189.96	1179.96	40.25			1186.71	
MW-5	4/22/2013	1224.68	1226.96	1189.96	1179.96	39.93			1187.03	
MW-5	5/9/2013	1224.68	1226.96	1189.96	1179.96	39.38			1187.58	
MW-5	6/19/2013	1224.68	1226.96	1189.96	1179.96	39.90			1187.06	
MW-5	7/17/2013	1224.68	1226.96	1189.96	1179.96	40.18			1186.78	
MW-5	8/13/2013	1224.68	1226.96	1189.96	1179.96	41.37			1185.59	
MW-5	9/12/2013	1224.68	1226.96	1189.96	1179.96	40.68			1186.28	
MW-5	10/31/2013	1224.68	1226.96	1189.96	1179.96	40.56			1186.40	
MW-5	11/13/2013	1224.68	1226.96	1189.96	1179.96	40.56			1186.40	
MW-5	12/17/2013	1224.68	1226.96	1189.96	1179.96	40.67			1186.29	
MW-5	1/21/2014	1224.68	1226.96	1189.96	1179.96	40.78			1186.18	
MW-5	2/18/2014	1224.68	1226.96	1189.96	1179.96	40.98			1185.98	
MW-5	3/25/2014	1224.68	1226.96	1189.96	1179.96	41.06			1185.90	
MW-5	4/16/2014	1224.68	1226.96	1189.96	1179.96	38.94			1188.02	
MW-5	6/9/2014	1224.68	1226.96	1189.96	1179.96	39.40			1187.56	
MW-5	7/17/2014	1224.68	1226.96	1189.96	1179.96	39.68			1187.28	
MW-5	8/19/2014	1224.68	1226.96	1189.96	1179.96	39.85			1187.11	
MW-5	9/17/2014	1224.68	1226.96	1189.96	1179.96	39.51			1187.45	
MW-5	10/14/2014	1224.68	1226.96	1189.96	1179.96	39.69			1187.27	
MW-5	11/13/2014	1224.68	1226.96	1189.96	1179.96	39.75			1187.21	
MW-5	12/8/2014	1224.68	1226.96	1189.96	1179.96	39.89			1187.07	
MW-5	1/13/2015	1224.68	1226.96	1189.96	1179.96	39.85			1187.11	
MW-5	2/24/2015	1224.68	1226.96	1189.96	1179.96	40.16			1186.80	
MW-5	4/29/2015	1224.68	1226.96	1189.96	1179.96	39.77			1187.19	
MW-5	6/10/2015	1224.68	1226.96	1189.96	1179.96	39.51			1187.45	
MW-5	7/13/2015	1224.68	1226.96	1189.96	1179.96	39.55			1187.41	
MW-5	7/30/2015	1224.68	1226.96	1189.96	1179.96	39.89			1187.07	
MW-5	8/20/2015	1224.68	1226.96	1189.96	1179.96	39.88			1187.08	
MW-5	9/23/2015	1224.68	1226.96	1189.96	1179.96	39.82			1187.14	
MW-5	10/22/2015	1224.68	1226.96	1189.96	1179.96	40.09			1186.87	
MW-5	11/12/2015	1224.68	1226.96	1189.96	1179.96	39.58			1187.38	
MW-5	12/8/2015	1224.68	1226.96	1189.96	1179.96	39.36			1187.60	
MW-5	1/14/2016	1224.68	1226.96	1189.96	1179.96	39.48			1187.48	
MW-5	2/3/2016	1224.68	1226.96	1189.96	1179.96	39.78			1187.18	
MW-5	3/16/2016	1224.68	1226.96	1189.96	1179.96	39.40			1187.56	
MW-5	4/11/2016	1224.68	1226.96	1189.96	1179.96	39.46			1187.50	
MW-5	5/5/2016	1224.68	1226.96	1189.96	1179.96	39.28			1187.68	
MW-5	6/8/2016	1224.68	1226.96	1189.96	1179.96	38.92			1188.04	
MW-5	7/13/2016	1224.68	1226.96	1189.96	1179.96	38.21			1188.75	
MW-5	8/11/2016	1224.68	1226.96	1189.96	1179.96	39.45			1187.51	
MW-5	9/21/2016	1224.68	1226.96	1189.96	1179.96	39.64			1187.32	
MW-5	10/24/2016	1224.68	1226.96	1189.96	1179.96	39.58			1187.38	
MW-5	12/6/2016	1224.68	1226.96	1189.96	1179.96	39.64			1187.32	
MW-5	12/20/2016	1224.68	1226.96	1189.96	1179.96	39.69			1187.27	
MW-6	5/29/2007	1223.53	1225.19	1191.19	1181.19	38.85			1186.34	
MW-6	6/12/2007	1223.53	1225.19	1191.19	1181.19	38.88			1186.31	
MW-6	6/21/2007	1223.53	1225.19	1191.19	1181.19	38.97			1186.22	
MW-6	7/2/2007	1223.53	1225.19	1191.19	1181.19	39.11			1186.08	
MW-6	7/11/2007	1223.53	1225.19	1191.19	1181.19	39.13			1186.06	
MW-6	7/24/2007	1223.53	1225.19	1191.19	1181.19	39.17			1186.02	
MW-6	8/2/2007	1223.53	1225.19	1191.19	1181.19	39.17			1186.02	
MW-6	8/9/2007	1223.53	1225.19	1191.19	1181.19	39.23			1185.96	
MW-6	10/17/2007	1223.53	1225.19	1191.19	1181.19	38.74			1186.45	
MW-6	11/9/2007	1223.53	1225.19	1191.19	1181.19	38.83			1186.36	
MW-6	12/3/2007	1223.53	1225.19	1191.19	1181.19	38.86			1186.33	
MW-6	1/14/2008	1223.53	1225.19	1191.19	1181.19	39.22			1185.97	
MW-6	2/19/2008	1223.53	1225.19	1191.19	1181.19	39.39			1185.80	
MW-6	03/24/2008	1223.53	1225.19	1191.19	1181.19	39.40			1185.79	
MW-6	04/01/2008	1223.53	1225.19	1191.19	1181.19	39.33			1185.86	
MW-6	06/10/2008	1223.53	1225.19	1191.19	1181.19	38.35			1186.84	
MW-6	08/28/2008	1223.53	1225.19	1191.19	1181.19	38.73			1186.46	
MW-6	12/03/2008	1223.53	1225.19	1191.19	1181.19	38.62			1186.57	
MW-6	03/25/2009	1223.53	1225.19	1191.19	1181.19	38.72			1186.47	
MW-6	03/31/2009	1223.53	1225.19	1191.19	1181.19	38.88			1186.31	
MW-6	04/08/2009	1223.53	1225.19	1191.19	1181.19	38.84			1186.35	
MW-6	04/13/2009	1223.53	1225.19	1191.19	1181.19	39.04			1186.15	
MW-6	05/12/2009	1223.53	1225.19	1191.19	1181.19	39.03			1186.16	

Table 2
Ground Water Elevations/Product Thickness
Enbridge Energy MP85
Reichel Road, Town of Murry, Rusk County, Wisconsin
WDNR BRRTS# 02-55-548746

Location	Date	Ground Surface Elevation	Top of Riser Elevation	Top of Screen Elevation	Bottom of Screen Elevation	Depth to Water (TOR)	Depth to Product	Product Thickness	Ground Water Elevation	Product Elevation
MW-6	05/19/2009	1223.53	1225.19	1191.19	1181.19	39.09			1186.10	
MW-6	6/3/2009	1223.53	1225.19	1191.19	1181.19	39.28			1185.91	
MW-6	6/10/2009	1223.53	1225.19	1191.19	1181.19	39.25			1185.94	
MW-6	6/16/2009	1223.53	1225.19	1191.19	1181.19	39.33			1185.86	
MW-6	6/24/2009	1223.53	1225.19	1191.19	1181.19	39.35			1185.84	
MW-6	6/30/2009	1223.53	1225.19	1191.19	1181.19	39.41			1185.78	
MW-6	7/8/2009	1223.53	1225.19	1191.19	1181.19	39.44			1185.75	
MW-6	7/20/2009	1223.53	1225.19	1191.19	1181.19	39.58			1185.61	
MW-6	8/4/2009	1223.53	1225.19	1191.19	1181.19	39.52			1185.67	
MW-6	8/18/2009	1223.53	1225.19	1191.19	1181.19	39.61			1185.58	
MW-6	9/1/2009	1223.53	1225.19	1191.19	1181.19	39.62			1185.57	
MW-6	9/15/2009	1223.53	1225.19	1191.19	1181.19	39.73			1185.46	
MW-6	9/29/2009	1223.53	1225.19	1191.19	1181.19	39.71			1185.48	
MW-6	10/28/2009	1223.53	1225.19	1191.19	1181.19	39.43			1185.76	
MW-6	11/11/2009	1223.53	1225.19	1191.19	1181.19	39.49			1185.70	
MW-6	12/1/2009	1223.53	1225.19	1191.19	1181.19	39.65			1185.54	
MW-6	12/7/2009	1223.53	1225.19	1191.19	1181.19	39.72			1185.47	
MW-6	12/22/2009	1223.53	1225.19	1191.19	1181.19	39.72			1185.47	
MW-6	1/5/2010	1223.53	1225.19	1191.19	1181.19	39.68			1185.51	
MW-6	1/19/2010	1223.53	1225.19	1191.19	1181.19	39.73			1185.46	
MW-6	2/3/2010	1223.53	1225.19	1191.19	1181.19	39.72			1185.47	
MW-6	2/16/2010	1223.53	1225.19	1191.19	1181.19	39.73			1185.46	
MW-6	3/3/2010	1223.53	1225.19	1191.19	1181.19	39.72			1185.47	
MW-6	3/16/2010	1223.53	1225.19	1191.19	1181.19	38.91			1186.28	
MW-6	3/30/2010	1223.53	1225.19	1191.19	1181.19	39.26			1185.93	
MW-6	4/13/2010	1223.53	1225.19	1191.19	1181.19	39.49			1185.70	
MW-6	4/27/2010	1223.53	1225.19	1191.19	1181.19	39.46			1185.73	
MW-6	5/12/2010	1223.53	1225.19	1191.19	1181.19	39.40			1185.79	
MW-6	5/26/2010	1223.53	1225.19	1191.19	1181.19	39.36			1185.83	
MW-6	6/8/2010	1223.53	1225.19	1191.19	1181.19	39.41			1185.78	
MW-6	6/24/2010	1223.53	1225.19	1191.19	1181.19	39.02			1186.17	
MW-6	7/7/2010	1223.53	1225.19	1191.19	1181.19	39.06			1186.13	
MW-6	7/20/2010	1223.53	1225.19	1191.19	1181.19	38.81			1186.38	
MW-6	8/3/2010	1223.53	1225.19	1191.19	1181.19	38.83			1186.36	
MW-6	8/16/2010	1223.53	1225.19	1191.19	1181.19	38.46			1186.73	
MW-6	8/31/2010	1223.53	1225.19	1191.19	1181.19	38.71			1186.48	
MW-6	9/14/2010	1223.53	1225.19	1191.19	1181.19	38.73			1186.46	
MW-6	9/27/2010	1223.53	1225.19	1191.19	1181.19	38.13			1187.06	
MW-6	10/12/2010	1223.53	1225.19	1191.19	1181.19	38.40			1186.79	
MW-6	10/25/2010	1223.53	1225.19	1191.19	1181.19	38.33			1186.86	
MW-6	11/9/2010	1223.53	1225.19	1191.19	1181.19	38.13			1187.06	
MW-6	11/30/2010	1223.53	1225.19	1191.19	1181.19	38.11			1187.08	
MW-6	12/16/2010	1223.53	1225.19	1191.19	1181.19	38.17			1187.02	
MW-6	12/28/2010	1223.53	1225.19	1191.19	1181.19	38.15			1187.04	
MW-6	1/25/2011	1223.53	1225.19	1191.19	1181.19	38.36			1186.83	
MW-6	2/8/2011	1223.53	1225.19	1191.19	1181.19	38.43			1186.76	
MW-6	2/21/2011	1223.53	1225.19	1191.19	1181.19	38.45			1186.74	
MW-6	3/8/2011	1223.53	1225.19	1191.19	1181.19	38.53			1186.66	
MW-6	3/24/2011	1223.53	1225.19	1191.19	1181.19	38.03			1187.16	
MW-6	4/4/2011	1223.53	1225.19	1191.19	1181.19	38.00			1187.19	
MW-6	4/26/2011	1223.53	1225.19	1191.19	1181.19	37.82			1187.37	
MW-6	5/10/2011	1223.53	1225.19	1191.19	1181.19	37.77			1187.42	
MW-6	5/23/2011	1223.53	1225.19	1191.19	1181.19	37.68			1187.51	
MW-6	6/7/2011	1223.53	1225.19	1191.19	1181.19	37.72			1187.47	
MW-6	6/23/2011	1223.53	1225.19	1191.19	1181.19	37.67			1187.52	
MW-6	7/7/2011	1223.53	1225.19	1191.19	1181.19	37.95			1187.24	
MW-6	7/28/2011	1223.53	1225.19	1191.19	1181.19	37.27			1187.92	
MW-6	8/15/2011	1223.53	1225.19	1191.19	1181.19	37.81			1187.38	
MW-6	9/1/2011	1223.53	1225.19	1191.19	1181.19	37.90			1187.29	
MW-6	9/13/2011	1223.53	1225.19	1191.19	1181.19	38.06			1187.13	
MW-6	9/27/2011	1223.53	1225.19	1191.19	1181.19	38.11			1187.08	
MW-6	10/11/2011	1223.53	1225.19	1191.19	1181.19	38.06			1187.13	
MW-6	12/19/2011	1223.53	1225.19	1191.19	1181.19	38.32			1186.87	
MW-6	1/10/2012	1223.53	1225.19	1191.19	1181.19	38.36			1186.83	
MW-6	1/24/2012	1223.53	1225.19	1191.19	1181.19	38.50			1186.69	
MW-6	2/6/2012	1223.53	1225.19	1191.19	1181.19	38.57			1186.62	
MW-6	2/20/2012	1223.53	1225.19	1191.19	1181.19	38.68			1186.51	
MW-6	3/6/2012	1223.53	1225.19	1191.19	1181.19	38.92			1186.27	
MW-6	3/26/2012	1223.53	1225.19	1191.19	1181.19	38.12			1187.07	
MW-6	4/10/2012	1223.53	1225.19	1191.19	1181.19	38.45			1186.74	
MW-6	4/23/2012	1223.53	1225.19	1191.19	1181.19	38.25			1186.94	
MW-6	5/7/2012	1223.53	1225.19	1191.19	1181.19	38.12			1187.07	
MW-6	5/22/2012	1223.53	1225.19	1191.19	1181.19	38.42			1186.77	
MW-6	6/5/2012	1223.53	1225.19	1191.19	1181.19	38.38			1186.81	
MW-6	6/19/2012	1223.53	1225.19	1191.19	1181.19	38.31			1186.88	
MW-6	7/18/2012	1223.53	1225.19	1191.19	1181.19	38.52			1186.67	
MW-6	7/30/2012	1223.53	1225.19	1191.19	1181.19	38.57			1186.62	
MW-6	8/12/2012	1223.53	1225.19	1191.19	1181.19	38.71			1186.48	
MW-6	8/29/2012	1223.53	1225.19	1191.19	1181.19	38.80			1186.39	
MW-6	9/12/2012	1223.53	1225.19	1191.19	1181.19	38.82			1186.37	
MW-6	9/25/2012	1223.53	1225.19	1191.19	1181.19	38.85			1186.34	
MW-6	10/16/2012	1223.53	1225.19	1191.19	1181.19	38.65			1186.54	
MW-6	10/30/2012	1223.53	1225.19	1191.19	1181.19	38.54			1186.65	
MW-6	11/12/2012	1223.53	1225.19	1191.19	1181.19	38.56			1186.63	

Table 2
 Ground Water Elevations/Product Thickness
 Enbridge Energy MP85
 Reichel Road, Town of Murry, Rusk County, Wisconsin
 WDNR BRRTS# 02-55-548746

Location	Date	Ground Surface Elevation	Top of Riser Elevation	Top of Screen Elevation	Bottom of Screen Elevation	Depth to Water (TOR)	Depth to Product	Product Thickness	Ground Water Elevation	Product Elevation
MW-6	12/4/2012	1223.53	1225.19	1191.19	1181.19	38.62			1186.57	
MW-6	12/17/2012	1223.53	1225.19	1191.19	1181.19	38.59			1186.60	
MW-6	1/2/2013	1223.53	1225.19	1191.19	1181.19	38.74			1186.45	
MW-6	1/15/2013	1223.53	1225.19	1191.19	1181.19	38.80			1186.39	
MW-6	1/29/2013	1223.53	1225.19	1191.19	1181.19	38.90			1186.29	
MW-6	2/12/2013	1223.53	1225.19	1191.19	1181.19	38.94			1186.25	
MW-6	2/25/2013	1223.53	1225.19	1191.19	1181.19	39.00			1186.19	
MW-6	3/12/2013	1223.53	1225.19	1191.19	1181.19	39.09			1186.10	
MW-6	3/25/2013	1223.53	1225.19	1191.19	1181.19	39.05			1186.14	
MW-6	4/9/2013	1223.53	1225.19	1191.19	1181.19	38.60			1186.59	
MW-6	4/22/2013	1223.53	1225.19	1191.19	1181.19	38.31			1186.88	
MW-6	5/9/2013	1223.53	1225.19	1191.19	1181.19	37.71			1187.48	
MW-6	6/19/2013	1223.53	1225.19	1191.19	1181.19	38.24			1186.95	
MW-6	7/17/2013	1223.53	1225.19	1191.19	1181.19	38.61			1186.58	
MW-6	8/13/2013	1223.53	1225.19	1191.19	1181.19	38.90			1186.29	
MW-6	9/12/2013	1223.53	1225.19	1191.19	1181.19	39.11			1186.08	
MW-6	10/31/2013	1223.53	1225.19	1191.19	1181.19	38.45			1186.74	
MW-6	11/13/2013	1223.53	1225.19	1191.19	1181.19	38.95			1186.24	
MW-6	12/17/2013	1223.53	1225.19	1191.19	1181.19	39.07			1186.12	
MW-6	1/21/2014	1223.53	1225.19	1191.19	1181.19	39.19			1186.00	
MW-6	2/18/2014	1223.53	1225.19	1191.19	1181.19	39.40			1185.79	
MW-6	3/25/2014	1223.53	1225.19	1191.19	1181.19	39.43			1185.76	
MW-6	4/16/2014	1223.53	1225.19	1191.19	1181.19	38.32			1186.87	
MW-6	6/9/2014	1223.53	1225.19	1191.19	1181.19	37.82			1187.37	
MW-6	7/17/2014	1223.53	1225.19	1191.19	1181.19	38.12			1187.07	
MW-6	8/19/2014	1223.53	1225.19	1191.19	1181.19	38.28			1186.91	
MW-6	9/17/2014	1223.53	1225.19	1191.19	1181.19	37.96			1187.23	
MW-6	10/14/2014	1223.53	1225.19	1191.19	1181.19	38.18			1187.01	
MW-6	11/13/2014	1223.53	1225.19	1191.19	1181.19	38.24			1186.95	
MW-6	12/8/2014	1223.53	1225.19	1191.19	1181.19	38.31			1186.88	
MW-6	1/13/2015	1223.53	1225.19	1191.19	1181.19	38.28			1186.91	
MW-6	2/24/2015	1223.53	1225.19	1191.19	1181.19	38.60			1186.59	
MW-6	4/29/2015	1223.53	1225.19	1191.19	1181.19	38.19			1187.00	
MW-6	6/10/2015	1223.53	1225.19	1191.19	1181.19	37.97			1187.22	
MW-6	7/13/2015	1223.53	1225.19	1191.19	1181.19	38.00			1187.19	
MW-6	7/30/2015	1223.53	1225.19	1191.19	1181.19	38.35			1186.84	
MW-6	8/20/2015	1223.53	1225.19	1191.19	1181.19	38.29			1186.90	
MW-6	9/23/2015	1223.53	1225.19	1191.19	1181.19	38.20			1186.99	
MW-6	10/22/2015	1223.53	1225.19	1191.19	1181.19	38.50			1186.69	
MW-6	11/12/2015	1223.53	1225.19	1191.19	1181.19	37.95			1187.24	
MW-6	12/8/2015	1223.53	1225.19	1191.19	1181.19	37.82			1187.37	
MW-6	1/14/2016	1223.53	1225.19	1191.19	1181.19	37.97			1187.22	
MW-6	2/3/2016	1223.53	1225.19	1191.19	1181.19	38.21			1186.98	
MW-6	3/16/2016	1223.53	1225.19	1191.19	1181.19	37.78			1187.41	
MW-6	4/11/2016	1223.53	1225.19	1191.19	1181.19	37.93			1187.26	
MW-6	5/5/2016	1223.53	1225.19	1191.19	1181.19	37.74			1187.45	
MW-6	6/8/2016	1223.53	1225.19	1191.19	1181.19	37.38			1187.81	
MW-6	7/13/2016	1223.53	1225.19	1191.19	1181.19	37.72			1187.47	
MW-6	8/11/2016	1223.53	1225.19	1191.19	1181.19	37.95			1187.24	
MW-6	9/21/2016	1223.53	1225.19	1191.19	1181.19	38.20			1186.99	
MW-6	10/24/2016	1223.53	1225.19	1191.19	1181.19	38.01			1187.18	
MW-6	12/6/2016	1223.53	1225.19	1191.19	1181.19	38.10			1187.09	
MW-6	12/20/2016	1223.53	1225.19	1191.19	1181.19	38.14			1187.05	
MW-7	6/12/2007	1223.77	1225.94	1189.94	1179.94	39.59			1186.35	
MW-7	6/21/2007	1223.77	1225.94	1189.94	1179.94	39.67			1186.27	
MW-7	7/2/2007	1223.77	1225.94	1189.94	1179.94	39.82			1186.12	
MW-7	7/11/2007	1223.77	1225.94	1189.94	1179.94	39.83			1186.11	
MW-7	7/24/2007	1223.77	1225.94	1189.94	1179.94	39.89			1186.05	
MW-7	8/2/2007	1223.77	1225.94	1189.94	1179.94	39.88			1186.06	
MW-7	8/9/2007	1223.77	1225.94	1189.94	1179.94	39.94			1186.00	
MW-7	10/17/2007	1223.77	1225.94	1189.94	1179.94	39.41			1186.53	
MW-7	11/9/2007	1223.77	1225.94	1189.94	1179.94	39.54			1186.40	
MW-7	12/3/2007	1223.77	1225.94	1189.94	1179.94	39.56			1186.38	
MW-7	1/14/2008	1223.77	1225.94	1189.94	1179.94	39.92			1186.02	
MW-7	2/19/2008	1223.77	1225.94	1189.94	1179.94	40.89	39.91	0.98	1185.05	1186.03
MW-7	2/25/2008	1223.77	1225.94	1189.94	1179.94	40.93	39.93	1.00	1185.01	1186.01
MW-7	3/11/2008	1223.77	1225.94	1189.94	1179.94	41.00	39.95	1.05	1184.94	1185.99
MW-7	3/19/2008	1223.77	1225.94	1189.94	1179.94	41.06	39.97	1.09	1184.88	1185.97
MW-7	3/24/2008	1223.77	1225.94	1189.94	1179.94	40.98	39.91	1.07	1184.96	1186.03
MW-7	6/10/2008	1223.77	1225.94	1189.94	1179.94	39.26	38.99	0.27	1186.68	1186.95
MW-7	7/22/2008	1223.77	1225.94	1189.94	1179.94	39.03	39.03	0.00	1186.91	1186.91
MW-7	7/30/2008	1223.77	1225.94	1189.94	1179.94	39.04	39.04	0.00	1186.90	1186.90
MW-7	8/5/2008	1223.77	1225.94	1189.94	1179.94	39.80	39.15	0.65	1186.14	1186.79
MW-7	8/12/2008	1223.77	1225.94	1189.94	1179.94	39.80	39.23	0.57	1186.14	1186.71
MW-7	8/19/2008	1223.77	1225.94	1189.94	1179.94	39.85	39.25	0.60	1186.09	1186.69
MW-7	8/28/2008	1223.77	1225.94	1189.94	1179.94	41.20	40.33	0.87	1184.74	1185.61
MW-7	9/9/2008	1223.77	1225.94	1189.94	1179.94	42.00	40.30	1.70	1183.94	1185.64
MW-7	9/16/2008	1223.77	1225.94	1189.94	1179.94	42.06	40.30	1.76	1183.88	1185.64
MW-7	9/24/2008	1223.77	1225.94	1189.94	1179.94	41.30	40.35	0.95	1184.64	1185.59
MW-7	9/30/2008	1223.77	1225.94	1189.94	1179.94	41.78	41.22	0.56	1184.16	1184.72
MW-7	10/6/2008	1223.77	1225.94	1189.94	1179.94	40.86	40.12	0.74	1185.08	1185.82
MW-7	10/14/2008	1223.77	1225.94	1189.94	1179.94	40.84	40.14	0.70	1185.10	1185.80

Table 2
Ground Water Elevations/Product Thickness
Enbridge Energy MP85
Reichel Road, Town of Murry, Rusk County, Wisconsin
WDNR BRRTS# 02-55-548746

Location	Date	Ground Surface Elevation	Top of Riser Elevation	Top of Screen Elevation	Bottom of Screen Elevation	Depth to Water (TOR)	Depth to Product	Product Thickness	Ground Water Elevation	Product Elevation
MW-7	10/21/2008	1223.77	1225.94	1189.94	1179.94	40.61	40.14	0.47	1185.33	1185.80
MW-7	11/4/2008	1223.77	1225.94	1189.94	1179.94	40.19	40.04	0.15	1185.75	1185.90
MW-7	11/11/2008	1223.77	1225.94	1189.94	1179.94	40.19	40.04	0.15	1185.75	1185.90
MW-7	11/19/2008	1223.77	1225.94	1189.94	1179.94	40.25	40.10	0.15	1185.69	1185.84
MW-7	12/3/2008	1223.77	1225.94	1189.94	1179.94	40.35	40.00	0.35	1185.59	1185.94
MW-7	1/2/2009	1223.77	1225.94	1189.94	1179.94	40.80	40.65	0.15	1185.14	1185.29
MW-7	2/4/2009	1223.77	1225.94	1189.94	1179.94	40.79	40.60	0.19	1185.15	1185.34
MW-7	2/10/2009	1223.77	1225.94	1189.94	1179.94	41.10	40.53	0.57	1184.84	1185.41
MW-7	2/27/2009	1223.77	1225.94	1189.94	1179.94	40.92	40.68	0.24	1185.02	1185.26
MW-7	3/4/2009	1223.77	1225.94	1189.94	1179.94	41.30	40.65	0.65	1184.64	1185.29
MW-7	3/11/2009	1223.77	1225.94	1189.94	1179.94	41.05	40.62	0.43	1184.89	1185.32
MW-7	3/17/2009	1223.77	1225.94	1189.94	1179.94	41.01	40.49	0.52	1184.93	1185.45
MW-7	3/25/2009	1223.77	1225.94	1189.94	1179.94	40.47	40.45	0.02	1185.47	1185.49
MW-7	3/31/2009	1223.77	1225.94	1189.94	1179.94	40.52	40.52	0.00	1185.42	1185.42
MW-7	4/8/2009	1223.77	1225.94	1189.94	1179.94	40.55	40.40	0.15	1185.39	1185.54
MW-7	4/13/2009	1223.77	1225.94	1189.94	1179.94	40.59	40.59	0.00	1185.35	1185.35
MW-7	4/22/2009	1223.77	1225.94	1189.94	1179.94	40.81	40.73	0.08	1185.13	1185.21
MW-7	4/29/2009	1223.77	1225.94	1189.94	1179.94	40.85	40.58	0.27	1185.09	1185.36
MW-7	5/12/2009	1223.77	1225.94	1189.94	1179.94	40.91	40.52	0.39	1185.03	1185.42
MW-7	5/19/2009	1223.77	1225.94	1189.94	1179.94	41.31	40.69	0.62	1184.63	1185.25
MW-7	6/3/2009	1223.77	1225.94	1189.94	1179.94	41.60	40.96	0.64	1184.34	1184.98
MW-7	6/10/2009	1223.77	1225.94	1189.94	1179.94	41.55	40.95	0.60	1184.39	1184.99
MW-7	6/16/2009	1223.77	1225.94	1189.94	1179.94	41.25	41.00	0.25	1184.69	1184.94
MW-7	6/24/2009	1223.77	1225.94	1189.94	1179.94	41.19	41.03	0.16	1184.75	1184.91
MW-7	6/30/2009	1223.77	1225.94	1189.94	1179.94	40.70	40.60	0.10	1185.24	1185.34
MW-7	7/8/2009	1223.77	1225.94	1189.94	1179.94	40.85	40.62	0.23	1185.09	1185.32
MW-7	7/20/2009	1223.77	1225.94	1189.94	1179.94	40.80	40.20	0.60	1185.14	1185.74
MW-7	8/4/2009	1223.77	1225.94	1189.94	1179.94	40.39	40.05	0.34	1185.55	1185.89
MW-7	8/18/2009	1223.77	1225.94	1189.94	1179.94	40.41	40.12	0.29	1185.53	1185.82
MW-7	9/1/2009	1223.77	1225.94	1189.94	1179.94	40.85	40.25	0.60	1185.09	1185.69
MW-7	9/15/2009	1223.77	1225.94	1189.94	1179.94	40.65	40.42	0.23	1185.29	1185.52
MW-7	9/29/2009	1223.77	1225.94	1189.94	1179.94	40.35	40.10	0.25	1185.59	1185.84
MW-7	10/28/2009	1223.77	1225.94	1189.94	1179.94	40.18	40.16	0.02	1185.76	1185.78
MW-7	11/11/2009	1223.77	1225.94	1189.94	1179.94	41.09	41.08	0.01	1184.85	1184.86
MW-7	12/1/2009	1223.77	1225.94	1189.94	1179.94	40.34	40.33	0.01	1185.60	1185.61
MW-7	12/7/2009	1223.77	1225.94	1189.94	1179.94	40.22	40.20	0.02	1185.72	1185.74
MW-7	3/3/2010	1223.77	1225.94	1189.94	1179.94	40.94	40.40	0.54	1185.00	1185.54
MW-7	3/16/2010	1223.77	1225.94	1189.94	1179.94	39.72	39.70	0.02	1186.22	1186.24
MW-7	3/29/2010	1223.77	1225.94	1189.94	1179.94	40.00	39.90	0.10	1185.94	1186.04
MW-7	4/13/2010	1223.77	1225.94	1189.94	1179.94	40.20	40.20	0.00	1185.74	1185.74
MW-7	4/27/2010	1223.77	1225.94	1189.94	1179.94	40.14	40.13	0.01	1185.80	1185.81
MW-7	5/12/2010	1223.77	1225.94	1189.94	1179.94	39.83	39.80	0.03	1186.11	1186.14
MW-7	5/26/2010	1223.77	1225.94	1189.94	1179.94	39.80	39.78	0.02	1186.14	1186.16
MW-7	6/8/2010	1223.77	1225.94	1189.94	1179.94	40.08	40.04	0.04	1185.86	1185.90
MW-7	6/24/2010	1223.77	1225.94	1189.94	1179.94	39.68	39.65	0.03	1186.26	1186.29
MW-7	7/7/2010	1223.77	1225.94	1189.94	1179.94	39.70	39.69	0.01	1186.24	1186.25
MW-7	7/20/2010	1223.77	1225.94	1189.94	1179.94	39.49			1186.45	
MW-7	8/3/2010	1223.77	1225.94	1189.94	1179.94	39.56	39.54	0.02	1186.38	1186.40
MW-7	8/16/2010	1223.77	1225.94	1189.94	1179.94	39.20			1186.74	
MW-7	8/31/2010	1223.77	1225.94	1189.94	1179.94	39.42	39.42	0.00	1186.52	1186.52
MW-7	9/14/2010	1223.77	1225.94	1189.94	1179.94	39.40			1186.54	
MW-7	9/27/2010	1223.77	1225.94	1189.94	1179.94	38.94			1187.00	
MW-7	10/12/2010	1223.77	1225.94	1189.94	1179.94	39.15			1186.79	
MW-7	10/25/2010	1223.77	1225.94	1189.94	1179.94	39.14	39.13	0.01	1186.80	1186.81
MW-7	11/9/2010	1223.77	1225.94	1189.94	1179.94	38.78			1187.16	
MW-7	11/30/2010	1223.77	1225.94	1189.94	1179.94	38.76			1187.18	
MW-7	12/16/2010	1223.77	1225.94	1189.94	1179.94	38.83			1187.11	
MW-7	12/28/2010	1223.77	1225.94	1189.94	1179.94	38.86			1187.08	
MW-7	1/25/2011	1223.77	1225.94	1189.94	1179.94	39.03			1186.91	
MW-7	2/8/2011	1223.77	1225.94	1189.94	1179.94	39.05			1186.89	
MW-7	2/21/2011	1223.77	1225.94	1189.94	1179.94	39.08			1186.86	
MW-7	3/8/2011	1223.77	1225.94	1189.94	1179.94	39.15			1186.79	
MW-7	3/24/2011	1223.77	1225.94	1189.94	1179.94	38.72			1187.22	
MW-7	4/4/2011	1223.77	1225.94	1189.94	1179.94	38.69			1187.25	
MW-7	4/26/2011	1223.77	1225.94	1189.94	1179.94	38.48			1187.46	
MW-7	5/10/2011	1223.77	1225.94	1189.94	1179.94	38.44			1187.50	
MW-7	5/23/2011	1223.77	1225.94	1189.94	1179.94	38.33			1187.61	
MW-7	6/7/2011	1223.77	1225.94	1189.94	1179.94	38.41			1187.53	
MW-7	6/23/2011	1223.77	1225.94	1189.94	1179.94	38.27			1187.67	
MW-7	7/7/2011	1223.77	1225.94	1189.94	1179.94	38.49			1187.45	
MW-7	7/28/2011	1223.77	1225.94	1189.94	1179.94	39.02			1186.92	
MW-7	8/15/2011	1223.77	1225.94	1189.94	1179.94	38.52			1187.42	
MW-7	9/1/2011	1223.77	1225.94	1189.94	1179.94	38.59			1187.35	
MW-7	9/13/2011	1223.77	1225.94	1189.94	1179.94	38.73			1187.21	
MW-7	9/27/2011	1223.77	1225.94	1189.94	1179.94	38.79			1187.15	
MW-7	10/11/2011	1223.77	1225.94	1189.94	1179.94	38.85			1187.09	
MW-7	10/24/2011	1223.77	1225.94	1189.94	1179.94	38.88			1187.06	
MW-7	11/7/2011	1223.77	1225.94	1189.94	1179.94	38.84			1187.10	
MW-7	12/19/2011	1223.77	1225.94	1189.94	1179.94	38.98			1186.96	
MW-7	1/10/2012	1223.77	1225.94	1189.94	1179.94	39.04			1186.90	
MW-7	1/24/2012	1223.77	1225.94	1189.94	1179.94	39.20		trace	1186.74	
MW-7	2/6/2012	1223.77	1225.94	1189.94	1179.94	39.30			1186.64	
MW-7	2/20/2012	1223.77	1225.94	1189.94	1179.94	39.41	39.40	0.01	1186.53	1186.54
MW-7	3/6/2012	1223.77	1225.94	1189.94	1179.94	39.42	39.41	0.01	1186.52	1186.53

Table 2
 Ground Water Elevations/Product Thickness
 Enbridge Energy MP85
 Reichel Road, Town of Murry, Rusk County, Wisconsin
 WDNR BRRTS# 02-55-548746

Location	Date	Ground Surface Elevation	Top of Riser Elevation	Top of Screen Elevation	Bottom of Screen Elevation	Depth to Water (TOR)	Depth to Product	Product Thickness	Ground Water Elevation	Product Elevation
MW-7	3/26/2012	1223.77	1225.94	1189.94	1179.94	38.75			1187.19	
MW-7	4/10/2012	1223.77	1225.94	1189.94	1179.94	39.13			1186.81	
MW-7	4/23/2012	1223.77	1225.94	1189.94	1179.94	38.90			1187.04	
MW-7	5/7/2012	1223.77	1225.94	1189.94	1179.94	38.82			1187.12	
MW-7	5/22/2012	1223.77	1225.94	1189.94	1179.94	39.16			1186.78	
MW-7	6/5/2012	1223.77	1225.94	1189.94	1179.94	39.07			1186.87	
MW-7	6/20/2012	1223.77	1225.94	1189.94	1179.94	39.16			1186.78	
MW-7	7/18/2012	1223.77	1225.94	1189.94	1179.94	39.26	39.25	0.01	1186.68	1186.69
MW-7	7/30/2012	1223.77	1225.94	1189.94	1179.94	39.28	39.27	0.01	1186.66	1186.67
MW-7	8/12/2012	1223.77	1225.94	1189.94	1179.94	39.40	39.39	0.01	1186.54	1186.55
MW-7	8/29/2012	1223.77	1225.94	1189.94	1179.94	39.50	39.49	0.01	1186.44	1186.45
MW-7	9/12/2012	1223.77	1225.94	1189.94	1179.94	39.51	39.50	0.01	1186.43	1186.44
MW-7	9/25/2012	1223.77	1225.94	1189.94	1179.94	39.52	39.50	0.02	1186.42	1186.44
MW-7	10/16/2012	1223.77	1225.94	1189.94	1179.94	39.37	39.35	0.02	1186.57	1186.59
MW-7	10/30/2012	1223.77	1225.94	1189.94	1179.94	39.29	39.25	0.04	1186.65	1186.69
MW-7	11/12/2012	1223.77	1225.94	1189.94	1179.94	39.29	39.29	trace	1186.65	1186.65
MW-7	12/4/2012	1223.77	1225.94	1189.94	1179.94	39.32	39.32	trace	1186.62	1186.62
MW-7	12/17/2012	1223.77	1225.94	1189.94	1179.94	39.32	39.32	trace	1186.62	1186.62
MW-7	1/2/2013	1223.77	1225.94	1189.94	1179.94	39.44	39.44	trace	1186.50	1186.50
MW-7	1/15/2013	1223.77	1225.94	1189.94	1179.94	39.51	39.50	0.01	1186.43	1186.44
MW-7	1/29/2013	1223.77	1225.94	1189.94	1179.94	39.60	39.59	0.01	1186.34	1186.35
MW-7	2/12/2013	1223.77	1225.94	1189.94	1179.94	39.70	39.68	0.02	1186.24	1186.26
MW-7	2/25/2013	1223.77	1225.94	1189.94	1179.94	39.72	39.70	0.02	1186.22	1186.24
MW-7	3/12/2013	1223.77	1225.94	1189.94	1179.94	39.76	39.75	0.01	1186.18	1186.19
MW-7	3/25/2013	1223.77	1225.94	1189.94	1179.94	39.76	39.75	0.01	1186.18	1186.19
MW-7	4/9/2013	1223.77	1225.94	1189.94	1179.94	39.31	39.30	0.01	1186.63	1186.64
MW-7	4/22/2013	1223.77	1225.94	1189.94	1179.94	39.02			1186.92	
MW-7	5/9/2013	1223.77	1225.94	1189.94	1179.94	38.53			1187.41	
MW-7	6/19/2013	1223.77	1225.94	1189.94	1179.94	39.01			1186.93	
MW-7	7/17/2013	1223.77	1225.94	1189.94	1179.94	39.30	39.30	trace	1186.64	1186.64
MW-7	8/13/2013	1223.77	1225.94	1189.94	1179.94	39.58			1186.36	
MW-7	9/12/2013	1223.77	1225.94	1189.94	1179.94	39.80	39.80	trace	1186.14	1186.14
MW-7	10/31/2013	1223.77	1225.94	1189.94	1179.94	39.65			1186.29	
MW-7	11/13/2013	1223.77	1225.94	1189.94	1179.94	39.65			1186.29	
MW-7	12/18/2013	1223.77	1225.94	1189.94	1179.94	39.71			1186.23	
MW-7	1/21/2014	1223.77	1225.94	1189.94	1179.94	39.92	39.92	trace	1186.02	1186.02
MW-7	2/18/2014	1223.77	1225.94	1189.94	1179.94	40.06	40.05	0.01	1185.88	1185.89
MW-7	3/25/2014	1223.77	1225.94	1189.94	1179.94	40.11	40.09	0.02	1185.83	1185.85
MW-7	4/16/2014	1223.77	1225.94	1189.94	1179.94	38.98	38.98		1186.96	
MW-7	6/9/2014	1223.77	1225.94	1189.94	1179.94	39.60	39.58	0.02	1186.34	1186.36
MW-7	7/17/2014	1223.77	1225.94	1189.94	1179.94	38.75			1187.19	
MW-7	8/19/2014	1223.77	1225.94	1189.94	1179.94	38.97			1186.97	
MW-7	9/17/2014	1223.77	1225.94	1189.94	1179.94	38.65			1187.29	
MW-7	10/14/2014	1223.77	1225.94	1189.94	1179.94	38.84			1187.10	
MW-7	11/13/2014	1223.77	1225.94	1189.94	1179.94	38.91			1187.03	
MW-7	12/8/2014	1223.77	1225.94	1189.94	1179.94	38.90			1187.04	
MW-7	1/13/2015	1223.77	1225.94	1189.94	1179.94	38.99			1186.95	
MW-7	2/24/2015	1223.77	1225.94	1189.94	1179.94	39.33			1186.61	
MW-7	4/29/2015	1223.77	1225.94	1189.94	1179.94	38.09			1187.85	
MW-7	6/10/2015	1223.77	1225.94	1189.94	1179.94	38.63			1187.31	
MW-7	7/13/2015	1223.77	1225.94	1189.94	1179.94	38.70			1187.24	
MW-7	7/30/2015	1223.77	1225.94	1189.94	1179.94	39.02			1186.92	
MW-7	8/20/2015	1223.77	1225.94	1189.94	1179.94	38.98			1186.96	
MW-7	9/23/2015	1223.77	1225.94	1189.94	1179.94	38.99			1186.95	
MW-7	10/22/2015	1223.77	1225.94	1189.94	1179.94	39.18			1186.76	
MW-7	11/12/2015	1223.77	1225.94	1189.94	1179.94	37.71			1188.23	
MW-7	12/8/2015	1223.77	1225.94	1189.94	1179.94	38.58			1187.36	
MW-7	1/14/2016	1223.77	1225.94	1189.94	1179.94	38.65			1187.29	
MW-7	2/3/2016	1223.77	1225.94	1189.94	1179.94	38.88			1187.06	
MW-7	3/16/2016	1223.77	1225.94	1189.94	1179.94	38.45			1187.49	
MW-7	4/11/2016	1223.77	1225.94	1189.94	1179.94	38.58			1187.36	
MW-7	5/5/2016	1223.77	1225.94	1189.94	1179.94	38.40			1187.54	
MW-7	6/8/2016	1223.77	1225.94	1189.94	1179.94	38.10			1187.84	
MW-7	7/13/2016	1223.77	1225.94	1189.94	1179.94	38.39			1187.55	
MW-7	8/11/2016	1223.77	1225.94	1189.94	1179.94	38.60			1187.34	
MW-7	9/21/2016	1223.77	1225.94	1189.94	1179.94	38.78	38.77	0.01	1187.16	1187.17
MW-7	10/24/2016	1223.77	1225.94	1189.94	1179.94	38.81	38.80	0.01	1187.13	1187.14
MW-7	12/19/2016	1223.77	1225.94	1189.94	1179.94	38.78	38.78	trace	1187.16	1187.16
MW-7D	6/12/2007	1223.77	1226.04	1160.04	1155.04	39.54			1186.50	
MW-7D	6/21/2007	1223.77	1226.04	1160.04	1155.04	39.63			1186.41	
MW-7D	7/2/2007	1223.77	1226.04	1160.04	1155.04	39.77			1186.27	
MW-7D	7/24/2007	1223.77	1226.04	1160.04	1155.04	39.85			1186.19	
MW-7D	8/2/2007	1223.77	1226.04	1160.04	1155.04	39.85			1186.19	
MW-7D	8/9/2007	1223.77	1226.04	1160.04	1155.04	39.90			1186.14	
MW-7D	10/17/2007	1223.77	1226.04	1160.04	1155.04	39.40			1186.64	
MW-7D	11/9/2007	1223.77	1226.04	1160.04	1155.04	39.50			1186.54	
MW-7D	12/3/2007	1223.77	1226.04	1160.04	1155.04	39.51			1186.53	
MW-7D	1/14/2008	1223.77	1226.04	1160.04	1155.04	39.87			1186.17	
MW-7D	2/19/2008	1223.77	1226.04	1160.04	1155.04	40.00			1186.04	
MW-7D	03/11/2008	1223.77	1226.04	1160.04	1155.04	40.08			1185.96	
MW-7D	03/19/2008	1223.77	1226.04	1160.04	1155.04	40.12			1185.92	
MW-7D	03/24/2008	1223.77	1226.04	1160.04	1155.04	40.08			1185.96	

Table 2
Ground Water Elevations/Product Thickness
Enbridge Energy MP85
Reichel Road, Town of Murry, Rusk County, Wisconsin
WDNR BRRTS# 02-55-548746

Location	Date	Ground Surface Elevation	Top of Riser Elevation	Top of Screen Elevation	Bottom of Screen Elevation	Depth to Water (TOR)	Depth to Product	Product Thickness	Ground Water Elevation	Product Elevation
MW-7D	04/01/2008	1223.77	1226.04	1160.04	1155.04	40.00			1186.04	
MW-7D	06/10/2008	1223.77	1226.04	1160.04	1155.04	38.85			1187.19	
MW-7D	08/28/2008	1223.77	1226.04	1160.04	1155.04	39.33			1186.71	
MW-7D	03/25/2009	1223.77	1226.04	1160.04	1155.04	39.45			1186.59	
MW-7D	06/24/2009	1223.77	1226.04	1160.04	1155.04	40.00			1186.04	
MW-7D	9/15/2009	1223.77	1226.04	1160.04	1155.04	40.39			1185.65	
MW-7D	12/7/2009	1223.77	1226.04	1160.04	1155.04	40.37			1185.67	
MW-7D	3/29/2010	1223.77	1226.04	1160.04	1155.04	39.90			1186.14	
MW-7D	6/24/2010	1223.77	1226.04	1160.04	1155.04	39.65			1186.39	
MW-7D	9/27/2010	1223.77	1226.04	1160.04	1155.04	38.90			1187.14	
MW-7D	12/28/2010	1223.77	1226.04	1160.04	1155.04	38.81			1187.23	
MW-7D	3/24/2011	1223.77	1226.04	1160.04	1155.04	38.73			1187.31	
MW-7D	6/23/2011	1223.77	1226.04	1160.04	1155.04	38.28			1187.76	
MW-7D	10/11/2011	1223.77	1226.04	1160.04	1155.04	38.70			1187.34	
MW-7D	12/19/2011	1223.77	1226.04	1160.04	1155.04	38.96			1187.08	
MW-7D	3/26/2012	1223.77	1226.04	1160.04	1155.04	38.69			1187.35	
MW-7D	6/19/2012	1223.77	1226.04	1160.04	1155.04	39.03			1187.01	
MW-7D	9/25/2012	1223.77	1226.04	1160.04	1155.04	39.48			1186.56	
MW-7D	12/17/2012	1223.77	1226.04	1160.04	1155.04	39.34			1186.70	
MW-7D	3/25/2013	1223.77	1226.04	1160.04	1155.04	39.73			1186.31	
MW-7D	6/19/2013	1223.77	1226.04	1160.04	1155.04	38.91			1187.13	
MW-7D	9/12/2013	1223.77	1226.04	1160.04	1155.04	39.80			1186.24	
MW-7D	12/18/2013	1223.77	1226.04	1160.04	1155.04	39.70			1186.34	
MW-7D	3/25/2014	1223.77	1226.04	1160.04	1155.04	40.01			1186.03	
MW-7D	6/9/2014	1223.77	1226.04	1160.04	1155.04	38.47			1187.57	
MW-7D	12/8/2015									Converted to Sparge Point

MW-8	6/12/2007	1226.17	1227.68	1191.68	1181.68	41.04			1186.64	
MW-8	6/21/2007	1226.17	1227.68	1191.68	1181.68	41.12			1186.56	
MW-8	7/2/2007	1226.17	1227.68	1191.68	1181.68	41.28			1186.40	
MW-8	7/11/2007	1226.17	1227.68	1191.68	1181.68	41.28			1186.40	
MW-8	7/24/2007	1226.17	1227.68	1191.68	1181.68	41.33			1186.35	
MW-8	8/2/2007	1226.17	1227.68	1191.68	1181.68	41.36			1186.32	
MW-8	8/9/2007	1226.17	1227.68	1191.68	1181.68	41.40			1186.28	
MW-8	10/17/2007	1226.17	1227.68	1191.68	1181.68	40.92			1186.76	
MW-8	11/9/2007	1226.17	1227.68	1191.68	1181.68	41.01			1186.67	
MW-8	12/3/2007	1226.17	1227.68	1191.68	1181.68	41.04			1186.64	
MW-8	1/14/2008	1226.17	1227.68	1191.68	1181.68	41.38			1186.30	
MW-8	2/19/2008	1226.17	1227.68	1191.68	1181.68	41.58			1186.10	
MW-8	03/11/2008	1226.17	1227.68	1191.68	1181.68	41.65			1186.03	
MW-8	03/19/2008	1226.17	1227.68	1191.68	1181.68	41.66			1186.02	
MW-8	03/24/2008	1226.17	1227.68	1191.68	1181.68	41.61			1186.07	
MW-8	04/01/2008	1226.17	1227.68	1191.68	1181.68	41.52			1186.16	
MW-8	06/10/2008	1226.17	1227.68	1191.68	1181.68	40.51			1187.17	
MW-8	08/28/2008	1226.17	1227.68	1191.68	1181.68	40.84			1186.84	
MW-8	12/03/2008	1226.17	1227.68	1191.68	1181.68	40.63			1187.05	
MW-8	03/25/2009	1226.17	1227.68	1191.68	1181.68	41.97			1185.71	
MW-8	06/24/2009	1226.17	1227.68	1191.68	1181.68	41.47			1186.21	
MW-8	9/15/2009	1226.17	1227.68	1191.68	1181.68	41.87			1185.81	
MW-8	12/7/2009	1226.17	1227.68	1191.68	1181.68	41.88			1185.80	
MW-8	3/29/2010	1226.17	1227.68	1191.68	1181.68	41.32			1186.36	
MW-8	6/24/2010	1226.17	1227.68	1191.68	1181.68	41.14			1186.54	
MW-8	9/27/2010	1226.17	1227.68	1191.68	1181.68	40.25			1187.43	
MW-8	12/28/2010	1226.17	1227.68	1191.68	1181.68	40.30			1187.38	
MW-8	3/24/2011	1226.17	1227.68	1191.68	1181.68	40.21			1187.47	
MW-8	6/23/2011	1226.17	1227.68	1191.68	1181.68	39.73			1187.95	
MW-8	10/11/2011	1226.17	1227.68	1191.68	1181.68	40.21			1187.47	
MW-8	12/19/2011	1226.17	1227.68	1191.68	1181.68	40.60			1187.08	
MW-8	3/26/2012	1226.17	1227.68	1191.68	1181.68	40.23			1187.45	
MW-8	6/19/2012	1226.17	1227.68	1191.68	1181.68	40.01			1187.67	
MW-8	9/25/2012	1226.17	1227.68	1191.68	1181.68	40.99			1186.69	
MW-8	12/17/2012	1226.17	1227.68	1191.68	1181.68	40.81			1186.87	
MW-8	3/25/2013	1226.17	1227.68	1191.68	1181.68	41.18			1186.50	
MW-8	6/19/2013	1226.17	1227.68	1191.68	1181.68	40.46			1187.22	
MW-8	9/12/2013	1226.17	1227.68	1191.68	1181.68	41.30			1186.38	
MW-8	12/17/2013	1226.17	1227.68	1191.68	1181.68	41.25			1186.43	
MW-8	3/25/2014	1226.17	1227.68	1191.68	1181.68	41.79			1185.89	
MW-8	6/9/2014	1226.17	1227.68	1191.68	1181.68	40.20			1187.48	
MW-8	9/17/2014	1226.17	1227.68	1191.68	1181.68	40.22			1187.46	
MW-8	12/8/2014	1226.17	1227.68	1191.68	1181.68	40.59			1187.09	
MW-8	4/29/2015	1226.17	1227.68	1191.68	1181.68	40.53			1187.15	
MW-8	6/10/2015	1226.17	1227.68	1191.68	1181.68	40.27			1187.41	
MW-8	9/23/2015	1226.17	1227.68	1191.68	1181.68	40.59			1187.09	
MW-8	12/8/2015	1226.17	1227.68	1191.68	1181.68	40.10			1187.58	
MW-8	3/16/2016	1226.17	1227.68	1191.68	1181.68	40.25			1187.43	
MW-8	6/8/2016	1226.17	1227.68	1191.68	1181.68	39.80			1187.88	
MW-8	9/21/2016	1226.17	1227.68	1191.68	1181.68	40.45			1187.23	
MW-8	12/20/2016	1226.17	1227.68	1191.68	1181.68	40.50			1187.18	

MW-9	6/12/2007	1224.09	1225.67	1190.67	1180.67	38.66			1187.01	
MW-9	6/21/2007	1224.09	1225.67	1190.67	1180.67	38.76			1186.91	
MW-9	7/2/2007	1224.09	1225.67	1190.67	1180.67	38.91			1186.76	

Table 2
Ground Water Elevations/Product Thickness
Enbridge Energy MP85
Reichel Road, Town of Murry, Rusk County, Wisconsin
WDNR BRRTS# 02-55-548746

Location	Date	Ground Surface Elevation	Top of Riser Elevation	Top of Screen Elevation	Bottom of Screen Elevation	Depth to Water (TOR)	Depth to Product	Product Thickness	Ground Water Elevation	Product Elevation
MW-9	7/11/2007	1224.09	1225.67	1190.67	1180.67	38.90			1186.77	
MW-9	7/24/2007	1224.09	1225.67	1190.67	1180.67	38.96			1186.71	
MW-9	8/2/2007	1224.09	1225.67	1190.67	1180.67	38.93			1186.74	
MW-9	8/9/2007	1224.09	1225.67	1190.67	1180.67	39.03			1186.64	
MW-9	10/17/2007	1224.09	1225.67	1190.67	1180.67	38.56			1187.11	
MW-9	11/9/2007	1224.09	1225.67	1190.67	1180.67	38.65			1187.02	
MW-9	12/3/2007	1224.09	1225.67	1190.67	1180.67	38.65			1187.02	
MW-9	1/14/2008	1224.09	1225.67	1190.67	1180.67	38.95			1186.72	
MW-9	2/19/2008	1224.09	1225.67	1190.67	1180.67	39.13			1186.54	
MW-9	03/11/2008	1224.09	1225.67	1190.67	1180.67	39.22			1186.45	
MW-9	03/19/2008	1224.09	1225.67	1190.67	1180.67	39.24			1186.43	
MW-9	03/24/2008	1224.09	1225.67	1190.67	1180.67	39.21			1186.46	
MW-9	04/01/2008	1224.09	1225.67	1190.67	1180.67	39.16			1186.51	
MW-9	06/10/2008	1224.09	1225.67	1190.67	1180.67	38.12			1187.55	
MW-9	08/28/2008	1224.09	1225.67	1190.67	1180.67	38.37			1187.30	
MW-9	12/03/2008	1224.09	1225.67	1190.67	1180.67	38.29			1187.38	
MW-9	03/25/2009	1224.09	1225.67	1190.67	1180.67	39.52			1186.15	
MW-9	9/15/2009	1224.09	1225.67	1190.67	1180.67	39.48			1186.19	
MW-9	12/7/2009	1224.09	1225.67	1190.67	1180.67	39.47			1186.20	
MW-9	12/22/2009	1224.09	1225.67	1190.67	1180.67	39.49			1186.18	
MW-9	3/29/2010	1224.09	1225.67	1190.67	1180.67	38.99			1186.68	
MW-9	4/13/2010	1224.09	1225.67	1190.67	1180.67	39.20			1186.47	
MW-9	4/27/2010	1224.09	1225.67	1190.67	1180.67	39.15			1186.52	
MW-9	5/12/2010	1224.09	1225.67	1190.67	1180.67	39.18			1186.49	
MW-9	5/26/2010	1224.09	1225.67	1190.67	1180.67	39.14			1186.53	
MW-9	6/8/2010	1224.09	1225.67	1190.67	1180.67	39.26			1186.41	
MW-9	6/24/2010	1224.09	1225.67	1190.67	1180.67	38.81			1186.86	
MW-9	7/7/2010	1224.09	1225.67	1190.67	1180.67	38.86			1186.81	
MW-9	9/27/2010	1224.09	1225.67	1190.67	1180.67	37.81			1187.86	
MW-9	12/28/2010	1224.09	1225.67	1190.67	1180.67	37.73			1187.94	
MW-9	3/24/2011	1224.09	1225.67	1190.67	1180.67	37.78			1187.89	
MW-9	6/23/2011	1224.09	1225.67	1190.67	1180.67	37.20			1188.47	
MW-9	10/11/2011	1224.09	1225.67	1190.67	1180.67	37.61			1188.06	
MW-9	12/19/2011	1224.09	1225.67	1190.67	1180.67	37.93			1187.74	
MW-9	1/10/2012	1224.09	1225.67	1190.67	1180.67	39.96			1185.71	
MW-9	3/26/2012	1224.09	1225.67	1190.67	1180.67	37.73			1187.94	
MW-9	6/19/2012	1224.09	1225.67	1190.67	1180.67	37.93			1187.74	
MW-9	9/25/2012	1224.09	1225.67	1190.67	1180.67	38.44			1187.23	
MW-9	12/17/2012	1224.09	1225.67	1190.67	1180.67	38.30			1187.37	
MW-9	3/25/2013	1224.09	1225.67	1190.67	1180.67	38.79			1186.88	
MW-9	6/19/2013	1224.09	1225.67	1190.67	1180.67	37.86			1187.81	
MW-9	9/12/2013	1224.09	1225.67	1190.67	1180.67	38.72			1186.95	
MW-9	12/17/2013	1224.09	1225.67	1190.67	1180.67	38.75			1186.92	
MW-9	3/25/2014	1224.09	1225.67	1190.67	1180.67	39.12			1186.55	
MW-9	6/9/2014	1224.09	1225.67	1190.67	1180.67	37.43			1188.24	
MW-9	9/17/2014	1224.09	1225.67	1190.67	1180.67	37.52			1188.15	
MW-9	12/8/2014	1224.09	1225.67	1190.67	1180.67	37.95			1187.72	
MW-9	4/29/2015	1224.09	1225.67	1190.67	1180.67	37.76			1187.91	
MW-9	6/10/2015	1224.09	1225.67	1190.67	1180.67	37.59			1188.08	
MW-9	9/23/2015	1224.09	1225.67	1190.67	1180.67	37.87			1187.80	
MW-9	10/22/2015	1224.09	1225.67	1190.67	1180.67	38.09			1187.58	
MW-9	12/8/2015	1224.09	1225.67	1190.67	1180.67	37.37			1188.30	
MW-9	3/15/2016	1224.09	1225.67	1190.67	1180.67	37.45			1188.22	
MW-9	4/11/2016	1224.09	1225.67	1190.67	1180.67	37.41			1188.26	
MW-9	6/8/2016	1224.09	1225.67	1190.67	1180.67	36.94			1188.73	
MW-9	9/21/2016	1224.09	1225.67	1190.67	1180.67	37.56			1188.11	
MW-9	12/20/2016	1224.09	1225.67	1190.67	1180.67	37.64			1188.03	
MW-10	5/29/2007	1223.52	1225.30	1186.80	1176.80	38.50			1186.80	
MW-10	6/12/2007	1223.52	1225.30	1186.80	1176.80	38.50			1186.80	
MW-10	6/21/2007	1223.52	1225.30	1186.80	1176.80	38.59			1186.71	
MW-10	7/2/2007	1223.52	1225.30	1186.80	1176.80	38.76			1186.54	
MW-10	7/11/2007	1223.52	1225.30	1186.80	1176.80	38.74			1186.56	
MW-10	7/24/2007	1223.52	1225.30	1186.80	1176.80	38.81			1186.49	
MW-10	8/2/2007	1223.52	1225.30	1186.80	1176.80	38.82			1186.48	
MW-10	8/9/2007	1223.52	1225.30	1186.80	1176.80	38.86			1186.44	
MW-10	10/17/2007	1223.52	1225.30	1186.80	1176.80	38.39			1186.91	
MW-10	11/9/2007	1223.52	1225.30	1186.80	1176.80	38.48			1186.82	
MW-10	12/3/2007	1223.52	1225.30	1186.80	1176.80	38.48			1186.82	
MW-10	1/14/2008	1223.52	1225.30	1186.80	1176.80	38.80			1186.50	
MW-10	2/19/2008	1223.52	1225.30	1186.80	1176.80	38.98			1186.32	
MW-10	03/24/2008	1223.52	1225.30	1186.80	1176.80	39.06			1186.24	
MW-10	04/01/2008	1223.52	1225.30	1186.80	1176.80	39.01			1186.29	
MW-10	06/10/2008	1223.52	1225.30	1186.80	1176.80	37.95			1187.35	
MW-10	Abandoned									
MW-11	6/21/2007	1224.81	1226.87	1190.87	1180.87	40.36			1186.51	
MW-11	7/11/2007	1224.81	1226.87	1190.87	1180.87	40.50			1186.37	
MW-11	8/2/2007	1224.81	1226.87	1190.87	1180.87	40.58			1186.29	
MW-11	10/17/2007	1224.81	1226.87	1190.87	1180.87	40.28	40.08	0.20	1186.59	1186.79
MW-11	12/3/2007	1224.81	1226.87	1190.87	1180.87	40.56	40.19	0.37	1186.31	1186.68
MW-11	1/14/2008	1224.81	1226.87	1190.87	1180.87	41.28	40.47	0.81	1185.59	1186.40
MW-11	03/11/2008	1224.81	1226.87	1190.87	1180.87	41.60	40.63	0.97	1185.27	1186.24

Table 2
Ground Water Elevations/Product Thickness
Enbridge Energy MP85
Reichel Road, Town of Murry, Rusk County, Wisconsin
WDNR BRRTS# 02-55-548746

Location	Date	Ground Surface Elevation	Top of Riser Elevation	Top of Screen Elevation	Bottom of Screen Elevation	Depth to Water (TOR)	Depth to Product	Product Thickness	Ground Water Elevation	Product Elevation
MW-11	03/24/2008	1224.81	1226.87	1190.87	1180.87	41.58	40.56	1.02	1185.29	1186.31
MW-11	04/01/2008	1224.81	1226.87	1190.87	1180.87	40.73	40.70	0.03	1186.14	1186.17
MW-11	04/08/2008	1224.81	1226.87	1190.87	1180.87	40.24	40.24	0.00	1186.63	1186.63
MW-11	04/23/2008	1224.81	1226.87	1190.87	1180.87	39.77	39.77	0.00	1187.10	1187.10
MW-11	05/03/2008	1224.81	1226.87	1190.87	1180.87	39.66	39.66	0.00	1187.21	1187.21
MW-11	06/10/2008	1224.81	1226.87	1190.87	1180.87	39.69	39.67	0.02	1187.18	1187.20
MW-11	07/22/2008	1224.81	1226.87	1190.87	1180.87	39.89	39.89	0.00	1186.98	1186.98
MW-11	07/30/2008	1224.81	1226.87	1190.87	1180.87	39.81	39.81	0.00	1187.06	1187.06
MW-11	08/05/2008	1224.81	1226.87	1190.87	1180.87	39.88	39.88	0.00	1186.99	1186.99
MW-11	08/12/2008	1224.81	1226.87	1190.87	1180.87	39.90	39.89	0.01	1186.97	1186.98
MW-11	08/19/2008	1224.81	1226.87	1190.87	1180.87	39.92	39.92	0.00	1186.95	1186.95
MW-11	08/27/2008	1224.81	1226.87	1190.87	1180.87	39.92	39.92	0.00	1186.95	1186.95
MW-11	08/28/2008	1224.81	1226.87	1190.87	1180.87	40.00	40.00	0.00	1186.87	1186.87
MW-11	09/09/2008	1224.81	1226.87	1190.87	1180.87	40.04	40.02	0.02	1186.83	1186.85
MW-11	09/16/2008	1224.81	1226.87	1190.87	1180.87	40.05	40.03	0.02	1186.82	1186.84
MW-11	09/24/2008	1224.81	1226.87	1190.87	1180.87	40.05	40.03	0.02	1186.82	1186.84
MW-11	09/30/2008	1224.81	1226.87	1190.87	1180.87	40.01	40.01	0.00	1186.86	1186.86
MW-11	10/06/2008	1224.81	1226.87	1190.87	1180.87	39.93	39.93	0.00	1186.94	1186.94
MW-11	10/14/2008	1224.81	1226.87	1190.87	1180.87	39.90	39.90	0.00	1186.97	1186.97
MW-11	10/21/2008	1224.81	1226.87	1190.87	1180.87	39.82	39.80	0.02	1187.05	1187.07
MW-11	11/04/2008	1224.81	1226.87	1190.87	1180.87	39.74	39.68	0.06	1187.13	1187.19
MW-11	11/11/2008	1224.81	1226.87	1190.87	1180.87	39.75	39.65	0.10	1187.12	1187.22
MW-11	11/19/2008	1224.81	1226.87	1190.87	1180.87	39.72	39.68	0.04	1187.15	1187.19
MW-11	12/03/2008	1224.81	1226.87	1190.87	1180.87	40.36	39.72	0.64	1186.51	1187.15
MW-11	01/02/2009	1224.81	1226.87	1190.87	1180.87	40.02	39.97	0.05	1186.85	1186.90
MW-11	02/04/2009	1224.81	1226.87	1190.87	1180.87	40.11			1186.76	
MW-11	02/10/2009	1224.81	1226.87	1190.87	1180.87	40.12			1186.75	
MW-11	02/17/2009	1224.81	1226.87	1190.87	1180.87	40.14	40.13	0.01	1186.73	1186.74
MW-11	02/27/2009	1224.81	1226.87	1190.87	1180.87	40.12	40.11	0.01	1186.75	1186.76
MW-11	03/04/2009	1224.81	1226.87	1190.87	1180.87	40.24	40.22	0.02	1186.63	1186.65
MW-11	03/11/2009	1224.81	1226.87	1190.87	1180.87	40.21			1186.66	
MW-11	03/17/2009	1224.81	1226.87	1190.87	1180.87	40.12			1186.75	
MW-11	03/24/2009	1224.81	1226.87	1190.87	1180.87	39.95			1186.92	
MW-11	03/31/2009	1224.81	1226.87	1190.87	1180.87	40.01			1186.86	
MW-11	04/08/2009	1224.81	1226.87	1190.87	1180.87	40.11			1186.76	
MW-11	04/13/2009	1224.81	1226.87	1190.87	1180.87	40.04			1186.83	
MW-11	05/12/2009	1224.81	1226.87	1190.87	1180.87	40.16			1186.71	
MW-11	05/19/2009	1224.81	1226.87	1190.87	1180.87	40.41			1186.46	
MW-11	6/3/2009	1224.81	1226.87	1190.87	1180.87	40.52	40.50	0.02	1186.35	1186.37
MW-11	6/10/2009	1224.81	1226.87	1190.87	1180.87	40.51	40.49	0.02	1186.36	1186.38
MW-11	6/16/2009	1224.81	1226.87	1190.87	1180.87	40.62	40.61	0.01	1186.25	1186.26
MW-11	6/24/2009	1224.81	1226.87	1190.87	1180.87	40.65	40.64	0.01	1186.22	1186.23
MW-11	6/30/2009	1224.81	1226.87	1190.87	1180.87	40.28	40.26	0.02	1186.59	1186.61
MW-11	07/20/2009	1224.81	1226.87	1190.87	1180.87	40.86	40.20	0.66	1186.01	1186.67
MW-11	8/18/2009	1224.81	1226.87	1190.87	1180.87	40.90	40.88	0.02	1185.97	1185.99
MW-11	9/15/2009	1224.81	1226.87	1190.87	1180.87	41.03	40.99	0.04	1185.84	1185.88
MW-11	10/28/2009	1224.81	1226.87	1190.87	1180.87	40.75			1186.12	
MW-11	11/11/2009	1224.81	1226.87	1190.87	1180.87	40.77			1186.10	
MW-11	12/1/2009	1224.81	1226.87	1190.87	1180.87	40.94			1185.93	
MW-11	12/7/2009	1224.81	1226.87	1190.87	1180.87	40.98			1185.89	
MW-11	12/22/2009	1224.81	1226.87	1190.87	1180.87	40.99			1185.88	
MW-11	1/5/2010	1224.81	1226.87	1190.87	1180.87	41.99			1184.88	
MW-11	1/19/2010	1224.81	1226.87	1190.87	1180.87	42.01			1184.86	
MW-11	2/3/2010	1224.81	1226.87	1190.87	1180.87	41.00			1185.87	
MW-11	2/16/2010	1224.81	1226.87	1190.87	1180.87	41.02	41.01	0.01	1185.85	1185.86
MW-11	3/3/2010	1224.81	1226.87	1190.87	1180.87	41.01			1185.86	
MW-11	3/16/2010	1224.81	1226.87	1190.87	1180.87	40.28			1186.59	
MW-11	03/29/2010	1224.81	1226.87	1190.87	1180.87	40.50	40.50	0.01	1186.37	1186.38
MW-11	4/13/2010	1224.81	1226.87	1190.87	1180.87	40.74	40.72	0.02	1186.13	1186.15
MW-11	4/27/2010	1224.81	1226.87	1190.87	1180.87	40.72			1186.15	
MW-11	5/12/2010	1224.81	1226.87	1190.87	1180.87	40.65			1186.22	
MW-11	5/26/2010	1224.81	1226.87	1190.87	1180.87	40.60	40.60	0.00	1186.27	1186.27
MW-11	6/8/2010	1224.81	1226.87	1190.87	1180.87	40.72	40.72	0.00	1186.15	1186.15
MW-11	6/24/2010	1224.81	1226.87	1190.87	1180.87	40.28			1186.59	
MW-11	7/7/2010	1224.81	1226.87	1190.87	1180.87	40.34			1186.53	
MW-11	7/20/2010	1224.81	1226.87	1190.87	1180.87	40.06			1186.81	
MW-11	8/3/2010	1224.81	1226.87	1190.87	1180.87	40.11			1186.76	
MW-11	8/16/2010	1224.81	1226.87	1190.87	1180.87	39.77			1187.10	
MW-11	8/31/2010	1224.81	1226.87	1190.87	1180.87	39.99			1186.88	
MW-11	9/14/2010	1224.81	1226.87	1190.87	1180.87	40.01			1186.86	
MW-11	9/27/2010	1224.81	1226.87	1190.87	1180.87	39.48			1187.39	
MW-11	10/12/2010	1224.81	1226.87	1190.87	1180.87	39.76			1187.11	
MW-11	10/25/2010	1224.81	1226.87	1190.87	1180.87	39.70			1187.17	
MW-11	11/9/2010	1224.81	1226.87	1190.87	1180.87	39.30			1187.57	
MW-11	11/30/2010	1224.81	1226.87	1190.87	1180.87	39.29			1187.58	
MW-11	12/16/2010	1224.81	1226.87	1190.87	1180.87	39.36			1187.51	
MW-11	12/28/2010	1224.81	1226.87	1190.87	1180.87	39.37			1187.50	
MW-11	1/25/2011	1224.81	1226.87	1190.87	1180.87	39.52			1187.35	
MW-11	2/8/2011	1224.81	1226.87	1190.87	1180.87	39.60			1187.27	
MW-11	2/21/2011	1224.81	1226.87	1190.87	1180.87	39.62			1187.25	
MW-11	3/8/2011	1224.81	1226.87	1190.87	1180.87	39.72			1187.15	
MW-11	3/24/2011	1224.81	1226.87	1190.87	1180.87	39.32			1187.55	
MW-11	4/4/2011	1224.81	1226.87	1190.87	1180.87	39.30			1187.57	
MW-11	4/26/2011	1224.81	1226.87	1190.87	1180.87	39.02			1187.85	

Table 2
 Ground Water Elevations/Product Thickness
 Enbridge Energy MP85
 Reichel Road, Town of Murry, Rusk County, Wisconsin
 WDNR BRRTS# 02-55-548746

Location	Date	Ground Surface Elevation	Top of Riser Elevation	Top of Screen Elevation	Bottom of Screen Elevation	Depth to Water (TOR)	Depth to Product	Product Thickness	Ground Water Elevation	Product Elevation
MW-11	5/10/2011	1224.81	1226.87	1190.87	1180.87	38.89			1187.98	
MW-11	5/23/2011	1224.81	1226.87	1190.87	1180.87	38.93			1187.94	
MW-11	6/7/2011	1224.81	1226.87	1190.87	1180.87	38.85			1188.02	
MW-11	6/23/2011	1224.81	1226.87	1190.87	1180.87	38.82			1188.05	
MW-11	7/7/2011	1224.81	1226.87	1190.87	1180.87	39.08			1187.79	
MW-11	7/28/2011	1224.81	1226.87	1190.87	1180.87	39.14			1187.73	
MW-11	8/15/2011	1224.81	1226.87	1190.87	1180.87	39.00			1187.87	
MW-11	9/1/2011	1224.81	1226.87	1190.87	1180.87	39.04			1187.83	
MW-11	9/13/2011	1224.81	1226.87	1190.87	1180.87	39.18			1187.69	
MW-11	9/27/2011	1224.81	1226.87	1190.87	1180.87	39.26			1187.61	
MW-11	10/11/2011	1224.81	1226.87	1190.87	1180.87	39.25			1187.62	
MW-11	11/7/2011	1224.81	1226.87	1190.87	1180.87	39.30			1187.57	
MW-11	12/19/2011	1224.81	1226.87	1190.87	1180.87	39.40			1187.47	
MW-11	1/10/2012	1224.81	1226.87	1190.87	1180.87	39.44			1187.43	
MW-11	1/24/2012	1224.81	1226.87	1190.87	1180.87	39.69			1187.18	
MW-11	2/6/2012	1224.81	1226.87	1190.87	1180.87	39.79			1187.08	
MW-11	2/20/2012	1224.81	1226.87	1190.87	1180.87	39.90			1186.97	
MW-11	3/6/2012	1224.81	1226.87	1190.87	1180.87	39.40		trace	1187.47	
MW-11	4/10/2012	1224.81	1226.87	1190.87	1180.87	39.65			1187.22	
MW-11	5/7/2012	1224.81	1226.87	1190.87	1180.87	39.37			1187.50	
MW-11	6/5/2012	1224.81	1226.87	1190.87	1180.87	39.59			1187.28	
MW-11	6/19/2012	1224.81	1226.87	1190.87	1180.87	39.54			1187.33	
MW-11	7/18/2012	1224.81	1226.87	1190.87	1180.87	39.80			1187.07	
MW-11	8/12/2012	1224.81	1226.87	1190.87	1180.87	39.92			1186.95	
MW-11	9/12/2012	1224.81	1226.87	1190.87	1180.87	40.01			1186.86	
MW-11	9/25/2012	1224.81	1226.87	1190.87	1180.87	40.04			1186.83	
MW-11	10/16/2012	1224.81	1226.87	1190.87	1180.87	39.90			1186.97	
MW-11	11/12/2012	1224.81	1226.87	1190.87	1180.87	39.81			1187.06	
MW-11	12/4/2012	1224.81	1226.87	1190.87	1180.87	39.89			1186.98	
MW-11	12/17/2012	1224.81	1226.87	1190.87	1180.87	39.85			1187.02	
MW-11	1/2/2013	1224.81	1226.87	1190.87	1180.87	39.90			1186.97	
MW-11	1/15/2013	1224.81	1226.87	1190.87	1180.87	40.03			1186.84	
MW-11	1/29/2013	1224.81	1226.87	1190.87	1180.87	40.11			1186.76	
MW-11	2/12/2013	1224.81	1226.87	1190.87	1180.87	40.19			1186.68	
MW-11	2/25/2013	1224.81	1226.87	1190.87	1180.87	40.25			1186.62	
MW-11	3/12/2013	1224.81	1226.87	1190.87	1180.87	40.30			1186.57	
MW-11	3/25/2013	1224.81	1226.87	1190.87	1180.87	40.31			1186.56	
MW-11	4/9/2013	1224.81	1226.87	1190.87	1180.87	39.89			1186.98	
MW-11	4/22/2013	1224.81	1226.87	1190.87	1180.87	39.58			1187.29	
MW-11	5/9/2013	1224.81	1226.87	1190.87	1180.87	39.03			1187.84	
MW-11	6/19/2013	1224.81	1226.87	1190.87	1180.87	39.48			1187.39	
MW-11	7/17/2013	1224.81	1226.87	1190.87	1180.87	39.79			1187.08	
MW-11	8/13/2013	1224.81	1226.87	1190.87	1180.87	40.10			1186.77	
MW-11	9/12/2013	1224.81	1226.87	1190.87	1180.87	40.32			1186.55	
MW-11	10/31/2013	1224.81	1226.87	1190.87	1180.87	40.20			1186.67	
MW-11	11/13/2013	1224.81	1226.87	1190.87	1180.87	40.20			1186.67	
MW-11	12/18/2013	1224.81	1226.87	1190.87	1180.87	40.23			1186.64	
MW-11	1/21/2014	1224.81	1226.87	1190.87	1180.87	40.47			1186.40	
MW-11	2/18/2014	1224.81	1226.87	1190.87	1180.87	40.62			1186.25	
MW-11	3/25/2014	1224.81	1226.87	1190.87	1180.87	40.71			1186.16	
MW-11	4/16/2014	1224.81	1226.87	1190.87	1180.87	39.62			1187.25	
MW-11	6/9/2014	1224.81	1226.87	1190.87	1180.87	39.00			1187.87	
MW-11	7/17/2014	1224.81	1226.87	1190.87	1180.87	39.25			1187.62	
MW-11	8/19/2014	1224.81	1226.87	1190.87	1180.87	39.15			1187.72	
MW-11	9/17/2014	1224.81	1226.87	1190.87	1180.87	39.12			1187.75	
MW-11	10/14/2014	1224.81	1226.87	1190.87	1180.87	39.30			1187.57	
MW-11	11/13/2014	1224.81	1226.87	1190.87	1180.87	39.37			1187.50	
MW-11	12/8/2014	1224.81	1226.87	1190.87	1180.87	39.44			1187.43	
MW-11	1/13/2015	1224.81	1226.87	1190.87	1180.87	39.50			1187.37	
MW-11	2/24/2015	1224.81	1226.87	1190.87	1180.87	39.82			1187.05	
MW-11	4/29/2015	1224.81	1226.87	1190.87	1180.87	39.39			1187.48	
MW-11	6/10/2015	1224.81	1226.87	1190.87	1180.87	39.10			1187.77	
MW-11	7/13/2015	1224.81	1226.87	1190.87	1180.87	39.19			1187.68	
MW-11	7/30/2015	1224.81	1226.87	1190.87	1180.87	39.00			1187.87	
MW-11	8/20/2015	1224.81	1226.87	1190.87	1180.87	39.50			1187.37	
MW-11	9/23/2015	1224.81	1226.87	1190.87	1180.87	39.45			1187.42	
MW-11	10/22/2015	1224.81	1226.87	1190.87	1180.87	39.67			1187.20	
MW-11	11/12/2015	1224.81	1226.87	1190.87	1180.87	39.21			1187.66	
MW-11	12/8/2015	1224.81	1226.87	1190.87	1180.87	38.97			1187.90	
MW-11	1/14/2016	1224.81	1226.87	1190.87	1180.87	39.09			1187.78	
MW-11	2/3/2016	1224.81	1226.87	1190.87	1180.87	39.30			1187.57	
MW-11	3/15/2016	1224.81	1226.87	1190.87	1180.87	38.98			1187.89	
MW-11	4/11/2016	1224.81	1226.87	1190.87	1180.87	39.02			1187.85	
MW-11	5/5/2016	1224.81	1226.87	1190.87	1180.87	38.85			1188.02	
MW-11	6/8/2016	1224.81	1226.87	1190.87	1180.87	38.58			1188.29	
MW-11	7/13/2016	1224.81	1226.87	1190.87	1180.87	38.81			1188.06	
MW-11	8/11/2016	1224.81	1226.87	1190.87	1180.87	39.00			1187.87	
MW-11	9/21/2016	1224.81	1226.87	1190.87	1180.87	39.19			1187.68	
MW-11	10/24/2016	1224.81	1226.87	1190.87	1180.87	39.14			1187.73	
MW-11	12/6/2016	1224.81	1226.87	1190.87	1180.87	39.20			1187.67	
MW-11	12/20/2016	1224.81	1226.87	1190.87	1180.87	39.28			1187.59	
MW-12	7/25/2007	1223.28	1225.71	1189.71	1179.71	39.52			1186.19	

Table 2
Ground Water Elevations/Product Thickness
Enbridge Energy MP85
Reichel Road, Town of Murry, Rusk County, Wisconsin
WDNR BRRTS# 02-55-548746

Location	Date	Ground Surface Elevation	Top of Riser Elevation	Top of Screen Elevation	Bottom of Screen Elevation	Depth to Water (TOR)	Depth to Product	Product Thickness	Ground Water Elevation	Product Elevation
MW-12	8/2/2007	1223.28	1225.71	1189.71	1179.71	39.53			1186.18	
MW-12	8/9/2007	1223.28	1225.71	1189.71	1179.71	39.58			1186.13	
MW-12	10/17/2007	1223.28	1225.71	1189.71	1179.71	39.09			1186.62	
MW-12	11/9/2007	1223.28	1225.71	1189.71	1179.71	39.20			1186.51	
MW-12	12/3/2007	1223.28	1225.71	1189.71	1179.71	39.21			1186.50	
MW-12	1/14/2008	1223.28	1225.71	1189.71	1179.71	39.58			1186.13	
MW-12	2/19/2008	1223.28	1225.71	1189.71	1179.71	39.82			1185.89	
MW-12	03/24/2008	1223.28	1225.71	1189.71	1179.71	39.85			1185.86	
MW-12	04/01/2008	1223.28	1225.71	1189.71	1179.71	39.82			1185.89	
MW-12	06/10/2008	1223.28	1225.71	1189.71	1179.71	38.81			1186.90	
MW-12	08/28/2008	1223.28	1225.71	1189.71	1179.71	39.18			1186.53	
MW-12	12/03/2008	1223.28	1225.71	1189.71	1179.71	39.10			1186.61	
MW-12	03/25/2009	1223.28	1225.71	1189.71	1179.71	39.24			1186.47	
MW-12	03/31/2009	1223.28	1225.71	1189.71	1179.71	38.29			1187.42	
MW-12	04/08/2009	1223.28	1225.71	1189.71	1179.71	39.31			1186.40	
MW-12	04/13/2009	1223.28	1225.71	1189.71	1179.71	39.50			1186.21	
MW-12	05/12/2009	1223.28	1225.71	1189.71	1179.71	39.38			1186.33	
MW-12	05/19/2009	1223.28	1225.71	1189.71	1179.71	39.60			1186.11	
MW-12	6/3/2009	1223.28	1225.71	1189.71	1179.71	39.73			1185.98	
MW-12	6/10/2009	1223.28	1225.71	1189.71	1179.71	39.69			1186.02	
MW-12	6/16/2009	1223.28	1225.71	1189.71	1179.71	39.82			1185.89	
MW-12	6/24/2009	1223.28	1225.71	1189.71	1179.71	39.82			1185.89	
MW-12	6/30/2009	1223.28	1225.71	1189.71	1179.71	39.91			1185.80	
MW-12	7/8/2009	1223.28	1225.71	1189.71	1179.71	39.94			1185.77	
MW-12	7/20/2009	1223.28	1225.71	1189.71	1179.71	40.01			1185.70	
MW-12	8/4/2009	1223.28	1225.71	1189.71	1179.71	39.99			1185.72	
MW-12	8/18/2009	1223.28	1225.71	1189.71	1179.71	40.08			1185.63	
MW-12	9/1/2009	1223.28	1225.71	1189.71	1179.71	40.06			1185.65	
MW-12	9/15/2009	1223.28	1225.71	1189.71	1179.71	40.19			1185.52	
MW-12	9/29/2009	1223.28	1225.71	1189.71	1179.71	40.20			1185.51	
MW-12	10/28/2009	1223.28	1225.71	1189.71	1179.71	39.92			1185.79	
MW-12	11/11/2009	1223.28	1225.71	1189.71	1179.71	39.97			1185.74	
MW-12	12/1/2009	1223.28	1225.71	1189.71	1179.71	40.11			1185.60	
MW-12	12/7/2009	1223.28	1225.71	1189.71	1179.71	40.20			1185.51	
MW-12	12/22/2009	1223.28	1225.71	1189.71	1179.71	40.20			1185.51	
MW-12	1/5/2010	1223.28	1225.71	1189.71	1179.71	40.18			1185.53	
MW-12	2/3/2010	1223.28	1225.71	1189.71	1179.71	40.19			1185.52	
MW-12	2/16/2010	1223.28	1225.71	1189.71	1179.71	40.22			1185.49	
MW-12	3/3/2010	1223.28	1225.71	1189.71	1179.71	40.30			1185.41	
MW-12	3/16/2010	1223.28	1225.71	1189.71	1179.71	39.09			1186.62	
MW-12	3/30/2010	1223.28	1225.71	1189.71	1179.71	39.73			1185.98	
MW-12	4/13/2010	1223.28	1225.71	1189.71	1179.71	39.98			1185.73	
MW-12	4/27/2010	1223.28	1225.71	1189.71	1179.71	39.95			1185.76	
MW-12	5/12/2010	1223.28	1225.71	1189.71	1179.71	39.91			1185.80	
MW-12	5/26/2010	1223.28	1225.71	1189.71	1179.71	39.87			1185.84	
MW-12	6/8/2010	1223.28	1225.71	1189.71	1179.71	39.26			1186.45	
MW-12	6/24/2010	1223.28	1225.71	1189.71	1179.71	39.58			1186.13	
MW-12	7/7/2010	1223.28	1225.71	1189.71	1179.71	39.64			1186.07	
MW-12	7/20/2010	1223.28	1225.71	1189.71	1179.71	39.31			1186.40	
MW-12	8/3/2010	1223.28	1225.71	1189.71	1179.71	39.35			1186.36	
MW-12	8/16/2010	1223.28	1225.71	1189.71	1179.71	39.01			1186.70	
MW-12	8/31/2010	1223.28	1225.71	1189.71	1179.71	39.18			1186.53	
MW-12	9/14/2010	1223.28	1225.71	1189.71	1179.71	39.20			1186.51	
MW-12	9/27/2010	1223.28	1225.71	1189.71	1179.71	38.61			1187.10	
MW-12	10/12/2010	1223.28	1225.71	1189.71	1179.71	38.88			1186.83	
MW-12	10/25/2010	1223.28	1225.71	1189.71	1179.71	38.81			1186.90	
MW-12	11/19/2010	1223.28	1225.71	1189.71	1179.71	38.60			1187.11	
MW-12	11/30/2010	1223.28	1225.71	1189.71	1179.71	38.58			1187.13	
MW-12	12/16/2010	1223.28	1225.71	1189.71	1179.71	38.68			1187.03	
MW-12	12/28/2010	1223.28	1225.71	1189.71	1179.71	38.71			1187.00	
MW-12	1/25/2011	1223.28	1225.71	1189.71	1179.71	38.86			1186.85	
MW-12	2/8/2011	1223.28	1225.71	1189.71	1179.71	38.88			1186.83	
MW-12	2/21/2011	1223.28	1225.71	1189.71	1179.71	38.90			1186.81	
MW-12	3/24/2011	1223.28	1225.71	1189.71	1179.71	38.77			1186.94	
MW-12	4/4/2011	1223.28	1225.71	1189.71	1179.71	38.75			1186.96	
MW-12	4/26/2011	1223.28	1225.71	1189.71	1179.71	38.51			1187.20	
MW-12	5/10/2011	1223.28	1225.71	1189.71	1179.71	38.48			1187.23	
MW-12	5/23/2011	1223.28	1225.71	1189.71	1179.71	38.38			1187.33	
MW-12	6/7/2011	1223.28	1225.71	1189.71	1179.71	38.42			1187.29	
MW-12	6/23/2011	1223.28	1225.71	1189.71	1179.71	38.28			1187.43	
MW-12	7/7/2011	1223.28	1225.71	1189.71	1179.71	38.54			1187.17	
MW-12	8/15/2011	1223.28	1225.71	1189.71	1179.71	38.45			1187.26	
MW-12	9/1/2011	1223.28	1225.71	1189.71	1179.71	38.54			1187.17	
MW-12	9/13/2011	1223.28	1225.71	1189.71	1179.71	38.71			1187.00	
MW-12	9/27/2011	1223.28	1225.71	1189.71	1179.71	38.76			1186.95	
MW-12	10/11/2011	1223.28	1225.71	1189.71	1179.71	38.73			1186.98	
MW-12	12/19/2011	1223.28	1225.71	1189.71	1179.71	39.01			1186.70	
MW-12	1/10/2012	1223.28	1225.71	1189.71	1179.71	39.07			1186.64	
MW-12	1/24/2012	1223.28	1225.71	1189.71	1179.71	39.18			1186.53	
MW-12	2/6/2012	1223.28	1225.71	1189.71	1179.71	39.25			1186.46	
MW-12	2/20/2012	1223.28	1225.71	1189.71	1179.71	39.37			1186.34	
MW-12	3/6/2012	1223.28	1225.71	1189.71	1179.71	39.41			1186.30	
MW-12	3/26/2012	1223.28	1225.71	1189.71	1179.71	38.81			1186.90	
MW-12	4/10/2012	1223.28	1225.71	1189.71	1179.71	39.10			1186.61	

Table 2
Ground Water Elevations/Product Thickness
Enbridge Energy MP85
Reichel Road, Town of Murry, Rusk County, Wisconsin
WDNR BRRTS# 02-55-548746

Location	Date	Ground Surface Elevation	Top of Riser Elevation	Top of Screen Elevation	Bottom of Screen Elevation	Depth to Water (TOR)	Depth to Product	Product Thickness	Ground Water Elevation	Product Elevation
MW-12	4/23/2012	1223.28	1225.71	1189.71	1179.71	38.90			1186.81	
MW-12	5/7/2012	1223.28	1225.71	1189.71	1179.71	38.90			1186.81	
MW-12	5/22/2012	1223.28	1225.71	1189.71	1179.71	38.50			1187.21	
MW-12	6/5/2012	1223.28	1225.71	1189.71	1179.71	38.35			1187.36	
MW-12	6/19/2012	1223.28	1225.71	1189.71	1179.71	38.98			1186.73	
MW-12	7/18/2012	1223.28	1225.71	1189.71	1179.71	39.22			1186.49	
MW-12	7/30/2012	1223.28	1225.71	1189.71	1179.71	39.25			1186.46	
MW-12	8/12/2012	1223.28	1225.71	1189.71	1179.71	39.38			1186.33	
MW-12	8/29/2012	1223.28	1225.71	1189.71	1179.71	39.52			1186.19	
MW-12	9/12/2012	1223.28	1225.71	1189.71	1179.71	39.55			1186.16	
MW-12	9/25/2012	1223.28	1225.71	1189.71	1179.71	39.52			1186.19	
MW-12	10/16/2012	1223.28	1225.71	1189.71	1179.71	39.30			1186.41	
MW-12	10/30/2012	1223.28	1225.71	1189.71	1179.71	39.22			1186.49	
MW-12	11/12/2012	1223.28	1225.71	1189.71	1179.71	39.25			1186.46	
MW-12	12/4/2012	1223.28	1225.71	1189.71	1179.71	39.30			1186.41	
MW-12	12/17/2012	1223.28	1225.71	1189.71	1179.71	39.28			1186.43	
MW-12	1/2/2013	1223.28	1225.71	1189.71	1179.71	39.40			1186.31	
MW-12	1/29/2013	1223.28	1225.71	1189.71	1179.71	39.51			1186.20	
MW-12	2/12/2013	1223.28	1225.71	1189.71	1179.71	39.62			1186.09	
MW-12	2/25/2013	1223.28	1225.71	1189.71	1179.71	39.78			1185.93	
MW-12	3/12/2013	1223.28	1225.71	1189.71	1179.71	39.73			1185.98	
MW-12	3/25/2013	1223.28	1225.71	1189.71	1179.71	39.73			1185.98	
MW-12	4/9/2013	1223.28	1225.71	1189.71	1179.71	39.30			1186.41	
MW-12	4/22/2013	1223.28	1225.71	1189.71	1179.71	39.00			1186.71	
MW-12	5/9/2013	1223.28	1225.71	1189.71	1179.71	38.48			1187.23	
MW-12	6/19/2013	1223.28	1225.71	1189.71	1179.71	38.93			1186.78	
MW-12	7/17/2013	1223.28	1225.71	1189.71	1179.71	39.29			1186.42	
MW-12	8/13/2013	1223.28	1225.71	1189.71	1179.71	39.58			1186.13	
MW-12	9/12/2013	1223.28	1225.71	1189.71	1179.71	39.80			1185.91	
MW-12	10/31/2013	1223.28	1225.71	1189.71	1179.71	39.91			1185.80	
MW-12	11/13/2013	1223.28	1225.71	1189.71	1179.71	39.91			1185.80	
MW-12	12/17/2013	1223.28	1225.71	1189.71	1179.71	39.75			1185.96	
MW-12	1/21/2014	1223.28	1225.71	1189.71	1179.71	39.12			1186.59	
MW-12	2/18/2014	1223.28	1225.71	1189.71	1179.71	40.12			1185.59	
MW-12	3/25/2014	1223.28	1225.71	1189.71	1179.71	40.23			1185.48	
MW-12	4/16/2014	1223.28	1225.71	1189.71	1179.71	39.10			1186.61	
MW-12	6/9/2014	1223.28	1225.71	1189.71	1179.71	38.60			1187.11	
MW-12	7/17/2014	1223.28	1225.71	1189.71	1179.71	38.89			1186.82	
MW-12	8/19/2014	1223.28	1225.71	1189.71	1179.71	39.86			1185.85	
MW-12	9/17/2014	1223.28	1225.71	1189.71	1179.71	38.72			1186.99	
MW-12	10/14/2014	1223.28	1225.71	1189.71	1179.71	38.48			1187.23	
MW-12	11/13/2014	1223.28	1225.71	1189.71	1179.71	38.52			1187.19	
MW-12	12/8/2014	1223.28	1225.71	1189.71	1179.71	39.10			1186.61	
MW-12	1/13/2015	1223.28	1225.71	1189.71	1179.71	39.08			1186.63	
MW-12	2/24/2015	1223.28	1225.71	1189.71	1179.71	39.48			1186.23	
MW-12	4/29/2015	1223.28	1225.71	1189.71	1179.71	39.08			1186.63	
MW-12	6/10/2015	1223.28	1225.71	1189.71	1179.71	38.82			1186.89	
MW-12	7/13/2015	1223.28	1225.71	1189.71	1179.71	38.38			1187.33	
MW-12	7/30/2015	1223.28	1225.71	1189.71	1179.71	39.26			1186.45	
MW-12	8/20/2015	1223.28	1225.71	1189.71	1179.71	39.30			1186.41	
MW-12	9/23/2015	1223.28	1225.71	1189.71	1179.71	39.18			1186.53	
MW-12	6/8/2016	1223.28	1225.71	1189.71	1179.71	38.19			1187.52	
MW-12	7/13/2016	1223.28	1225.71	1189.71	1179.71	37.66			1188.05	
MW-12	8/11/2016	1223.28	1225.71	1189.71	1179.71	38.80			1186.91	
MW-12	9/21/2016	1223.28	1225.71	1189.71	1179.71	39.30			1186.41	
Removed										
MW-13	7/25/2007	1222.71	1224.67	1189.17	1179.17	38.62			1186.05	
MW-13	8/2/2007	1222.71	1224.67	1189.17	1179.17	38.62			1186.05	
MW-13	8/9/2007	1222.71	1224.67	1189.17	1179.17	38.66			1186.01	
MW-13	10/17/2007	1222.71	1224.67	1189.17	1179.17	38.21			1186.46	
MW-13	11/9/2007	1222.71	1224.67	1189.17	1179.17	38.32			1186.35	
MW-13	12/3/2007	1222.71	1224.67	1189.17	1179.17	38.30			1186.37	
MW-13	1/14/2008	1222.71	1224.67	1189.17	1179.17	38.63			1186.04	
MW-13	2/19/2008	1222.71	1224.67	1189.17	1179.17	38.84			1185.83	
MW-13	03/11/2008	1222.71	1224.67	1189.17	1179.17	38.89			1185.78	
MW-13	03/19/2008	1222.71	1224.67	1189.17	1179.17	38.93			1185.74	
MW-13	03/24/2008	1222.71	1224.67	1189.17	1179.17	38.90			1185.77	
MW-13	04/01/2008	1222.71	1224.67	1189.17	1179.17	38.82			1185.85	
MW-13	06/10/2008	1222.71	1224.67	1189.17	1179.17	37.80			1186.87	
MW-13	08/28/2008	1222.71	1224.67	1189.17	1179.17	38.18			1186.49	
MW-13	12/03/2008	1222.71	1224.67	1189.17	1179.17	37.97			1186.70	
MW-13	03/25/2009	1222.71	1224.67	1189.17	1179.17	38.19			1186.48	
MW-13	06/24/2009	1222.71	1224.67	1189.17	1179.17	38.78			1185.89	
MW-13	9/15/2009	1222.71	1224.67	1189.17	1179.17	39.18			1185.49	
MW-13	12/7/2009	1222.71	1224.67	1189.17	1179.17	39.18			1185.49	
MW-13	3/29/2010	1222.71	1224.67	1189.17	1179.17	38.64			1186.03	
MW-13	6/24/2010	1222.71	1224.67	1189.17	1179.17	38.46			1186.21	
MW-13	9/27/2010	1222.71	1224.67	1189.17	1179.17	37.57			1187.10	
MW-13	12/28/2010	1222.71	1224.67	1189.17	1179.17	37.64			1187.03	
MW-13	3/24/2011	1222.71	1224.67	1189.17	1179.17	37.54			1187.13	
MW-13	6/23/2011	1222.71	1224.67	1189.17	1179.17	37.03			1187.64	
MW-13	10/11/2011	1222.71	1224.67	1189.17	1179.17	37.50			1187.17	
MW-13	12/19/2011	1222.71	1224.67	1189.17	1179.17	37.80			1186.87	

Table 2
Ground Water Elevations/Product Thickness
Enbridge Energy MP85
Reichel Road, Town of Murry, Rusk County, Wisconsin
WDNR BRRTS# 02-55-548746

Location	Date	Ground Surface Elevation	Top of Riser Elevation	Top of Screen Elevation	Bottom of Screen Elevation	Depth to Water (TOR)	Depth to Product	Product Thickness	Ground Water Elevation	Product Elevation
MW-13	3/26/2012	1222.71	1224.67	1189.17	1179.17	37.49			1187.18	
MW-13	6/19/2012	1222.71	1224.67	1189.17	1179.17	37.72			1186.95	
MW-13	9/25/2012	1222.71	1224.67	1189.17	1179.17	38.28			1186.39	
MW-13	12/17/2012	1222.71	1224.67	1189.17	1179.17	38.03			1186.64	
MW-13	3/25/2013	1222.71	1224.67	1189.17	1179.17	38.51			1186.16	
MW-13	6/19/2013	1222.71	1224.67	1189.17	1179.17	37.71			1186.96	
MW-13	9/12/2013	1222.71	1224.67	1189.17	1179.17	38.22			1186.45	
MW-13	12/17/2013	1222.71	1224.67	1189.17	1179.17	38.45			1186.22	
MW-13	3/25/2014	1222.71	1224.67	1189.17	1179.17	38.86			1185.81	
MW-13	6/9/2014	1222.71	1224.67	1189.17	1179.17	37.25			1187.42	
MW-13	9/17/2014	1222.71	1224.67	1189.17	1179.17	37.38			1187.29	
MW-13	12/8/2014	1222.71	1224.67	1189.17	1179.17	37.76			1186.91	
MW-13	4/29/2015	1222.71	1224.67	1189.17	1179.17	40.85			1183.82	
MW-13	6/10/2015	1222.71	1224.67	1189.17	1179.17	37.66			1187.01	
MW-13	9/23/2015	1222.71	1224.67	1189.17	1179.17	37.67			1187.00	
MW-13	12/8/2015	1222.71	1224.67	1189.17	1179.17	37.32			1187.35	
MW-13	3/15/2016	1222.71	1224.67	1189.17	1179.17	37.61			1187.06	
MW-13	6/8/2016	1222.71	1224.67	1189.17	1179.17	37.23			1187.44	
MW-13	9/21/2016	1222.71	1224.67	1189.17	1179.17	37.94			1186.73	
MW-13	12/20/2016	1222.71	1224.67	1189.17	1179.17	37.91			1186.76	
MW-14	7/25/2007	1222.93	1225.20	1189.70	1179.70	39.21			1185.99	
MW-14	8/2/2007	1222.93	1225.20	1189.70	1179.70	39.22			1185.98	
MW-14	8/9/2007	1222.93	1225.20	1189.70	1179.70	39.28			1185.92	
MW-14	10/17/2007	1222.93	1225.20	1189.70	1179.70	38.79			1186.41	
MW-14	11/9/2007	1222.93	1225.20	1189.70	1179.70	38.87			1186.33	
MW-14	12/3/2007	1222.93	1225.20	1189.70	1179.70	38.90			1186.30	
MW-14	1/14/2008	1222.93	1225.20	1189.70	1179.70	39.26			1185.94	
MW-14	2/19/2008	1222.93	1225.20	1189.70	1179.70	39.40			1185.80	
MW-14	03/11/2008	1222.93	1225.20	1189.70	1179.70	39.45			1185.75	
MW-14	03/19/2008	1222.93	1225.20	1189.70	1179.70	39.49			1185.71	
MW-14	03/24/2008	1222.93	1225.20	1189.70	1179.70	39.46			1185.74	
MW-14	04/01/2008	1222.93	1225.20	1189.70	1179.70	39.37			1185.83	
MW-14	06/10/2008	1222.93	1225.20	1189.70	1179.70	38.37			1186.83	
MW-14	08/28/2008	1222.93	1225.20	1189.70	1179.70	38.75			1186.45	
MW-14	12/03/2008	1222.93	1225.20	1189.70	1179.70	38.53			1186.67	
MW-14	03/25/2009	1222.93	1225.20	1189.70	1179.70	38.86			1186.34	
MW-14	06/24/2009	1222.93	1225.20	1189.70	1179.70	39.36			1185.84	
MW-14	9/15/2009	1222.93	1225.20	1189.70	1179.70	39.75			1185.45	
MW-14	12/7/2009	1222.93	1225.20	1189.70	1179.70	39.72			1185.48	
MW-14	3/29/2010	1222.93	1225.20	1189.70	1179.70	39.18			1186.02	
MW-14	6/24/2010	1222.93	1225.20	1189.70	1179.70	39.10			1186.10	
MW-14	9/27/2010	1222.93	1225.20	1189.70	1179.70	38.18			1187.02	
MW-14	12/28/2010	1222.93	1225.20	1189.70	1179.70	38.17			1187.03	
MW-14	3/24/2011	1222.93	1225.20	1189.70	1179.70	38.13			1187.07	
MW-14	6/23/2011	1222.93	1225.20	1189.70	1179.70	37.65			1187.55	
MW-14	10/11/2011	1222.93	1225.20	1189.70	1179.70	38.06			1187.14	
MW-14	12/19/2011	1222.93	1225.20	1189.70	1179.70	38.29			1186.91	
MW-14	3/26/2012	1222.93	1225.20	1189.70	1179.70	38.12			1187.08	
MW-14	6/19/2012	1222.93	1225.20	1189.70	1179.70	38.33			1186.87	
MW-14	9/25/2012	1222.93	1225.20	1189.70	1179.70	38.85			1186.35	
MW-14	12/17/2012	1222.93	1225.20	1189.70	1179.70	38.59			1186.61	
MW-14	3/25/2013	1222.93	1225.20	1189.70	1179.70	39.06			1186.14	
MW-14	6/19/2013	1222.93	1225.20	1189.70	1179.70	38.30			1186.90	
MW-14	9/12/2013	1222.93	1225.20	1189.70	1179.70	39.11			1186.09	
MW-14	12/17/2013	1222.93	1225.20	1189.70	1179.70	39.07			1186.13	
MW-14	3/25/2014	1222.93	1225.20	1189.70	1179.70	39.45			1185.75	
MW-14	6/9/2014	1222.93	1225.20	1189.70	1179.70	37.82			1187.38	
MW-14	9/17/2014	1222.93	1225.20	1189.70	1179.70	37.99			1187.21	
MW-14	12/8/2014	1222.93	1225.20	1189.70	1179.70	38.32			1186.88	
MW-14	4/29/2015	1222.93	1225.20	1189.70	1179.70	38.19			1187.01	
MW-14	6/10/2015	1222.93	1225.20	1189.70	1179.70	38.00			1187.20	
MW-14	9/23/2015	1222.93	1225.20	1189.70	1179.70	38.28			1186.92	
MW-14	12/8/2015	1222.93	1225.20	1189.70	1179.70	37.83			1187.37	
MW-14	3/15/2016	1222.93	1225.20	1189.70	1179.70	37.75			1187.45	
MW-14	6/8/2016	1222.93	1225.20	1189.70	1179.70	37.39			1187.81	
MW-14	9/21/2016	1222.93	1225.20	1189.70	1179.70	38.11			1187.09	
MW-14	12/20/2016	1222.93	1225.20	1189.70	1179.70	38.19			1187.01	
MW-15	10/17/2007	1220.34	1222.53	1188.03	1178.03	36.56			1185.97	
MW-15	11/9/2007	1220.34	1222.53	1188.03	1178.03	36.67			1185.86	
MW-15	12/3/2007	1220.34	1222.53	1188.03	1178.03	36.70			1185.83	
MW-15	1/14/2008	1220.34	1222.53	1188.03	1178.03	37.04			1185.49	
MW-15	2/19/2008	1220.34	1222.53	1188.03	1178.03	37.20			1185.33	
MW-15	03/11/2008	1220.34	1222.53	1188.03	1178.03	37.24			1185.29	
MW-15	03/19/2008	1220.34	1222.53	1188.03	1178.03	37.27			1185.26	
MW-15	03/24/2008	1220.34	1222.53	1188.03	1178.03	37.23			1185.30	
MW-15	04/01/2008	1220.34	1222.53	1188.03	1178.03	37.11			1185.42	
MW-15	05/03/2008	1220.34	1222.53	1188.03	1178.03	36.07			1186.46	
MW-15	06/10/2008	1220.34	1222.53	1188.03	1178.03	35.51			1187.02	
MW-15	08/28/2008	1220.34	1222.53	1188.03	1178.03	36.61			1185.92	
MW-15	12/03/2008	1220.34	1222.53	1188.03	1178.03	36.34			1186.19	

Table 2
Ground Water Elevations/Product Thickness
Enbridge Energy MP85
Reichel Road, Town of Murry, Rusk County, Wisconsin
WDNR BRRTS# 02-55-548746

Location	Date	Ground Surface Elevation	Top of Riser Elevation	Top of Screen Elevation	Bottom of Screen Elevation	Depth to Water (TOR)	Depth to Product	Product Thickness	Ground Water Elevation	Product Elevation
MW-15	03/25/2009	1220.34	1222.53	1188.03	1178.03	36.68			1185.85	
MW-15	03/31/2009	1220.34	1222.53	1188.03	1178.03	36.61			1185.92	
MW-15	04/08/2009	1220.34	1222.53	1188.03	1178.03	36.65			1185.88	
MW-15	04/13/2009	1220.34	1222.53	1188.03	1178.03	36.76			1185.77	
MW-15	05/12/2009	1220.34	1222.53	1188.03	1178.03	36.87			1185.66	
MW-15	05/19/2009	1220.34	1222.53	1188.03	1178.03	36.90			1185.63	
MW-15	6/3/2009	1220.34	1222.53	1188.03	1178.03	37.10			1185.43	
MW-15	6/10/2009	1220.34	1222.53	1188.03	1178.03	37.01			1185.52	
MW-15	6/16/2009	1220.34	1222.53	1188.03	1178.03	37.17			1185.36	
MW-15	6/24/2009	1220.34	1222.53	1188.03	1178.03	37.19			1185.34	
MW-15	6/30/2009	1220.34	1222.53	1188.03	1178.03	37.25			1185.28	
MW-15	7/8/2009	1220.34	1222.53	1188.03	1178.03	37.34			1185.19	
MW-15	7/20/2009	1220.34	1222.53	1188.03	1178.03	37.39			1185.14	
MW-15	8/4/2009	1220.34	1222.53	1188.03	1178.03	37.34			1185.19	
MW-15	8/18/2009	1220.34	1222.53	1188.03	1178.03	37.47			1185.06	
MW-15	9/1/2009	1220.34	1222.53	1188.03	1178.03	37.46			1185.07	
MW-15	9/15/2009	1220.34	1222.53	1188.03	1178.03	37.55			1184.98	
MW-15	9/29/2009	1220.34	1222.53	1188.03	1178.03	37.56			1184.97	
MW-15	10/28/2009	1220.34	1222.53	1188.03	1178.03	37.22			1185.31	
MW-15	11/11/2009	1220.34	1222.53	1188.03	1178.03	37.34			1185.19	
MW-15	12/1/2009	1220.34	1222.53	1188.03	1178.03	37.43			1185.10	
MW-15	12/7/2009	1220.34	1222.53	1188.03	1178.03	37.52			1185.01	
MW-15	12/22/2009	1220.34	1222.53	1188.03	1178.03	37.64			1184.89	
MW-15	1/5/2010	1220.34	1222.53	1188.03	1178.03	37.50			1185.03	
MW-15	1/19/2010	1220.34	1222.53	1188.03	1178.03	37.54			1184.99	
MW-15	2/3/2010	1220.34	1222.53	1188.03	1178.03	37.55			1184.98	
MW-15	2/16/2010	1220.34	1222.53	1188.03	1178.03	37.55			1184.98	
MW-15	3/3/2010	1220.34	1222.53	1188.03	1178.03	37.57			1184.96	
MW-15	3/16/2010	1220.34	1222.53	1188.03	1178.03	36.55			1185.98	
MW-15	3/29/2010	1220.34	1222.53	1188.03	1178.03	37.00			1185.53	
MW-15	4/13/2010	1220.34	1222.53	1188.03	1178.03	37.25			1185.28	
MW-15	4/27/2010	1220.34	1222.53	1188.03	1178.03	37.23			1185.30	
MW-15	5/12/2010	1220.34	1222.53	1188.03	1178.03	37.20			1185.33	
MW-15	5/26/2010	1220.34	1222.53	1188.03	1178.03	37.15			1185.38	
MW-15	6/8/2010	1220.34	1222.53	1188.03	1178.03	37.25			1185.28	
MW-15	6/24/2010	1220.34	1222.53	1188.03	1178.03	36.81			1185.72	
MW-15	7/7/2010	1220.34	1222.53	1188.03	1178.03	36.85			1185.68	
MW-15	7/20/2010	1220.34	1222.53	1188.03	1178.03	36.63			1185.90	
MW-15	8/3/2010	1220.34	1222.53	1188.03	1178.03	36.70			1185.83	
MW-15	8/16/2010	1220.34	1222.53	1188.03	1178.03	36.21			1186.32	
MW-15	8/31/2010	1220.34	1222.53	1188.03	1178.03	36.61			1185.92	
MW-15	9/14/2010	1220.34	1222.53	1188.03	1178.03	36.63			1185.90	
MW-15	9/27/2010	1220.34	1222.53	1188.03	1178.03	35.94			1186.59	
MW-15	10/12/2010	1220.34	1222.53	1188.03	1178.03	36.33			1186.20	
MW-15	10/25/2010	1220.34	1222.53	1188.03	1178.03	36.25			1186.28	
MW-15	11/19/2010	1220.34	1222.53	1188.03	1178.03	36.03			1186.50	
MW-15	11/30/2010	1220.34	1222.53	1188.03	1178.03	36.02			1186.51	
MW-15	12/16/2010	1220.34	1222.53	1188.03	1178.03	36.12			1186.41	
MW-15	12/28/2010	1220.34	1222.53	1188.03	1178.03	36.16			1186.37	
MW-15	1/25/2011	1220.34	1222.53	1188.03	1178.03	36.28			1186.25	
MW-15	2/8/2011	1220.34	1222.53	1188.03	1178.03	36.35			1186.18	
MW-15	2/21/2011	1220.34	1222.53	1188.03	1178.03	36.37			1186.16	
MW-15	3/8/2011	1220.34	1222.53	1188.03	1178.03	36.45			1186.08	
MW-15	3/24/2011	1220.34	1222.53	1188.03	1178.03	35.95			1186.58	
MW-15	4/4/2011	1220.34	1222.53	1188.03	1178.03	36.01			1186.52	
MW-15	4/26/2011	1220.34	1222.53	1188.03	1178.03	35.72			1186.81	
MW-15	5/10/2011	1220.34	1222.53	1188.03	1178.03	35.69			1186.84	
MW-15	5/23/2011	1220.34	1222.53	1188.03	1178.03	35.51			1187.02	
MW-15	6/7/2011	1220.34	1222.53	1188.03	1178.03	35.65			1186.88	
MW-15	6/23/2011	1220.34	1222.53	1188.03	1178.03	35.53			1187.00	
MW-15	7/7/2011	1220.34	1222.53	1188.03	1178.03	35.83			1186.70	
MW-15	7/28/2011	1220.34	1222.53	1188.03	1178.03	35.92			1186.61	
MW-15	8/15/2011	1220.34	1222.53	1188.03	1178.03	35.77			1186.76	
MW-15	9/1/2011	1220.34	1222.53	1188.03	1178.03	35.84			1186.69	
MW-15	9/13/2011	1220.34	1222.53	1188.03	1178.03	36.03			1186.50	
MW-15	9/27/2011	1220.34	1222.53	1188.03	1178.03	36.06			1186.47	
MW-15	10/11/2011	1220.34	1222.53	1188.03	1178.03	36.00			1186.53	
MW-15	12/19/2011	1220.34	1222.53	1188.03	1178.03	36.18			1186.35	
MW-15	1/10/2012	1220.34	1222.53	1188.03	1178.03	36.25			1186.28	
MW-15	1/24/2012	1220.34	1222.53	1188.03	1178.03	36.39			1186.14	
MW-15	2/6/2012	1220.34	1222.53	1188.03	1178.03	36.45			1186.08	
MW-15	2/20/2012	1220.34	1222.53	1188.03	1178.03	36.58			1185.95	
MW-15	3/6/2012	1220.34	1222.53	1188.03	1178.03	36.59			1185.94	
MW-15	3/26/2012	1220.34	1222.53	1188.03	1178.03	35.97			1186.56	
MW-15	4/10/2012	1220.34	1222.53	1188.03	1178.03	36.30			1186.23	
MW-15	4/23/2012	1220.34	1222.53	1188.03	1178.03	36.09			1186.44	
MW-15	5/7/2012	1220.34	1222.53	1188.03	1178.03	36.02			1186.51	
MW-15	5/22/2012	1220.34	1222.53	1188.03	1178.03	36.32			1186.21	
MW-15	6/5/2012	1220.34	1222.53	1188.03	1178.03	36.26			1186.27	
MW-15	6/19/2012	1220.34	1222.53	1188.03	1178.03	36.17			1186.36	
MW-15	7/18/2012	1220.34	1222.53	1188.03	1178.03	36.50			1186.03	
MW-15	7/30/2012	1220.34	1222.53	1188.03	1178.03	36.48			1186.05	
MW-15	8/12/2012	1220.34	1222.53	1188.03	1178.03	36.62			1185.91	
MW-15	8/29/2012	1220.34	1222.53	1188.03	1178.03	36.72			1185.81	

Table 2
Ground Water Elevations/Product Thickness
Enbridge Energy MP85
Reichel Road, Town of Murry, Rusk County, Wisconsin
WDNR BRRTS# 02-55-548746

Location	Date	Ground Surface Elevation	Top of Riser Elevation	Top of Screen Elevation	Bottom of Screen Elevation	Depth to Water (TOR)	Depth to Product	Product Thickness	Ground Water Elevation	Product Elevation
MW-15	9/12/2012	1220.34	1222.53	1188.03	1178.03	36.73			1185.80	
MW-15	9/25/2012	1220.34	1222.53	1188.03	1178.03	36.72			1185.81	
MW-15	10/16/2012	1220.34	1222.53	1188.03	1178.03	36.50			1186.03	
MW-15	10/30/2012	1220.34	1222.53	1188.03	1178.03	36.39			1186.14	
MW-15	11/12/2012	1220.34	1222.53	1188.03	1178.03	36.40			1186.13	
MW-15	12/4/2012	1220.34	1222.53	1188.03	1178.03	36.45			1186.08	
MW-15	12/17/2012	1220.34	1222.53	1188.03	1178.03	36.42			1186.11	
MW-15	1/2/2013	1220.34	1222.53	1188.03	1178.03	36.59			1185.94	
MW-15	1/15/2013	1220.34	1222.53	1188.03	1178.03	36.65			1185.88	
MW-15	1/29/2013	1220.34	1222.53	1188.03	1178.03	36.73			1185.80	
MW-15	2/12/2013	1220.34	1222.53	1188.03	1178.03	36.79			1185.74	
MW-15	2/25/2013	1220.34	1222.53	1188.03	1178.03	36.85			1185.68	
MW-15	3/12/2013	1220.34	1222.53	1188.03	1178.03	36.90			1185.63	
MW-15	3/25/2013	1220.34	1222.53	1188.03	1178.03	36.90			1185.63	
MW-15	4/9/2013	1220.34	1222.53	1188.03	1178.03	36.34			1186.19	
MW-15	4/22/2013	1220.34	1222.53	1188.03	1178.03	36.09			1186.44	
MW-15	5/9/2013	1220.34	1222.53	1188.03	1178.03	35.48			1187.05	
MW-15	6/19/2013	1220.34	1222.53	1188.03	1178.03	36.25			1186.28	
MW-15	7/17/2013	1220.34	1222.53	1188.03	1178.03	36.54			1185.99	
MW-15	8/13/2013	1220.34	1222.53	1188.03	1178.03	37.20			1185.33	
MW-15	9/12/2013	1220.34	1222.53	1188.03	1178.03	37.00			1185.53	
MW-15	10/31/2013	1220.34	1222.53	1188.03	1178.03	36.80			1185.73	
MW-15	11/13/2013	1220.34	1222.53	1188.03	1178.03	36.80			1185.73	
MW-15	12/17/2013	1220.34	1222.53	1188.03	1178.03	36.90			1185.63	
MW-15	1/21/2014	1220.34	1222.53	1188.03	1178.03	37.06			1185.47	
MW-15	2/18/2014	1220.34	1222.53	1188.03	1178.03	37.19			1185.34	
MW-15	3/25/2014	1220.34	1222.53	1188.03	1178.03	37.28			1185.25	
MW-15	4/16/2014	1220.34	1222.53	1188.03	1178.03	36.03			1186.50	
MW-15	6/9/2014	1220.34	1222.53	1188.03	1178.03	35.70			1186.83	
MW-15	7/17/2014	1220.34	1222.53	1188.03	1178.03	36.09			1186.44	
MW-15	8/19/2014	1220.34	1222.53	1188.03	1178.03	36.19			1186.34	
MW-15	9/17/2014	1220.34	1222.53	1188.03	1178.03	35.88			1186.65	
MW-15	10/14/2014	1220.34	1222.53	1188.03	1178.03	36.06			1186.47	
MW-15	11/13/2014	1220.34	1222.53	1188.03	1178.03	36.05			1186.48	
MW-15	12/8/2014	1220.34	1222.53	1188.03	1178.03	36.18			1186.35	
MW-15	1/13/2015	1220.34	1222.53	1188.03	1178.03	36.16			1186.37	
MW-15	2/24/2015	1220.34	1222.53	1188.03	1178.03	36.52			1186.01	
MW-15	4/29/2015	1220.34	1222.53	1188.03	1178.03	36.07			1186.46	
MW-15	6/10/2015	1220.34	1222.53	1188.03	1178.03	35.86			1186.67	
MW-15	7/13/2015	1220.34	1222.53	1188.03	1178.03	35.99			1186.54	
MW-15	7/30/2015	1220.34	1222.53	1188.03	1178.03	36.24			1186.29	
MW-15	8/20/2015	1220.34	1222.53	1188.03	1178.03	36.15			1186.38	
MW-15	9/23/2015	1220.34	1222.53	1188.03	1178.03	36.18			1186.35	
MW-15	10/22/2015	1220.34	1222.53	1188.03	1178.03	36.43			1186.10	
MW-15	11/12/2015	1220.34	1222.53	1188.03	1178.03	35.71			1186.82	
MW-15	12/8/2015	1220.34	1222.53	1188.03	1178.03	35.81			1186.72	
MW-15	1/14/2016	1220.34	1222.53	1188.03	1178.03	35.95			1186.58	
MW-15	2/3/2016	1220.34	1222.53	1188.03	1178.03	36.18			1186.35	
MW-15	3/16/2016	1220.34	1222.53	1188.03	1178.03	35.85			1186.68	
MW-15	4/11/2016	1220.34	1222.53	1188.03	1178.03	35.85			1186.68	
MW-15	5/5/2016	1220.34	1222.53	1188.03	1178.03	35.78			1186.75	
MW-15	6/8/2016	1220.34	1222.53	1188.03	1178.03	35.35			1187.18	
MW-15	7/13/2016	1220.34	1222.53	1188.03	1178.03	35.69			1186.84	
MW-15	8/11/2016	1220.34	1222.53	1188.03	1178.03	35.89			1186.64	
MW-15	9/21/2016	1220.34	1222.53	1188.03	1178.03	36.08			1186.45	
MW-15	10/24/2016	1220.34	1222.53	1188.03	1178.03	39.98			1182.55	
MW-15	12/6/2016	1220.34	1222.53	1188.03	1178.03	36.05			1186.48	
MW-15	12/20/2016	1220.34	1222.53	1188.03	1178.03	36.07			1186.46	
MW-15D	03/24/2008	1221.20	1223.46	1155.96	1150.96	39.00			1184.46	
MW-15D	04/01/2008	1221.20	1223.46	1155.96	1150.96	38.81			1184.65	
MW-15D	06/10/2008	1221.20	1223.46	1155.96	1150.96	37.39			1186.07	
MW-15D	08/28/2008	1221.20	1223.46	1155.96	1150.96	38.40			1185.06	
MW-15D	12/03/2008	1221.20	1223.46	1155.96	1150.96	38.00			1185.46	
MW-15D	03/25/2009	1221.20	1223.46	1155.96	1150.96	38.22			1185.24	
MW-15D	06/24/2009	1221.20	1223.46	1155.96	1150.96	38.91			1184.55	
MW-15D	9/15/2009	1221.20	1223.46	1155.96	1150.96	39.27			1184.19	
MW-15D	12/7/2009	1221.20	1223.46	1155.96	1150.96	39.20			1184.26	
MW-15D	3/29/2010	1221.20	1223.46	1155.96	1150.96	38.66			1184.80	
MW-15D	6/24/2010	1221.20	1223.46	1155.96	1150.96	38.40			1185.06	
MW-15D	9/27/2010	1221.20	1223.46	1155.96	1150.96	37.78			1185.68	
MW-15D	12/28/2010	1221.20	1223.46	1155.96	1150.96	38.06			1185.40	
MW-15D	3/24/2011	1221.20	1223.46	1155.96	1150.96	37.93			1185.53	
MW-15D	6/23/2011	1221.20	1223.46	1155.96	1150.96	37.44			1186.02	
MW-15D	10/11/2011	1221.20	1223.46	1155.96	1150.96	37.89			1185.57	
MW-15D	12/19/2011	1221.20	1223.46	1155.96	1150.96	38.02			1185.44	
MW-15D	3/26/2012	1221.20	1223.46	1155.96	1150.96	37.79			1185.67	
MW-15D	6/19/2012	1221.20	1223.46	1155.96	1150.96	37.97			1185.49	
MW-15D	9/25/2012	1221.20	1223.46	1155.96	1150.96	38.55			1184.91	
MW-15D	12/17/2012	1221.20	1223.46	1155.96	1150.96	38.19			1185.27	
MW-15D	3/25/2013	1221.20	1223.46	1155.96	1150.96	38.65			1184.81	
MW-15D	6/19/2013	1221.20	1223.46	1155.96	1150.96	36.30			1187.16	
MW-15D	9/12/2013	1221.20	1223.46	1155.96	1150.96	38.85			1184.61	

Table 2
 Ground Water Elevations/Product Thickness
 Enbridge Energy MP85
 Reichel Road, Town of Murry, Rusk County, Wisconsin
 WDNR BRRTS# 02-55-548746

Location	Date	Ground Surface Elevation	Top of Riser Elevation	Top of Screen Elevation	Bottom of Screen Elevation	Depth to Water (TOR)	Depth to Product	Product Thickness	Ground Water Elevation	Product Elevation
MW-15D	12/17/2013	1221.20	1223.46	1155.96	1150.96	38.70			1184.76	
MW-15D	3/25/2014	1221.20	1223.46	1155.96	1150.96	39.08			1184.38	
MW-15D	6/9/2014	1221.20	1223.46	1155.96	1150.96	37.56			1185.90	
MW-15D	9/17/2014	1221.20	1223.46	1155.96	1150.96	36.80			1186.66	
MW-15D	12/8/2014	1221.20	1223.46	1155.96	1150.96	38.05			1185.41	
MW-15D	4/29/2015	1221.20	1223.46	1155.96	1150.96	37.91			1185.55	
MW-15D	6/10/2015	1221.20	1223.46	1155.96	1150.96	37.69			1185.77	
MW-15D	9/23/2015	1221.20	1223.46	1155.96	1150.96	38.01			1185.45	
MW-15D	12/8/2015	1221.20	1223.46	1155.96	1150.96	37.72			1185.74	
MW-15D	3/15/2016	1221.20	1223.46	1155.96	1150.96	37.76			1185.70	
MW-15D	6/8/2016	1221.20	1223.46	1155.96	1150.96	37.25			1186.21	
MW-15D	9/21/2016	1221.20	1223.46	1155.96	1150.96	38.03			1185.43	
MW-15D	12/20/2016	1221.20	1223.46	1155.96	1150.96	37.91			1185.55	
MW-16	10/17/2007	1221.69	1223.42	1188.92	1178.92	37.21			1186.21	
MW-16	11/9/2007	1221.69	1223.42	1188.92	1178.92	37.30			1186.12	
MW-16	12/3/2007	1221.69	1223.42	1188.92	1178.92	37.33			1186.09	
MW-16	1/14/2008	1221.69	1223.42	1188.92	1178.92	37.69			1185.73	
MW-16	2/19/2008	1221.69	1223.42	1188.92	1178.92	37.84			1185.58	
MW-16	03/11/2008	1221.69	1223.42	1188.92	1178.92	37.90			1185.52	
MW-16	03/19/2008	1221.69	1223.42	1188.92	1178.92	37.92			1185.50	
MW-16	03/24/2008	1221.69	1223.42	1188.92	1178.92	37.84			1185.58	
MW-16	04/01/2008	1221.69	1223.42	1188.92	1178.92	37.78			1185.64	
MW-16	05/03/2008	1221.69	1223.42	1188.92	1178.92	36.74			1186.68	
MW-16	06/10/2008	1221.69	1223.42	1188.92	1178.92	36.90			1186.52	
MW-16	08/28/2008	1221.69	1223.42	1188.92	1178.92	37.20			1186.22	
MW-16	12/03/2008	1221.69	1223.42	1188.92	1178.92	37.00			1186.42	
MW-16	03/25/2009	1221.69	1223.42	1188.92	1178.92	37.11			1186.31	
MW-16	06/24/2009	1221.69	1223.42	1188.92	1178.92	37.81			1185.61	
MW-16	9/15/2009	1221.69	1223.42	1188.92	1178.92	38.18			1185.24	
MW-16	12/7/2009	1221.69	1223.42	1188.92	1178.92	38.15			1185.27	
MW-16	3/30/2010	1221.69	1223.42	1188.92	1178.92	37.62			1185.80	
MW-16	6/24/2010	1221.69	1223.42	1188.92	1178.92	37.47			1185.95	
MW-16	9/27/2010	1221.69	1223.42	1188.92	1178.92	36.59			1186.83	
MW-16	12/28/2010	1221.69	1223.42	1188.92	1178.92	36.69			1186.73	
MW-16	3/24/2011	1221.69	1223.42	1188.92	1178.92	36.58			1186.84	
MW-16	6/23/2011	1221.69	1223.42	1188.92	1178.92	36.09			1187.33	
MW-16	9/1/2011	1221.69	1223.42	1188.92	1178.92	36.41			1187.01	
MW-16	9/13/2011	1221.69	1223.42	1188.92	1178.92	36.58			1186.84	
MW-16	9/27/2011	1221.69	1223.42	1188.92	1178.92	36.60			1186.82	
MW-16	10/11/2011	1221.69	1223.42	1188.92	1178.92	36.56			1186.86	
MW-16	12/19/2011	1221.69	1223.42	1188.92	1178.92	36.79			1186.63	
MW-16	3/26/2012	1221.69	1223.42	1188.92	1178.92	36.59			1186.83	
MW-16	6/19/2012	1221.69	1223.42	1188.92	1178.92	36.80			1186.62	
MW-16	9/25/2012	1221.69	1223.42	1188.92	1178.92	37.32			1186.10	
MW-16	12/17/2012	1221.69	1223.42	1188.92	1178.92	37.04			1186.38	
MW-16	3/25/2013	1221.69	1223.42	1188.92	1178.92	37.51			1185.91	
MW-16	6/19/2013	1221.69	1223.42	1188.92	1178.92	37.76			1185.66	
MW-16	9/12/2013	1221.69	1223.42	1188.92	1178.92	37.58			1185.84	
MW-16	12/17/2013	1221.69	1223.42	1188.92	1178.92	37.50			1185.92	
MW-16	3/25/2014	1221.69	1223.42	1188.92	1178.92	37.89			1185.53	
MW-16	6/9/2014	1221.69	1223.42	1188.92	1178.92	36.30			1187.12	
MW-16	9/17/2014	1221.69	1223.42	1188.92	1178.92	36.45			1186.97	
MW-16	12/8/2014	1221.69	1223.42	1188.92	1178.92	36.82			1186.60	
MW-16	4/29/2015	1221.69	1223.42	1188.92	1178.92	36.68			1186.74	
MW-16	6/10/2015	1221.69	1223.42	1188.92	1178.92	36.45			1186.97	
MW-16	9/23/2015	1221.69	1223.42	1188.92	1178.92	36.72			1186.70	
MW-16	12/8/2015	1221.69	1223.42	1188.92	1178.92	36.35			1187.07	
MW-16	3/15/2016	1221.69	1223.42	1188.92	1178.92	36.45			1186.97	
MW-16	6/8/2016	1221.69	1223.42	1188.92	1178.92	35.89			1187.53	
MW-16	9/21/2016	1221.69	1223.42	1188.92	1178.92	36.60			1186.82	
MW-16	12/20/2016	1221.69	1223.42	1188.92	1178.92	36.62			1186.80	
MW-17	10/17/2007	1188.77	1190.88	1182.38	1172.38	5.66			1185.22	
MW-17	11/9/2007	1188.77	1190.88	1182.38	1172.38	5.99			1184.89	
MW-17	12/3/2007	1188.77	1190.88	1182.38	1172.38	6.20			1184.68	
MW-17	1/14/2008	1188.77	1190.88	1182.38	1172.38	6.48			1184.40	
MW-17	2/19/2008	1188.77	1190.88	1182.38	1172.38	6.45			1184.43	
MW-17	03/11/2008	1188.77	1190.88	1182.38	1172.38	6.46			1184.42	
MW-17	03/19/2008	1188.77	1190.88	1182.38	1172.38	6.38			1184.50	
MW-17	03/24/2008	1188.77	1190.88	1182.38	1172.38	6.33			1184.55	
MW-17	04/01/2008	1188.77	1190.88	1182.38	1172.38	5.56			1185.32	
MW-17	04/08/2008	1188.77	1190.88	1182.38	1172.38	1.40			1189.48	
MW-17	11/19/2008	1188.77	1190.88	1182.38	1172.38	6.45			1184.43	
MW-17	12/03/2008	1188.77	1190.88	1182.38	1172.38	6.26			1184.62	
MW-17	03/25/2009	1188.77	1190.88	1182.38	1172.38	5.23			1185.65	
MW-17	06/24/2009	1188.77	1190.88	1182.38	1172.38	6.41			1184.47	
MW-17	9/15/2009	1188.77	1190.88	1182.38	1172.38	6.65			1184.23	
MW-17	12/7/2009	1188.77	1190.88	1182.38	1172.38	6.58			1184.30	
MW-17	3/30/2010	1188.77	1190.88	1182.38	1172.38	6.11			1184.77	
MW-17	6/24/2010	1188.77	1190.88	1182.38	1172.38	5.57			1185.31	
MW-17	9/27/2010	1188.77	1190.88	1182.38	1172.38	4.98			1185.90	

Table 2
Ground Water Elevations/Product Thickness
Enbridge Energy MP85
Reichel Road, Town of Murry, Rusk County, Wisconsin
WDNR BRRTS# 02-55-548746

Location	Date	Ground Surface Elevation	Top of Riser Elevation	Top of Screen Elevation	Bottom of Screen Elevation	Depth to Water (TOR)	Depth to Product	Product Thickness	Ground Water Elevation	Product Elevation
MW-17	12/28/2010	1188.77	1190.88	1182.38	1172.38	5.69			1185.19	
MW-17	3/24/2011	1188.77	1190.88	1182.38	1172.38	4.40			1186.48	
MW-17	6/23/2011	1188.77	1190.88	1182.38	1172.38	4.69			1186.19	
MW-17	9/1/2011	1188.77	1190.88	1182.38	1172.38	5.60			1185.28	
MW-17	9/13/2011	1188.77	1190.88	1182.38	1172.38	5.81			1185.07	
MW-17	9/27/2011	1188.77	1190.88	1182.38	1172.38	5.78			1185.10	
MW-17	10/11/2011	1188.77	1190.88	1182.38	1172.38	5.73			1185.15	
MW-17	12/19/2011	1188.77	1190.88	1182.38	1172.38	5.73			1185.15	
MW-17	3/26/2012	1188.77	1190.88	1182.38	1172.38	4.78			1186.10	
MW-17	6/19/2012	1188.77	1190.88	1182.38	1172.38	5.78			1185.10	
MW-17	9/25/2012	1188.77	1190.88	1182.38	1172.38	6.22			1184.66	
MW-17	12/17/2012	1188.77	1190.88	1182.38	1172.38	5.88			1185.00	
MW-17	3/25/2013	1188.77	1190.88	1182.38	1172.38	6.23			1184.65	
MW-17	6/19/2013	1188.77	1190.88	1182.38	1172.38	5.79			1185.09	
MW-17	9/12/2013	1188.77	1190.88	1182.38	1172.38	6.43			1184.45	
MW-17	12/17/2013	1188.77	1190.88	1182.38	1172.38	6.20			1184.68	
MW-17	3/25/2014	1188.77	1190.88	1182.38	1172.38	6.59			1184.29	
MW-17	6/9/2014	1188.77	1190.88	1182.38	1172.38	4.90			1185.98	
MW-17	9/17/2014	1188.77	1190.88	1182.38	1172.38	5.38			1185.50	
MW-17	12/8/2014	1188.77	1190.88	1182.38	1172.38	5.55			1185.33	
MW-17	4/29/2015	1188.77	1190.88	1182.38	1172.38	5.41			1185.47	
MW-17	6/10/2015	1188.77	1190.88	1182.38	1172.38	5.14			1185.74	
MW-17	9/23/2015	1188.77	1190.88	1182.38	1172.38	5.50			1185.38	
MW-17	12/8/2015	1188.77	1190.88	1182.38	1172.38	5.51			1185.37	
MW-17	3/15/2016	1188.77	1190.88	1182.38	1172.38	4.55			1186.33	
MW-17	6/8/2016	1188.77	1190.88	1182.38	1172.38	4.79			1186.09	
MW-17	9/21/2016	1188.77	1190.88	1182.38	1172.38	5.60			1185.28	
MW-17	12/20/2016	1188.77	1190.88	1182.38	1172.38	5.56			1185.32	
MW-18	11/1/2007	1225.12	1227.18	1192.18	1182.18	40.66			1186.52	
MW-18	11/9/2007	1225.12	1227.18	1192.18	1182.18	40.71			1186.47	
MW-18	12/3/2007	1225.12	1227.18	1192.18	1182.18	40.74			1186.44	
MW-18	1/14/2008	1225.12	1227.18	1192.18	1182.18	41.08			1186.10	
MW-18	2/19/2008	1225.12	1227.18	1192.18	1182.18	41.25			1185.93	
MW-18	03/19/2008	1225.12	1227.18	1192.18	1182.18	41.33			1185.85	
MW-18	03/24/2008	1225.12	1227.18	1192.18	1182.18	41.29			1185.89	
MW-18	04/01/2008	1225.12	1227.18	1192.18	1182.18	41.20			1185.98	
MW-18	06/10/2008	1225.12	1227.18	1192.18	1182.18	40.19			1186.99	
MW-18	08/28/2008	1225.12	1227.18	1192.18	1182.18	40.55			1186.63	
MW-18	12/03/2008	1225.12	1227.18	1192.18	1182.18	40.45			1186.73	
MW-18	03/25/2009	1225.12	1227.18	1192.18	1182.18	40.62			1186.56	
MW-18	06/24/2009	1225.12	1227.18	1192.18	1182.18	41.17			1186.01	
MW-18	9/15/2009	1225.12	1227.18	1192.18	1182.18	41.55			1185.63	
MW-18	12/7/2009	1225.12	1227.18	1192.18	1182.18	41.58			1185.60	
MW-18	3/29/2010	1225.12	1227.18	1192.18	1182.18	41.00			1186.18	
MW-18	6/24/2010	1225.12	1227.18	1192.18	1182.18	40.84			1186.34	
MW-18	9/27/2010	1225.12	1227.18	1192.18	1182.18	39.90			1187.28	
MW-18	12/28/2010	1225.12	1227.18	1192.18	1182.18	40.00			1187.18	
MW-18	3/24/2011	1225.12	1227.18	1192.18	1182.18	39.72			1187.46	
MW-18	6/23/2011	1225.12	1227.18	1192.18	1182.18	39.15			1188.03	
MW-18	10/11/2011	1225.12	1227.18	1192.18	1182.18	39.86			1187.32	
MW-18	12/19/2011	1225.12	1227.18	1192.18	1182.18	40.34			1186.84	
MW-18	3/26/2012	1225.12	1227.18	1192.18	1182.18	39.06			1188.12	
MW-18	6/19/2012	1225.12	1227.18	1192.18	1182.18	39.72			1187.46	
MW-18	9/25/2012	1225.12	1227.18	1192.18	1182.18	40.57			1186.61	
MW-18	12/17/2012	1225.12	1227.18	1192.18	1182.18	40.42			1186.76	
MW-18	9/12/2013	1225.12	1227.18	1192.18	1182.18	Dry at 38.50				
MW-18	12/17/2013	1225.12	1227.18	1192.18	1182.18	Dry at 38.70				
MW-18	4/29/2015	1225.12	1227.18	1192.18	1182.18	38.50			1188.68	
MW-18	9/21/2016	1225.12	1227.18	1192.18	1182.18	dry at 38.00				
Removed										
RW-1	6/12/2007	1224.98	1227.25	1190.25	1170.25	40.32			1186.93	
RW-1	6/21/2007	1224.98	1227.25	1190.25	1170.25	40.41			1186.84	
RW-1	7/2/2007	1224.98	1227.25	1190.25	1170.25	40.55			1186.70	
RW-1	7/11/2007	1224.98	1227.25	1190.25	1170.25	40.54			1186.71	
RW-1	7/24/2007	1224.98	1227.25	1190.25	1170.25	40.62			1186.63	
RW-1	8/2/2007	1224.98	1227.25	1190.25	1170.25	40.64			1186.61	
RW-1	8/9/2007	1224.98	1227.25	1190.25	1170.25	40.65	40.64	0.01	1186.60	1186.61
RW-1	10/17/2007	1224.98	1227.25	1190.25	1170.25	40.16			1187.09	
RW-1	11/9/2007	1224.98	1227.25	1190.25	1170.25	40.27			1186.98	
RW-1	12/3/2007	1224.98	1227.25	1190.25	1170.25	40.30			1186.95	
RW-1	02/19/2008	1224.98	1227.25	1190.25	1170.25	41.03			1186.22	
RW-1	03/25/2009	1224.98	1227.25	1190.25	1170.25	40.05			1187.20	
RW-1	12/07/2009	1224.98	1227.25	1190.25	1170.25	41.32	41.30	0.02	1185.93	1185.95
RW-1	03/29/2010	1224.98	1227.25	1190.25	1170.25	41.50	40.85	0.65	1185.75	1186.40
RW-1	06/24/2010	1224.98	1227.25	1190.25	1170.25	40.95	40.65	0.30	1186.30	1186.60
RW-1	09/27/2010	1224.98	1227.25	1190.25	1170.25	39.82			1187.43	
RW-1	12/28/2010	1224.98	1227.25	1190.25	1170.25	39.70	39.65	0.05	1187.55	1187.60
RW-1	03/24/2011	1224.98	1227.25	1190.25	1170.25	38.90	38.60	0.30	1188.35	1188.65
RW-1	06/23/2011	1224.98	1227.25	1190.25	1170.25	39.15			1188.10	
RW-1	09/01/2011	1224.98	1227.25	1190.25	1170.25	39.39			1187.86	
RW-1	09/13/2011	1224.98	1227.25	1190.25	1170.25	39.52			1187.73	

Table 2
 Ground Water Elevations/Product Thickness
 Enbridge Energy MP85
 Reichel Road, Town of Murry, Rusk County, Wisconsin
 WDNR BRRTS# 02-55-548746

Location	Date	Ground Surface Elevation	Top of Riser Elevation	Top of Screen Elevation	Bottom of Screen Elevation	Depth to Water (TOR)	Depth to Product	Product Thickness	Ground Water Elevation	Product Elevation
RW-1	09/27/2011	1224.98	1227.25	1190.25	1170.25	39.58			1187.67	
RW-1	10/11/2011	1224.98	1227.25	1190.25	1170.25	39.57			1187.68	
RW-1	10/24/2011	1224.98	1227.25	1190.25	1170.25	39.58			1187.67	
RW-1	11/07/2011	1224.98	1227.25	1190.25	1170.25	39.63			1187.62	
RW-1	12/19/2011	1224.98	1227.25	1190.25	1170.25	39.72			1187.53	
RW-1	03/26/2012	1224.98	1227.25	1190.25	1170.25	39.58			1187.67	
RW-1	06/19/2012	1224.98	1227.25	1190.25	1170.25	39.86			1187.39	
RW-1	09/25/2012	1224.98	1227.25	1190.25	1170.25	40.38			1186.87	
RW-1	12/17/2012	1224.98	1227.25	1190.25	1170.25	40.20			1187.05	
RW-1	03/25/2013	1224.98	1227.25	1190.25	1170.25	40.65			1186.60	
RW-1	06/19/2013	1224.98	1227.25	1190.25	1170.25	39.84			1187.41	
RW-1	07/17/2013	1224.98	1227.25	1190.25	1170.25	40.13			1187.12	
RW-1	08/13/2013	1224.98	1227.25	1190.25	1170.25	40.41			1186.84	
RW-1	09/12/2013	1224.98	1227.25	1190.25	1170.25	40.65			1186.60	
RW-1	10/31/2013	1224.98	1227.25	1190.25	1170.25	40.55	40.55	Trace	1186.70	1186.70
RW-1	11/13/2013	1224.98	1227.25	1190.25	1170.25	40.55	40.55	Trace	1186.70	1186.70
RW-1	12/17/2013	1224.98	1227.25	1190.25	1170.25	Dry at 39.30				
RW-1	03/25/2014	1224.98	1227.25	1190.25	1170.25	Dry				
RW-1	06/09/2014	1224.98	1227.25	1190.25	1170.25	39.28			1187.97	
RW-1	09/17/2014	1224.98	1227.25	1190.25	1170.25	39.40			1187.85	
RW-1	12/08/2014	1224.98	1227.25	1190.25	1170.25	39.74			1187.51	
RW-1	06/10/2015	1224.98	1227.25	1190.25	1170.25	39.48			1187.77	
RW-1	07/30/2015	1224.98	1227.25	1190.25	1170.25	39.80		trace	1187.45	1187.45
RW-1	08/20/2015	1224.98	1227.25	1190.25	1170.25	39.34	39.29	0.05	1187.91	1187.96
RW-1	09/23/2015	1224.98	1227.25	1190.25	1170.25	39.80		trace	1187.45	1187.45
RW-1	10/22/2015	1224.98	1227.25	1190.25	1170.25	40.00	40.00	trace	1187.25	1187.25
RW-1	11/12/2015	1224.98	1227.25	1190.25	1170.25	39.19			1188.06	
RW-1	12/08/2015	1224.98	1227.25	1190.25	1170.25	39.36		trace	1187.89	1187.89
RW-1	01/14/2016	1224.98	1227.25	1190.25	1170.25	39.40			1187.85	
RW-1	02/03/2016	1224.98	1227.25	1190.25	1170.25	38.92	38.90	0.02	1188.33	1188.35
RW-1	03/15/2016	1224.98	1227.25	1190.25	1170.25	39.24	39.24		1188.01	1188.01
RW-1	04/11/2016	1224.98	1227.25	1190.25	1170.25	39.26		trace	1187.99	1187.99
RW-1	05/05/2016	1224.98	1227.25	1190.25	1170.25	39.19			1188.06	
RW-1	06/08/2016	1224.98	1227.25	1190.25	1170.25	38.88			1188.37	
RW-1	07/13/2016	1224.98	1227.25	1190.25	1170.25	39.14			1188.11	
RW-1	08/11/2016	1224.98	1227.25	1190.25	1170.25	39.37			1187.88	
RW-1	09/21/2016	1224.98	1227.25	1190.25	1170.25	39.52		trace	1187.73	
RW-1	10/24/2016	1224.98	1227.25	1190.25	1170.25	39.40	39.40	trace	1187.85	
RW-1	12/06/2016	1224.98	1227.25	1190.25	1170.25	39.42	39.40	0.02	1187.83	1187.85
RW-1	12/20/2016	1224.98	1227.25	1190.25	1170.25	39.55	39.55	trace	1187.70	
RW-2	6/12/2007	1224.63	1226.66	1190.31	1170.31	40.09			1186.57	
RW-2	6/21/2007	1224.63	1226.66	1190.31	1170.31	40.17		0.00	1186.49	
RW-2	6/21/2007	1224.63	1226.66	1190.31	1170.31	40.15	40.14	0.01	1186.51	1186.52
RW-2	7/2/2007	1224.63	1226.66	1190.31	1170.31	40.35	40.28	0.07	1186.31	1186.38
RW-2	7/11/2007	1224.63	1226.66	1190.31	1170.31	40.34	40.29	0.05	1186.32	1186.37
RW-2	7/24/2007	1224.63	1226.66	1190.31	1170.31	40.35	40.33	0.02	1186.31	1186.33
RW-2	8/2/2007	1224.63	1226.66	1190.31	1170.31	40.37	40.36	0.01	1186.29	1186.30
RW-2	8/2/2007	1224.63	1226.66	1190.31	1170.31	40.39	40.35	0.04	1186.27	1186.31
RW-2	8/9/2007	1224.63	1226.66	1190.31	1170.31	40.45	40.38	0.07	1186.21	1186.28
RW-2	10/17/2007	1224.63	1226.66	1190.31	1170.31	39.91	39.89	0.02	1186.75	1186.77
RW-2	11/9/2007	1224.63	1226.66	1190.31	1170.31	40.01			1186.65	
RW-2	12/3/2007	1224.63	1226.66	1190.31	1170.31	40.06	40.03	0.03	1186.60	1186.63
RW-2	1/14/2008	1224.63	1226.66	1190.31	1170.31	40.42	40.36	0.06	1186.24	1186.30
RW-2	2/19/2008	1224.63	1226.66	1190.31	1170.31	40.57	40.51	0.06	1186.09	1186.15
RW-2	03/19/2008	1224.63	1226.66	1190.31	1170.31	40.68	40.65	0.03	1185.98	1186.01
RW-2	04/01/2008	1224.63	1226.66	1190.31	1170.31	40.55	40.49	0.06	1186.11	1186.17
RW-2	04/08/2008	1224.63	1226.66	1190.31	1170.31	40.03	40.03	0.00	1186.63	1186.63
RW-2	04/23/2008	1224.63	1226.66	1190.31	1170.31	39.60	39.58	0.02	1187.06	1187.08
RW-2	05/03/2008	1224.63	1226.66	1190.31	1170.31	39.47	39.47	0.00	1187.19	1187.19
RW-2	06/10/2008	1224.63	1226.66	1190.31	1170.31	39.49			1187.17	
RW-2	07/22/2008	1224.63	1226.66	1190.31	1170.31	39.66	39.66	0.00	1187.00	1187.00
RW-2	07/30/2008	1224.63	1226.66	1190.31	1170.31	39.59	39.59	0.00	1187.07	1187.07
RW-2	08/05/2008	1224.63	1226.66	1190.31	1170.31	39.69	39.69	0.00	1186.97	1186.97
RW-2	08/12/2008	1224.63	1226.66	1190.31	1170.31	39.65	39.65	0.00	1187.01	1187.01
RW-2	08/19/2008	1224.63	1226.66	1190.31	1170.31	39.71	39.71	0.00	1186.95	1186.95
RW-2	08/27/2008	1224.63	1226.66	1190.31	1170.31	39.71	39.71	0.00	1186.95	1186.95
RW-2	08/28/2008	1224.63	1226.66	1190.31	1170.31	39.93	39.92	0.01	1186.73	1186.74
RW-2	09/09/2008	1224.63	1226.66	1190.31	1170.31	39.83	39.82	0.01	1186.83	1186.84
RW-2	09/16/2008	1224.63	1226.66	1190.31	1170.31	39.80	39.80	0.00	1186.86	1186.86
RW-2	09/24/2008	1224.63	1226.66	1190.31	1170.31	39.85	39.85	0.00	1186.81	1186.81
RW-2	09/30/2008	1224.63	1226.66	1190.31	1170.31	39.76	39.76	0.00	1186.90	1186.90
RW-2	10/06/2008	1224.63	1226.66	1190.31	1170.31	39.70	39.70	0.00	1186.96	1186.96
RW-2	10/14/2008	1224.63	1226.66	1190.31	1170.31	39.68	39.68	0.00	1186.98	1186.98
RW-2	10/21/2008	1224.63	1226.66	1190.31	1170.31	39.61	39.61	0.00	1187.05	1187.05
RW-2	11/04/2008	1224.63	1226.66	1190.31	1170.31	39.49	39.49	0.00	1187.17	1187.17
RW-2	11/11/2008	1224.63	1226.66	1190.31	1170.31	39.47	39.47	0.00	1187.19	1187.19
RW-2	11/19/2008	1224.63	1226.66	1190.31	1170.31	39.52	39.52	0.00	1187.14	1187.14
RW-2	12/03/2008	1224.63	1226.66	1190.31	1170.31	39.55	39.55	0.00	1187.11	1187.11
RW-2	01/02/2009	1224.63	1226.66	1190.31	1170.31	39.88	39.88	0.00	1186.78	1186.78
RW-2	02/04/2009	1224.63	1226.66	1190.31	1170.31	39.92			1186.74	
RW-2	02/10/2009	1224.63	1226.66	1190.31	1170.31	39.98			1186.68	
RW-2	02/17/2009	1224.63	1226.66	1190.31	1170.31	39.96	39.95	0.01	1186.70	1186.71

Table 2
Ground Water Elevations/Product Thickness
Enbridge Energy MP85
Reichel Road, Town of Murry, Rusk County, Wisconsin
WDNR BRRTS# 02-55-548746

Location	Date	Ground Surface Elevation	Top of Riser Elevation	Top of Screen Elevation	Bottom of Screen Elevation	Depth to Water (TOR)	Depth to Product	Product Thickness	Ground Water Elevation	Product Elevation
RW-2	02/27/2009	1224.63	1226.66	1190.31	1170.31	39.95	39.93	0.02	1186.71	1186.73
RW-2	03/04/2009	1224.63	1226.66	1190.31	1170.31	40.04	40.03	0.01	1186.62	1186.63
RW-2	03/11/2009	1224.63	1226.66	1190.31	1170.31	40.07			1186.59	
RW-2	03/17/2009	1224.63	1226.66	1190.31	1170.31	39.94			1186.72	
RW-2	03/25/2009	1224.63	1226.66	1190.31	1170.31	39.81			1186.85	
RW-2	03/31/2009	1224.63	1226.66	1190.31	1170.31	39.91			1186.75	
RW-2	04/08/2009	1224.63	1226.66	1190.31	1170.31	39.96			1186.70	
RW-2	04/13/2009	1224.63	1226.66	1190.31	1170.31	40.04			1186.62	
RW-2	05/12/2009	1224.63	1226.66	1190.31	1170.31	39.98			1186.68	
RW-2	05/19/2009	1224.63	1226.66	1190.31	1170.31	40.12			1186.54	
RW-2	6/3/2009	1224.63	1226.66	1190.31	1170.31	40.37	40.37	0.00	1186.29	1186.29
RW-2	6/10/2009	1224.63	1226.66	1190.31	1170.31	40.39	40.38	0.01	1186.27	1186.28
RW-2	6/16/2009	1224.63	1226.66	1190.31	1170.31	40.45	40.45	0.00	1186.21	1186.21
RW-2	6/24/2009	1224.63	1226.66	1190.31	1170.31	40.47			1186.19	
RW-2	6/30/2009	1224.63	1226.66	1190.31	1170.31	40.50			1186.16	
RW-2	7/8/2009	1224.63	1226.66	1190.31	1170.31	40.54	40.52	0.02	1186.12	1186.14
RW-2	7/20/2009	1224.63	1226.66	1190.31	1170.31	40.70	40.68	0.02	1185.96	1185.98
RW-2	8/4/2009	1224.63	1226.66	1190.31	1170.31	40.65	40.63	0.02	1186.01	1186.03
RW-2	8/18/2009	1224.63	1226.66	1190.31	1170.31	40.72	40.71	0.01	1185.94	1185.95
RW-2	9/15/2009	1224.63	1226.66	1190.31	1170.31	41.13	41.09	0.04	1185.53	1185.57
RW-2	9/29/2009	1224.63	1226.66	1190.31	1170.31	41.11	41.03	0.08	1185.55	1185.63
RW-2	10/15/2009	1224.63	1226.66	1190.31	1170.31	40.92	40.88	0.04	1185.74	1185.78
RW-2	10/28/2009	1224.63	1226.66	1190.31	1170.31	40.62			1186.04	
RW-2	11/11/2009	1224.63	1226.66	1190.31	1170.31	40.59			1186.07	
RW-2	12/1/2009	1224.63	1226.66	1190.31	1170.31	40.85	40.78	0.07	1185.81	1185.88
RW-2	12/7/2009	1224.63	1226.66	1190.31	1170.31	40.85	40.84	0.01	1185.81	1185.82
RW-2	12/22/2009	1224.63	1226.66	1190.31	1170.31	40.85			1185.81	
RW-2	1/5/2010	1224.63	1226.66	1190.31	1170.31	40.80			1185.86	
RW-2	1/19/2010	1224.63	1226.66	1190.31	1170.31	40.80			1185.86	
RW-2	2/3/2010	1224.63	1226.66	1190.31	1170.31	40.81	40.8	0.01	1185.85	1185.86
RW-2	2/16/2010	1224.63	1226.66	1190.31	1170.31	40.82			1185.84	
RW-2	3/3/2010	1224.63	1226.66	1190.31	1170.31	40.83	40.8	0.03	1185.83	1185.86
RW-2	3/16/2010	1224.63	1226.66	1190.31	1170.31	40.10			1186.56	
RW-2	3/29/2010	1224.63	1226.66	1190.31	1170.31	40.30	40.295	0.00	1186.36	1186.37
RW-2	4/13/2010	1224.63	1226.66	1190.31	1170.31	40.55	40.55	0.00	1186.11	1186.11
RW-2	4/27/2010	1224.63	1226.66	1190.31	1170.31	40.25			1186.41	
RW-2	5/12/2010	1224.63	1226.66	1190.31	1170.31	40.45			1186.21	
RW-2	5/26/2010	1224.63	1226.66	1190.31	1170.31	40.41			1186.25	
RW-2	6/8/2010	1224.63	1226.66	1190.31	1170.31	40.50			1186.16	
RW-2	6/24/2010	1224.63	1226.66	1190.31	1170.31	40.11			1186.55	
RW-2	7/7/2010	1224.63	1226.66	1190.31	1170.31	40.16			1186.50	
RW-2	7/20/2010	1224.63	1226.66	1190.31	1170.31	39.84			1186.82	
RW-2	8/3/2010	1224.63	1226.66	1190.31	1170.31	39.89			1186.77	
RW-2	8/16/2010	1224.63	1226.66	1190.31	1170.31	39.58			1187.08	
RW-2	8/31/2010	1224.63	1226.66	1190.31	1170.31	39.80			1186.86	
RW-2	9/14/2010	1224.63	1226.66	1190.31	1170.31	39.83			1186.83	
RW-2	9/27/2010	1224.63	1226.66	1190.31	1170.31	39.25			1187.41	
RW-2	10/12/2010	1224.63	1226.66	1190.31	1170.31	39.48			1187.18	
RW-2	10/25/2010	1224.63	1226.66	1190.31	1170.31	39.42			1187.24	
RW-2	11/9/2010	1224.63	1226.66	1190.31	1170.31	39.12			1187.54	
RW-2	11/30/2010	1224.63	1226.66	1190.31	1170.31	39.10			1187.56	
RW-2	12/16/2010	1224.63	1226.66	1190.31	1170.31	39.62			1187.04	
RW-2	12/28/2010	1224.63	1226.66	1190.31	1170.31	39.23			1187.43	
RW-2	1/25/2011	1224.63	1226.66	1190.31	1170.31	39.25			1187.41	
RW-2	2/8/2011	1224.63	1226.66	1190.31	1170.31	39.42			1187.24	
RW-2	2/21/2011	1224.63	1226.66	1190.31	1170.31	39.44			1187.22	
RW-2	3/8/2011	1224.63	1226.66	1190.31	1170.31	39.55			1187.11	
RW-2	3/24/2011	1224.63	1226.66	1190.31	1170.31	39.20			1187.46	
RW-2	4/4/2011	1224.63	1226.66	1190.31	1170.31	39.14			1187.52	
RW-2	4/26/2011	1224.63	1226.66	1190.31	1170.31	38.85			1187.81	
RW-2	5/10/2011	1224.63	1226.66	1190.31	1170.31	38.65			1188.01	
RW-2	5/23/2011	1224.63	1226.66	1190.31	1170.31	38.65			1188.01	
RW-2	6/7/2011	1224.63	1226.66	1190.31	1170.31	38.68			1187.98	
RW-2	6/23/2011	1224.63	1226.66	1190.31	1170.31	38.70			1187.96	
RW-2	7/7/2011	1224.63	1226.66	1190.31	1170.31	38.95			1187.71	
RW-2	7/28/2011	1224.63	1226.66	1190.31	1170.31	38.95			1187.71	
RW-2	8/15/2011	1224.63	1226.66	1190.31	1170.31	38.82			1187.84	
RW-2	9/1/2011	1224.63	1226.66	1190.31	1170.31	38.91			1187.75	
RW-2	9/13/2011	1224.63	1226.66	1190.31	1170.31	39.05			1187.61	
RW-2	9/27/2011	1224.63	1226.66	1190.31	1170.31	39.12			1187.54	
RW-2	10/11/2011	1224.63	1226.66	1190.31	1170.31	39.09			1187.57	
RW-2	10/24/2011	1224.63	1226.66	1190.31	1170.31	39.10			1187.56	
RW-2	11/7/2011	1224.63	1226.66	1190.31	1170.31	39.15			1187.51	
RW-2	12/19/2011	1224.63	1226.66	1190.31	1170.31	39.30			1187.36	
RW-2	1/10/2012	1224.63	1226.66	1190.31	1170.31	39.35			1187.31	
RW-2	1/24/2012	1224.63	1226.66	1190.31	1170.31	39.55			1187.11	
RW-2	2/6/2012	1224.63	1226.66	1190.31	1170.31	39.61			1187.05	
RW-2	2/20/2012	1224.63	1226.66	1190.31	1170.31	39.72			1186.94	
RW-2	3/6/2012	1224.63	1226.66	1190.31	1170.31	39.80			1186.86	
RW-2	3/26/2012	1224.63	1226.66	1190.31	1170.31	39.12			1187.54	
RW-2	4/10/2012	1224.63	1226.66	1190.31	1170.31	39.48			1187.18	
RW-2	4/23/2012	1224.63	1226.66	1190.31	1170.31	39.30			1187.36	
RW-2	5/7/2012	1224.63	1226.66	1190.31	1170.31	39.23			1187.43	
RW-2	5/22/2012	1224.63	1226.66	1190.31	1170.31	39.45			1187.21	

Table 2
 Ground Water Elevations/Product Thickness
 Enbridge Energy MP85
 Reichel Road, Town of Murry, Rusk County, Wisconsin
 WDNR BRRTS# 02-55-548746

Location	Date	Ground Surface Elevation	Top of Riser Elevation	Top of Screen Elevation	Bottom of Screen Elevation	Depth to Water (TOR)	Depth to Product	Product Thickness	Ground Water Elevation	Product Elevation
RW-2	6/5/2012	1224.63	1226.66	1190.31	1170.31	39.40			1187.26	
RW-2	6/19/2012	1224.63	1226.66	1190.31	1170.31	39.33			1187.33	
RW-2	7/18/2012	1224.63	1226.66	1190.31	1170.31	39.58			1187.08	
RW-2	7/30/2012	1224.63	1226.66	1190.31	1170.31	39.57			1187.09	
RW-2	8/12/2012	1224.63	1226.66	1190.31	1170.31	39.70			1186.96	
RW-2	8/29/2012	1224.63	1226.66	1190.31	1170.31	39.85			1186.81	
RW-2	9/12/2012	1224.63	1226.66	1190.31	1170.31	39.88			1186.78	
RW-2	9/25/2012	1224.63	1226.66	1190.31	1170.31	39.86			1186.80	
RW-2	10/16/2012	1224.63	1226.66	1190.31	1170.31	39.74			1186.92	
RW-2	10/30/2012	1224.63	1226.66	1190.31	1170.31	39.59			1187.07	
RW-2	11/12/2012	1224.63	1226.66	1190.31	1170.31	39.61			1187.05	
RW-2	12/4/2012	1224.63	1226.66	1190.31	1170.31	39.72			1186.94	
RW-2	12/17/2012	1224.63	1226.66	1190.31	1170.31	39.69			1186.97	
RW-2	1/2/2013	1224.63	1226.66	1190.31	1170.31	39.80			1186.86	
RW-2	1/15/2013	1224.63	1226.66	1190.31	1170.31	39.87			1186.79	
RW-2	1/29/2013	1224.63	1226.66	1190.31	1170.31	39.95			1186.71	
RW-2	2/12/2013	1224.63	1226.66	1190.31	1170.31	40.02			1186.64	
RW-2	2/25/2013	1224.63	1226.66	1190.31	1170.31	40.06			1186.60	
RW-2	3/12/2013	1224.63	1226.66	1190.31	1170.31	40.11			1186.55	
RW-2	3/25/2013	1224.63	1226.66	1190.31	1170.31	40.14			1186.52	
RW-2	4/9/2013	1224.63	1226.66	1190.31	1170.31	39.68			1186.98	
RW-2	4/22/2013	1224.63	1226.66	1190.31	1170.31	39.36			1187.30	
RW-2	5/9/2013	1224.63	1226.66	1190.31	1170.31	38.78			1187.88	
RW-2	6/19/2013	1224.63	1226.66	1190.31	1170.31	39.35			1187.31	
RW-2	7/17/2013	1224.63	1226.66	1190.31	1170.31	39.65			1187.01	
RW-2	8/13/2013	1224.63	1226.66	1190.31	1170.31	39.95			1186.71	
RW-2	9/12/2013	1224.63	1226.66	1190.31	1170.31	40.17			1186.49	
RW-2	10/31/2013	1224.63	1226.66	1190.31	1170.31	40.06			1186.60	
RW-2	11/13/2013	1224.63	1226.66	1190.31	1170.31	40.06			1186.60	
RW-2	12/17/2013	1224.63	1226.66	1190.31	1170.31	40.12			1186.54	
RW-2	1/21/2014	1224.63	1226.66	1190.31	1170.31	40.33			1186.33	
RW-2	2/18/2014	1224.63	1226.66	1190.31	1170.31	40.49			1186.17	
RW-2	3/25/2014	1224.63	1226.66	1190.31	1170.31	40.57		trace	1186.09	1186.09
RW-2	4/16/2014	1224.63	1226.66	1190.31	1170.31	39.46			1187.20	
RW-2	6/9/2014	1224.63	1226.66	1190.31	1170.31	38.87			1187.79	
RW-2	7/17/2014	1224.63	1226.66	1190.31	1170.31	39.13			1187.53	
RW-2	8/19/2014	1224.63	1226.66	1190.31	1170.31	39.50			1187.16	
RW-2	9/17/2014	1224.63	1226.66	1190.31	1170.31	39.01			1187.65	
RW-2	10/14/2014	1224.63	1226.66	1190.31	1170.31	39.19			1187.47	
RW-2	11/13/2014	1224.63	1226.66	1190.31	1170.31	39.26			1187.40	
RW-2	12/8/2014	1224.63	1226.66	1190.31	1170.31	39.32			1187.34	
RW-2	1/13/2015	1224.63	1226.66	1190.31	1170.31	39.33			1187.33	
RW-2	2/24/2015	1224.63	1226.66	1190.31	1170.31	39.67			1186.99	
RW-2	4/29/2015	1224.63	1226.66	1190.31	1170.31	39.22			1187.44	
RW-2	6/10/2015	1224.63	1226.66	1190.31	1170.31	39.02			1187.64	
RW-2	7/13/2015	1224.63	1226.66	1190.31	1170.31	39.02			1187.64	
RW-2	7/30/2015	1224.63	1226.66	1190.31	1170.31	39.34			1187.32	
RW-2	8/20/2015	1224.63	1226.66	1190.31	1170.31	39.47			1187.19	
RW-2	9/23/2015	1224.63	1226.66	1190.31	1170.31	39.32			1187.34	
RW-2	10/22/2015	1224.63	1226.66	1190.31	1170.31	39.53			1187.13	
RW-2	11/12/2015	1224.63	1226.66	1190.31	1170.31	39.20			1187.46	
RW-2	12/8/2015	1224.63	1226.66	1190.31	1170.31	38.94			1187.72	
RW-2	1/14/2016	1224.63	1226.66	1190.31	1170.31	38.94			1187.72	
RW-2	2/3/2016	1224.63	1226.66	1190.31	1170.31	39.20			1187.46	
RW-2	3/15/2016	1224.63	1226.66	1190.31	1170.31	38.86			1187.80	
RW-2	4/11/2016	1224.63	1226.66	1190.31	1170.31	38.87			1187.79	
RW-2	5/5/2016	1224.63	1226.66	1190.31	1170.31	38.72			1187.94	
RW-2	6/8/2016	1224.63	1226.66	1190.31	1170.31	38.42			1188.24	
RW-2	7/13/2016	1224.63	1226.66	1190.31	1170.31	38.72			1187.94	
RW-2	8/11/2016	1224.63	1226.66	1190.31	1170.31	38.97			1187.69	
RW-2	9/21/2016	1224.63	1226.66	1190.31	1170.31	39.09			1187.57	
RW-2	10/24/2016	1224.63	1226.66	1190.31	1170.31	38.99			1187.67	
RW-2	12/6/2016	1224.63	1226.66	1190.31	1170.31	39.11			1187.55	
RW-2	12/20/2016	1224.63	1226.66	1190.31	1170.31	39.10			1187.56	
RW-3	8/2/2007	1223.83	1226.55	1195.05	1185.05	39.99			1186.56	
RW-3	8/2/2007	1223.83	1226.55	1195.05	1185.05	40.00		film	1186.55	
RW-3	8/9/2007	1223.83	1226.55	1195.05	1185.05	40.08	39.98	0.10	1186.47	1186.57
RW-3	10/17/2007	1223.83	1226.55	1195.05	1185.05	39.77	39.43	0.34	1186.78	1187.12
RW-3	11/9/2007	1223.83	1226.55	1195.05	1185.05	40.39	39.55	0.84	1186.16	1187.00
RW-3	12/3/2007	1223.83	1226.55	1195.05	1185.05	40.05	39.58	0.47	1186.50	1186.97
RW-3	03/19/2008	1223.83	1226.55	1195.05	1185.05	39.40	39.17	0.23	1187.15	1187.38
RW-3	03/25/2009	1223.83	1226.55	1195.05	1185.05	38.25			1188.30	
RW-3	06/24/2009	1223.83	1226.55	1195.05	1185.05	38.59	38.55	0.04	1187.96	1188.00
RW-3	9/15/2009	1223.83	1226.55	1195.05	1185.05	38.98			1187.57	
RW-3	12/7/2009	1223.83	1226.55	1195.05	1185.05	39.30			1187.25	
RW-3	3/29/2010	1223.83	1226.55	1195.05	1185.05	38.55			1188.00	
RW-3	6/24/2010	1223.83	1226.55	1195.05	1185.05	38.49			1188.06	
RW-3	9/27/2010	1223.83	1226.55	1195.05	1185.05	38.62			1187.93	
RW-3	12/28/2010	1223.83	1226.55	1195.05	1185.05	38.74			1187.81	
RW-3	3/24/2011	1223.83	1226.55	1195.05	1185.05	38.30	38.26	0.04	1188.25	1188.29
RW-3	6/23/2011	1223.83	1226.55	1195.05	1185.05	37.98			1188.57	
RW-3	9/1/2011	1223.83	1226.55	1195.05	1185.05	38.78			1187.77	

Table 2
Ground Water Elevations/Product Thickness
Enbridge Energy MP85
Reichel Road, Town of Murry, Rusk County, Wisconsin
WDNR BRRTS# 02-55-548746

Location	Date	Ground Surface Elevation	Top of Riser Elevation	Top of Screen Elevation	Bottom of Screen Elevation	Depth to Water (TOR)	Depth to Product	Product Thickness	Ground Water Elevation	Product Elevation
RW-3	9/13/2011	1223.83	1226.55	1195.05	1185.05	38.91			1187.64	
RW-3	9/27/2011	1223.83	1226.55	1195.05	1185.05	38.97			1187.58	
RW-3	10/11/2011	1223.83	1226.55	1195.05	1185.05	38.96			1187.59	
RW-3	10/24/2011	1223.83	1226.55	1195.05	1185.05	38.95			1187.60	
RW-3	11/7/2011	1223.83	1226.55	1195.05	1185.05	39.02			1187.53	
RW-3	12/19/2011	1223.83	1226.55	1195.05	1185.05	39.73			1186.82	
RW-3	3/26/2012	1223.83	1226.55	1195.05	1185.05	38.20	38.199	0.00	1188.35	1188.35
RW-3	6/19/2012	1223.83	1226.55	1195.05	1185.05	38.61	38.6	0.01	1187.94	1187.95
RW-3	9/25/2012	1223.83	1226.55	1195.05	1185.05	38.85			1187.70	
RW-3	12/17/2012	1223.83	1226.55	1195.05	1185.05	38.42			1188.13	
RW-3	3/25/2013	1223.83	1226.55	1195.05	1185.05	38.23			1188.32	
RW-3	6/19/2013	1223.83	1226.55	1195.05	1185.05	39.14			1187.41	
RW-3	7/17/2013	1223.83	1226.55	1195.05	1185.05	39.39			1187.16	
RW-3	8/13/2013	1223.83	1226.55	1195.05	1185.05	39.40			1187.15	
RW-3	9/12/2013	1223.83	1226.55	1195.05	1185.05	39.40			1187.15	
RW-3	10/31/2013	1223.83	1226.55	1195.05	1185.05	Dry				
RW-3	11/13/2013	1223.83	1226.55	1195.05	1185.05	39.30			1187.25	
RW-3	12/17/2013	1223.83	1226.55	1195.05	1185.05	40.60			1185.95	
RW-3	3/25/2014	1223.83	1226.55	1195.05	1185.05	40.96		trace	1185.59	1185.59
RW-3	6/9/2014	1223.83	1226.55	1195.05	1185.05	37.61			1188.94	
RW-3	9/17/2014	1223.83	1226.55	1195.05	1185.05	36.90			1189.65	
RW-3	12/8/2014	1223.83	1226.55	1195.05	1185.05	37.80			1188.75	
RW-3	6/10/2015	1223.83	1226.55	1195.05	1185.05	38.92	38.81	0.11	1187.63	1187.74
RW-3	7/13/2015	1223.83	1226.55	1195.05	1185.05	38.92	38.88	0.04	1187.63	1187.67
RW-3	7/30/2015	1223.83	1226.55	1195.05	1185.05	39.40		trace	1187.15	1187.15
RW-3	8/20/2015	1223.83	1226.55	1195.05	1185.05	39.86		trace	1186.69	1186.69
RW-3	9/23/2015	1223.83	1226.55	1195.05	1185.05	39.13	39.11	0.02	1187.42	1187.44
RW-3	10/22/2015	1223.83	1226.55	1195.05	1185.05	39.30			1187.25	
RW-3	11/12/2015	1223.83	1226.55	1195.05	1185.05	38.90	38.88	0.20	1187.65	1187.85
RW-3	12/8/2015	1223.83	1226.55	1195.05	1185.05	38.70	38.72	0.02	1187.85	1187.87
RW-3	1/14/2016	1223.83	1226.55	1195.05	1185.05	39.40			1187.15	
RW-3	2/3/2016	1223.83	1226.55	1195.05	1185.05	39.38	39.37	0.01	1187.17	1187.18
RW-3	3/15/2016	1223.83	1226.55	1195.05	1185.05	38.76	38.77	0.01	1187.79	1187.80
RW-3	4/11/2016	1223.83	1226.55	1195.05	1185.05	38.71	38.7	0.01	1187.84	1187.85
RW-3	5/5/2016	1223.83	1226.55	1195.05	1185.05	38.45	38.4	0.05	1188.10	1188.15
RW-3	6/8/2016	1223.83	1226.55	1195.05	1185.05	38.32	38.3	0.02	1188.23	1188.25
RW-3	7/13/2016	1223.83	1226.55	1195.05	1185.05	38.52			1188.03	
RW-3	8/11/2016	1223.83	1226.55	1195.05	1185.05	38.80			1187.75	
RW-3	9/21/2016	1223.83	1226.55	1195.05	1185.05	38.90		trace	1187.65	
RW-3	10/24/2016	1223.83	1226.55	1195.05	1185.05	38.82			1187.73	
RW-3	12/6/2016	1223.83	1226.55	1195.05	1185.05	38.90			1187.65	
RW-3	12/20/2016	1223.83	1226.55	1195.05	1185.05	38.95	38.95	trace	1187.60	

MW-19	02/26/2008	1187.43	1189.75	1183.75	1173.75	5.63			1184.12	
MW-19	03/11/2008	1187.43	1189.75	1183.75	1173.75	8.61			1181.14	
MW-19	03/19/2008	1187.43	1189.75	1183.75	1173.75	5.60			1184.15	
MW-19	03/24/2008	1187.43	1189.75	1183.75	1173.75	5.60			1184.15	
MW-19	04/01/2008	1187.43	1189.75	1183.75	1173.75	5.33			1184.42	
MW-19	04/08/2008	1187.43	1189.75	1183.75	1173.75	4.47			1185.28	
MW-19	04/09/2008	1187.43	1189.75	1183.75	1173.75	3.50			1186.25	
MW-19	04/23/2008	1187.43	1189.75	1183.75	1173.75	4.40			1185.35	
MW-19	05/03/2008	1187.43	1189.75	1183.75	1173.75	4.27			1185.48	
MW-19	06/10/2008	1187.43	1189.75	1183.75	1173.75	4.58			1185.17	
MW-19	08/28/2008	1187.43	1189.75	1183.75	1173.75	5.02			1184.73	
MW-19	12/03/2008	1187.43	1189.75	1183.75	1173.75	5.14			1184.61	
MW-19	03/25/2009	1187.43	1189.75	1183.75	1173.75	4.82			1184.93	
MW-19	06/24/2009	1187.43	1189.75	1183.75	1173.75	5.48			1184.27	
MW-19	9/15/2009	1187.43	1189.75	1183.75	1173.75	5.77			1183.98	
MW-19	12/7/2009	1187.43	1189.75	1183.75	1173.75	5.71			1184.04	
MW-19	3/29/2010	1187.43	1189.75	1183.75	1173.75	5.27			1184.48	
MW-19	6/24/2010	1187.43	1189.75	1183.75	1173.75	4.92			1184.83	
MW-19	9/27/2010	1187.43	1189.75	1183.75	1173.75	4.52			1185.23	
MW-19	12/28/2010	1187.43	1189.75	1183.75	1173.75	4.67			1185.08	
MW-19	3/24/2011	1187.43	1189.75	1183.75	1173.75	4.32			1185.43	
MW-19	6/23/2011	1187.43	1189.75	1183.75	1173.75	4.12			1185.63	
MW-19	10/11/2011	1187.43	1189.75	1183.75	1173.75	4.61			1185.14	
MW-19	12/19/2011	1187.43	1189.75	1183.75	1173.75	4.64			1185.11	
MW-19	3/26/2012	1187.43	1189.75	1183.75	1173.75	4.42			1185.33	
MW-19	6/19/2012	1187.43	1189.75	1183.75	1173.75	4.64			1185.11	
MW-19	9/25/2012	1187.43	1189.75	1183.75	1173.75	5.11			1184.64	
MW-19	12/17/2012	1187.43	1189.75	1183.75	1173.75	4.70			1185.05	
MW-19	3/25/2013	1187.43	1189.75	1183.75	1173.75	5.10			1184.65	
MW-19	6/19/2013	1187.43	1189.75	1183.75	1173.75	4.80			1184.95	
MW-19	9/12/2013	1187.43	1189.75	1183.75	1173.75	5.35			1184.40	
MW-19	12/17/2013	1187.43	1189.75	1183.75	1173.75	5.15			1184.60	
MW-19	3/25/2014	1187.43	1189.75	1183.75	1173.75	5.40			1184.35	
MW-19	6/9/2014	1187.43	1189.75	1183.75	1173.75	4.24			1185.51	
MW-19	9/17/2014	1187.43	1189.75	1183.75	1173.75	4.49			1185.26	
MW-19	4/29/2015	1187.43	1189.75	1183.75	1173.75	4.62			1185.13	
MW-19	6/10/2015	1187.43	1189.75	1183.75	1173.75	4.42			1185.33	
MW-19	9/23/2015	1187.43	1189.75	1183.75	1173.75	4.68			1185.07	
MW-19	12/8/2015	1187.43	1189.75	1183.75	1173.75	4.42			1185.33	
MW-19	3/15/2016	1187.43	1189.75	1183.75	1173.75	4.50			1185.25	

Table 2
Ground Water Elevations/Product Thickness
Enbridge Energy MP85
Reichel Road, Town of Murry, Rusk County, Wisconsin
WDNR BRRTS# 02-55-548746

Location	Date	Ground Surface Elevation	Top of Riser Elevation	Top of Screen Elevation	Bottom of Screen Elevation	Depth to Water (TOR)	Depth to Product	Product Thickness	Ground Water Elevation	Product Elevation
MW-19	6/8/2016	1187.43	1189.75	1183.75	1173.75	4.12			1185.63	
MW-19	9/21/2016	1187.43	1189.75	1183.75	1173.75	4.83			1184.92	
Removed										
MW-20	2/26/2008	1188.54	1190.76	1184.76	1174.76	7.11			1183.65	
MW-20	03/11/2008	1188.54	1190.76	1184.76	1174.76	7.12			1183.64	
MW-20	03/19/2008	1188.54	1190.76	1184.76	1174.76	7.17			1183.59	
MW-20	03/24/2008	1188.54	1190.76	1184.76	1174.76	7.07			1183.69	
MW-20	04/01/2008	1188.54	1190.76	1184.76	1174.76	6.77			1183.99	
MW-20	04/08/2008	1188.54	1190.76	1184.76	1174.76	5.76			1185.00	
MW-20	04/23/2008	1188.54	1190.76	1184.76	1174.76	5.80			1184.96	
MW-20	06/10/2008	1188.54	1190.76	1184.76	1174.76	6.20			1184.56	
MW-20	08/28/2008	1188.54	1190.76	1184.76	1174.76	6.62			1184.14	
MW-20	12/03/2008	1188.54	1190.76	1184.76	1174.76	9.12			1181.64	
MW-20	03/25/2009	1188.54	1190.76	1184.76	1174.76	6.16			1184.60	
MW-20	06/24/2009	1188.54	1190.76	1184.76	1174.76	7.00			1183.76	
MW-20	9/15/2009	1188.54	1190.76	1184.76	1174.76	7.31			1183.45	
MW-20	12/7/2009	1188.54	1190.76	1184.76	1174.76	7.23			1183.53	
MW-20	3/29/2010	1188.54	1190.76	1184.76	1174.76	6.78			1183.98	
MW-20	6/24/2010	1188.54	1190.76	1184.76	1174.76	6.50			1184.26	
MW-20	9/27/2010	1188.54	1190.76	1184.76	1174.76	6.02			1184.74	
MW-20	12/28/2010	1188.54	1190.76	1184.76	1174.76	6.28			1184.48	
MW-20	3/24/2011	1188.54	1190.76	1184.76	1174.76	5.89			1184.87	
MW-20	6/23/2011	1188.54	1190.76	1184.76	1174.76	5.78			1184.98	
MW-20	10/11/2011	1188.54	1190.76	1184.76	1174.76	6.23			1184.53	
MW-20	12/19/2011	1188.54	1190.76	1184.76	1174.76	6.18			1184.58	
MW-20	3/26/2012	1188.54	1190.76	1184.76	1174.76	5.98			1184.78	
MW-20	6/19/2012	1188.54	1190.76	1184.76	1174.76	6.20			1184.56	
MW-20	9/25/2012	1188.54	1190.76	1184.76	1174.76	6.68			1184.08	
MW-20	12/17/2012	1188.54	1190.76	1184.76	1174.76	6.24			1184.52	
MW-20	3/25/2013	1188.54	1190.76	1184.76	1174.76	6.62			1184.14	
MW-20	6/19/2013	1188.54	1190.76	1184.76	1174.76	6.40			1184.36	
MW-20	9/12/2013	1188.54	1190.76	1184.76	1174.76	6.98			1183.78	
MW-20	12/17/2013	1188.54	1190.76	1184.76	1174.76	6.66			1184.10	
MW-20	3/25/2014	1188.54	1190.76	1184.76	1174.76	6.92			1183.84	
MW-20	6/9/2014	1188.54	1190.76	1184.76	1174.76	5.88			1184.88	
MW-20	9/17/2014	1188.54	1190.76	1184.76	1174.76	6.07			1184.69	
MW-20	12/8/2014	1188.54	1190.76	1184.76	1174.76	6.15			1184.61	
MW-20	4/29/2015	1188.54	1190.76	1184.76	1174.76	6.19			1184.57	
MW-20	6/10/2015	1188.54	1190.76	1184.76	1174.76	5.99			1184.77	
MW-20	9/23/2015	1188.54	1190.76	1184.76	1174.76	6.22			1184.54	
MW-20	12/8/2015	1188.54	1190.76	1184.76	1174.76	6.05			1184.71	
MW-20	3/15/2016	1188.54	1190.76	1184.76	1174.76	6.12			1184.64	
MW-20	6/8/2016	1188.54	1190.76	1184.76	1174.76	5.74			1185.02	
MW-20	9/21/2016	1188.54	1190.76	1184.76	1174.76	6.40			1184.36	
Removed										
MW-21	02/27/2008	1189.48	1191.76	1186.26	1176.26	7.17			1184.59	
MW-21	03/11/2008	1189.48	1191.76	1186.26	1176.26	7.14			1184.62	
MW-21	03/19/2008	1189.48	1191.76	1186.26	1176.26	7.14			1184.62	
MW-21	03/24/2008	1189.48	1191.76	1186.26	1176.26	7.07			1184.69	
MW-21	04/01/2008	1189.48	1191.76	1186.26	1176.26	6.88			1184.88	
MW-21	04/08/2008	1189.48	1191.76	1186.26	1176.26	3.17			1188.59	
MW-21	11/19/2008	1189.48	1191.76	1186.26	1176.26	8.42			1183.34	
MW-21	12/03/2008	1189.48	1191.76	1186.26	1176.26	6.58			1185.18	
MW-21	06/24/2009	1189.48	1191.76	1186.26	1176.26	7.34			1184.42	
MW-21	9/15/2009	1189.48	1191.76	1186.26	1176.26	7.61			1184.15	
MW-21	12/7/2009	1189.48	1191.76	1186.26	1176.26	7.58			1184.18	
MW-21	3/29/2010	1189.48	1191.76	1186.26	1176.26	6.97			1184.79	
MW-21	6/24/2010	1189.48	1191.76	1186.26	1176.26	6.73			1185.03	
MW-21	9/27/2010	1189.48	1191.76	1186.26	1176.26	5.75			1186.01	
MW-21	12/28/2010	1189.48	1191.76	1186.26	1176.26	6.60			1185.16	
MW-21	3/24/2011	1189.48	1191.76	1186.26	1176.26	5.75			1186.01	
MW-21	6/23/2011	1189.48	1191.76	1186.26	1176.26	5.93			1185.83	
MW-21	9/1/2011	1189.48	1191.76	1186.26	1176.26	6.28			1185.48	
MW-21	9/13/2011	1189.48	1191.76	1186.26	1176.26	6.49			1185.27	
MW-21	9/27/2011	1189.48	1191.76	1186.26	1176.26	6.44			1185.32	
MW-21	10/11/2011	1189.48	1191.76	1186.26	1176.26	6.37			1185.39	
MW-21	12/19/2011	1189.48	1191.76	1186.26	1176.26	6.39			1185.37	
MW-21	3/26/2012	1189.48	1191.76	1186.26	1176.26	6.07			1185.69	
MW-21	6/19/2012	1189.48	1191.76	1186.26	1176.26	6.39			1185.37	
MW-21	9/25/2012	1189.48	1191.76	1186.26	1176.26	6.93			1184.83	
MW-21	12/17/2012	1189.48	1191.76	1186.26	1176.26	6.53			1185.23	
MW-21	3/25/2013	1189.48	1191.76	1186.26	1176.26	6.96			1184.80	
MW-21	6/19/2013	1189.48	1191.76	1186.26	1176.26	6.60			1185.16	
MW-21	9/12/2013	1189.48	1191.76	1186.26	1176.26	7.23			1184.53	
MW-21	12/17/2013	1189.48	1191.76	1186.26	1176.26	6.95			1184.81	
MW-21	3/25/2014	1189.48	1191.76	1186.26	1176.26	7.25			1184.51	
MW-21	6/9/2014	1189.48	1191.76	1186.26	1176.26	5.95			1185.81	
MW-21	9/17/2014	1189.48	1191.76	1186.26	1176.26	6.26			1185.50	
MW-21	12/8/2014	1189.48	1191.76	1186.26	1176.26	6.45			1185.31	
MW-21	4/29/2015	1189.48	1191.76	1186.26	1176.26	6.32			1185.44	
MW-21	6/10/2015	1189.48	1191.76	1186.26	1176.26	6.08			1185.68	
MW-21	9/23/2015	1189.48	1191.76	1186.26	1176.26	6.35			1185.41	

Table 2
 Ground Water Elevations/Product Thickness
 Enbridge Energy MP85
 Reichel Road, Town of Murry, Rusk County, Wisconsin
 WDNR BRRTS# 02-55-548746

Location	Date	Ground Surface Elevation	Top of Riser Elevation	Top of Screen Elevation	Bottom of Screen Elevation	Depth to Water (TOR)	Depth to Product	Product Thickness	Ground Water Elevation	Product Elevation
MW-21	12/8/2015	1189.48	1191.76	1186.26	1176.26	6.17			1185.59	
MW-21	3/15/2016	1189.48	1191.76	1186.26	1176.26	5.98			1185.78	
MW-21	6/8/2016	1189.48	1191.76	1186.26	1176.26	5.64			1186.12	
MW-21	9/21/2016	1189.48	1191.76	1186.26	1176.26	6.21			1185.55	
MW-21	12/20/2016	1189.48	1191.76	1186.26	1176.26	6.40			1185.36	
MW-22	02/28/2008	1188.14	1190.56	1185.56	1175.06	7.05			1183.51	
MW-22	03/11/2008	1188.14	1190.56	1185.56	1175.06	7.19			1183.37	
MW-22	03/19/2008	1188.14	1190.56	1185.56	1175.06	7.03			1183.53	
MW-22	03/24/2008	1188.14	1190.56	1185.56	1175.06	7.06			1183.50	
MW-22	04/01/2008	1188.14	1190.56	1185.56	1175.06	6.76			1183.80	
MW-22	04/23/2008	1188.14	1190.56	1185.56	1175.06	5.85			1184.71	
MW-22	06/10/2008	1188.14	1190.56	1185.56	1175.06	6.17			1184.39	
MW-22	08/28/2008	1188.14	1190.56	1185.56	1175.06	6.78			1183.78	
MW-22	12/03/2008	1188.14	1190.56	1185.56	1175.06	6.19			1184.37	
MW-22	03/25/2009	1188.14	1190.56	1185.56	1175.06	6.02			1184.54	
MW-22	06/24/2009	1188.14	1190.56	1185.56	1175.06	7.14			1183.42	
MW-22	9/15/2009	1188.14	1190.56	1185.56	1175.06	7.47			1183.09	
MW-22	12/7/2009	1188.14	1190.56	1185.56	1175.06	7.35			1183.21	
MW-22	3/29/2010	1188.14	1190.56	1185.56	1175.06	6.94			1183.62	
MW-22	6/24/2010	1188.14	1190.56	1185.56	1175.06	6.60			1183.96	
MW-22	9/27/2010	1188.14	1190.56	1185.56	1175.06	5.45			1185.11	
MW-22	12/28/2010	1188.14	1190.56	1185.56	1175.06	6.51			1184.05	
MW-22	3/24/2011	1188.14	1190.56	1185.56	1175.06	6.11			1184.45	
MW-22	6/23/2011	1188.14	1190.56	1185.56	1175.06	6.10			1184.46	
MW-22	10/11/2011	1188.14	1190.56	1185.56	1175.06	6.51			1184.05	
MW-22	12/19/2011	1188.14	1190.56	1185.56	1175.06	6.41			1184.15	
MW-22	3/26/2012	1188.14	1190.56	1185.56	1175.06	6.23			1184.33	
MW-22	6/19/2012	1188.14	1190.56	1185.56	1175.06	6.47			1184.09	
MW-22	9/25/2012	1188.14	1190.56	1185.56	1175.06	6.96			1183.60	
MW-22	12/17/2012	1188.14	1190.56	1185.56	1175.06	6.45			1184.11	
MW-22	3/25/2013	1188.14	1190.56	1185.56	1175.06	6.88			1183.68	
MW-22	6/19/2013	1188.14	1190.56	1185.56	1175.06	7.70			1182.86	
MW-22	9/12/2013	1188.14	1190.56	1185.56	1175.06	8.28			1182.28	
MW-22	12/16/2013	1188.14	1190.56	1185.56	1175.06	6.92			1183.64	
MW-22	3/25/2014	1188.14	1190.56	1185.56	1175.06	7.22			1183.34	
MW-22	6/9/2014	1188.14	1190.56	1185.56	1175.06	6.15			1184.41	
MW-22	9/17/2014	1188.14	1190.56	1185.56	1175.06	6.40			1184.16	
MW-22	12/8/2014	1188.14	1190.56	1185.56	1175.06	6.45			1184.11	
MW-22	4/29/2015	1188.14	1190.56	1185.56	1175.06	6.47			1184.09	
MW-22	6/10/2015	1188.14	1190.56	1185.56	1175.06	6.28			1184.28	
MW-22	9/23/2015	1188.14	1190.56	1185.56	1175.06	6.52			1184.04	
MW-22	12/8/2015	1188.14	1190.56	1185.56	1175.06	5.06			1185.50	
MW-22	3/15/2016	1188.14	1190.56	1185.56	1175.06	6.40			1184.16	
MW-22	6/8/2016	1188.14	1190.56	1185.56	1175.06	6.12			1184.44	
MW-22	9/21/2016	1188.14	1190.56	1185.56	1175.06	6.79			1183.77	
Removed										
MW-23	03/24/2008	1187.00	1189.43	1183.93	1173.93	6.30			1183.13	
MW-23	04/01/2008	1187.00	1189.43	1183.93	1173.93	6.11			1183.32	
MW-23	04/08/2008	1187.00	1189.43	1183.93	1173.93	5.00			1184.43	
MW-23	04/09/2008	1187.00	1189.43	1183.93	1173.93	3.09			1186.34	
MW-23	04/23/2008	1187.00	1189.43	1183.93	1173.93	5.14			1184.29	
MW-23	05/03/2008	1187.00	1189.43	1183.93	1173.93	4.95			1184.48	
MW-23	06/10/2008	1187.00	1189.43	1183.93	1173.93	5.42			1184.01	
MW-23	08/28/2008	1187.00	1189.43	1183.93	1173.93	6.04			1183.39	
MW-23	12/03/2008	1187.00	1189.43	1183.93	1173.93	5.49			1183.94	
MW-23	03/25/2009	1187.00	1189.43	1183.93	1173.93	5.32			1184.11	
MW-23	06/24/2009	1187.00	1189.43	1183.93	1173.93	6.50			1182.93	
MW-23	9/15/2009	1187.00	1189.43	1183.93	1173.93	6.81			1182.62	
MW-23	12/7/2009	1187.00	1189.43	1183.93	1173.93	6.70			1182.73	
MW-23	3/29/2010	1187.00	1189.43	1183.93	1173.93	6.25			1183.18	
MW-23	6/24/2010	1187.00	1189.43	1183.93	1173.93	6.60			1182.83	
MW-23	9/27/2010	1187.00	1189.43	1183.93	1173.93	5.44			1183.99	
MW-23	12/28/2010	1187.00	1189.43	1183.93	1173.93	5.89			1183.54	
MW-23	3/24/2011	1187.00	1189.43	1183.93	1173.93	5.27			1184.16	
MW-23	6/23/2011	1187.00	1189.43	1183.93	1173.93	5.22			1184.21	
MW-23	10/11/2011	1187.00	1189.43	1183.93	1173.93	5.73			1183.70	
MW-23	12/19/2011	1187.00	1189.43	1183.93	1173.93	5.64			1183.79	
MW-23	3/26/2012	1187.00	1189.43	1183.93	1173.93	5.37			1184.06	
MW-23	6/19/2012	1187.00	1189.43	1183.93	1173.93	5.53			1183.90	
MW-23	9/25/2012	1187.00	1189.43	1183.93	1173.93	6.15			1183.28	
MW-23	12/17/2012	1187.00	1189.43	1183.93	1173.93	5.61			1183.82	
MW-23	3/25/2013	1187.00	1189.43	1183.93	1173.93	6.15			1183.28	
MW-23	6/19/2013	1187.00	1189.43	1183.93	1173.93	6.00			1183.43	
MW-23	9/12/2013	1187.00	1189.43	1183.93	1173.93	6.60			1182.83	
MW-23	12/17/2013	1187.00	1189.43	1183.93	1173.93	6.24			1183.19	
MW-23	3/25/2014	1187.00	1189.43	1183.93	1173.93	6.53			1182.90	
MW-23	6/9/2014	1187.00	1189.43	1183.93	1173.93	5.22			1184.21	
MW-23	9/17/2014	1187.00	1189.43	1183.93	1173.93	5.61			1183.82	
MW-23	12/8/2014	1187.00	1189.43	1183.93	1173.93	5.75			1183.68	
MW-23	4/29/2015	1187.00	1189.43	1183.93	1173.93	5.64			1183.79	
MW-23	6/10/2015	1187.00	1189.43	1183.93	1173.93	5.41			1184.02	

Table 2
 Ground Water Elevations/Product Thickness
 Enbridge Energy MP85
 Reichel Road, Town of Murry, Rusk County, Wisconsin
 WDNR BRRTS# 02-55-548746

Location	Date	Ground Surface Elevation	Top of Riser Elevation	Top of Screen Elevation	Bottom of Screen Elevation	Depth to Water (TOR)	Depth to Product	Product Thickness	Ground Water Elevation	Product Elevation
MW-23	9/23/2015	1187.00	1189.43	1183.93	1173.93	5.75			1183.68	
MW-23	12/8/2015	1187.00	1189.43	1183.93	1173.93	5.61			1183.82	
MW-23	3/15/2016	1187.00	1189.43	1183.93	1173.93	5.51			1183.92	
MW-23	6/8/2016	1187.00	1189.43	1183.93	1173.93	5.20			1184.23	
MW-23	9/21/2016	1187.00	1189.43	1183.93	1173.93	6.00			1183.43	
Removed										
MW-24	02/26/2008	1185.60	1187.73	1183.73	1173.73	5.11			1182.62	
MW-24	03/11/2008	1185.60	1187.73	1183.73	1173.73	5.22			1182.51	
MW-24	03/19/2008	1185.60	1187.73	1183.73	1173.73	5.17			1182.56	
MW-24	03/24/2008	1185.60	1187.73	1183.73	1173.73	5.17			1182.56	
MW-24	04/01/2008	1185.60	1187.73	1183.73	1173.73	4.98			1182.75	
MW-24	04/08/2008	1185.60	1187.73	1183.73	1173.73	3.67			1184.06	
MW-24	04/09/2008	1185.60	1187.73	1183.73	1173.73	4.14			1183.59	
MW-24	04/23/2008	1185.60	1187.73	1183.73	1173.73	4.26			1183.47	
MW-24	05/03/2008	1185.60	1187.73	1183.73	1173.73	3.98			1183.75	
MW-24	06/10/2008	1185.60	1187.73	1183.73	1173.73	4.74			1182.99	
MW-24	08/28/2008	1185.60	1187.73	1183.73	1173.73	5.22			1182.51	
MW-24	12/03/2008	1185.60	1187.73	1183.73	1173.73	4.43			1183.30	
MW-24	03/25/2009	1185.60	1187.73	1183.73	1173.73	4.16			1183.57	
MW-24	06/24/2009	1185.60	1187.73	1183.73	1173.73	5.61			1182.12	
MW-24	9/15/2009	1185.60	1187.73	1183.73	1173.73	5.83			1181.90	
MW-24	12/7/2009	1185.60	1187.73	1183.73	1173.73	5.72			1182.01	
MW-24	3/29/2010	1185.60	1187.73	1183.73	1173.73	3.45			1184.28	
MW-24	6/24/2010	1185.60	1187.73	1183.73	1173.73	4.32			1183.41	
MW-24	9/27/2010	1185.60	1187.73	1183.73	1173.73	4.60			1183.13	
MW-24	12/28/2010	1185.60	1187.73	1183.73	1173.73	5.27			1182.46	
MW-24	3/24/2011	1185.60	1187.73	1183.73	1173.73	4.33			1183.40	
MW-24	6/23/2011	1185.60	1187.73	1183.73	1173.73	4.46			1183.27	
MW-24	10/11/2011	1185.60	1187.73	1183.73	1173.73	4.95			1182.78	
MW-24	12/19/2011	1185.60	1187.73	1183.73	1173.73	4.77			1182.96	
MW-24	3/26/2012	1185.60	1187.73	1183.73	1173.73	4.54			1183.19	
MW-24	6/19/2012	1185.60	1187.73	1183.73	1173.73	4.67			1183.06	
MW-24	9/25/2012	1185.60	1187.73	1183.73	1173.73	5.30			1182.43	
MW-24	12/17/2012	1185.60	1187.73	1183.73	1173.73	4.65			1183.08	
MW-24	3/25/2013	1185.60	1187.73	1183.73	1173.73	5.22			1182.51	
MW-24	6/19/2013	1185.60	1187.73	1183.73	1173.73	5.41			1182.32	
MW-24	9/12/2013	1185.60	1187.73	1183.73	1173.73	5.83			1181.90	
MW-24	12/17/2013	1185.60	1187.73	1183.73	1173.73	5.45			1182.28	
MW-24	3/25/2014	1185.60	1187.73	1183.73	1173.73	5.71			1182.02	
MW-24	6/9/2014	1185.60	1187.73	1183.73	1173.73	4.58			1183.15	
MW-24	9/17/2014	1185.60	1187.73	1183.73	1173.73	5.05			1182.68	
MW-24	12/8/2014	1185.60	1187.73	1183.73	1173.73	5.25			1182.48	
MW-24	4/29/2015	1185.60	1187.73	1183.73	1173.73	5.09			1182.64	
MW-24	6/10/2015	1185.60	1187.73	1183.73	1173.73	4.83			1182.90	
MW-24	9/23/2015	1185.60	1187.73	1183.73	1173.73	5.13			1182.60	
MW-24	12/8/2015	1185.60	1187.73	1183.73	1173.73	2.55			1185.18	
MW-24	3/15/2016	1185.60	1187.73	1183.73	1173.73	4.65			1183.08	
MW-24	6/8/2016	1185.60	1187.73	1183.73	1173.73	4.66			1183.07	
MW-24	9/21/2016	1185.60	1187.73	1183.73	1173.73	5.34			1182.39	
Removed										
MW-24D	03/19/2008	1185.50	1187.76	1125.76	1120.76	3.72			1184.04	
MW-24D	03/24/2008	1185.50	1187.76	1125.76	1120.76	3.72			1184.04	
MW-24D	04/01/2008	1185.50	1187.76	1125.76	1120.76	3.55			1184.21	
MW-24D	04/08/2008	1185.50	1187.76	1125.76	1120.76	2.78			1184.98	
MW-24D	04/09/2008	1185.50	1187.76	1125.76	1120.76	2.74			1185.02	
MW-24D	04/23/2008	1185.50	1187.76	1125.76	1120.76	2.60			1185.16	
MW-24D	05/03/2008	1185.50	1187.76	1125.76	1120.76	2.44			1185.32	
MW-24D	06/10/2008	1185.50	1187.76	1125.76	1120.76	2.64			1185.12	
MW-24D	08/28/2008	1185.50	1187.76	1125.76	1120.76	3.17			1184.59	
MW-24D	12/03/2008	1185.50	1187.76	1125.76	1120.76	2.60			1185.16	
MW-24D	03/25/2009	1185.50	1187.76	1125.76	1120.76	3.25			1184.51	
MW-24D	06/24/2009	1185.50	1187.76	1125.76	1120.76	3.74			1184.02	
MW-24D	9/15/2009	1185.50	1187.76	1125.76	1120.76	4.06			1183.70	
MW-24D	12/7/2009	1185.50	1187.76	1125.76	1120.76	3.80			1183.96	
MW-24D	3/29/2010	1185.50	1187.76	1125.76	1120.76	3.48			1184.28	
MW-24D	6/24/2010	1185.50	1187.76	1125.76	1120.76	3.12			1184.64	
MW-24D	9/27/2010	1185.50	1187.76	1125.76	1120.76	2.64			1185.12	
MW-24D	12/28/2010	1185.50	1187.76	1125.76	1120.76	2.57			1185.19	
MW-24D	3/24/2011	1185.50	1187.76	1125.76	1120.76	2.42			1185.34	
MW-24D	6/23/2011	1185.50	1187.76	1125.76	1120.76	2.23			1185.53	
MW-24D	10/11/2011	1185.50	1187.76	1125.76	1120.76	2.74			1185.02	
MW-24D	3/26/2012	1185.50	1187.76	1125.76	1120.76	2.65			1185.11	
MW-24D	6/19/2012	1185.50	1187.76	1125.76	1120.76	2.80			1184.96	
MW-24D	9/25/2012	1185.50	1187.76	1125.76	1120.76	3.32			1184.44	
MW-24D	12/17/2012	1185.50	1187.76	1125.76	1120.76	2.99			1184.77	
MW-24D	3/25/2013	1185.50	1187.76	1125.76	1120.76	3.47			1184.29	
MW-24D	6/19/2013	1185.50	1187.76	1125.76	1120.76	3.00			1184.76	
MW-24D	9/12/2013	1185.50	1187.76	1125.76	1120.76	3.68			1184.08	
MW-24D	12/17/2013	1185.50	1187.76	1125.76	1120.76	5.45			1182.31	
MW-24D	3/25/2014	1185.50	1187.76	1125.76	1120.76	3.83			1183.93	
MW-24D	6/9/2014	1185.50	1187.76	1125.76	1120.76	2.41			1185.35	
MW-24D	9/17/2014	1185.50	1187.76	1125.76	1120.76	2.63			1185.13	

Table 2
Ground Water Elevations/Product Thickness
Enbridge Energy MP85
Reichel Road, Town of Murry, Rusk County, Wisconsin
WDNR BRRTS# 02-55-548746

Location	Date	Ground Surface Elevation	Top of Riser Elevation	Top of Screen Elevation	Bottom of Screen Elevation	Depth to Water (TOR)	Depth to Product	Product Thickness	Ground Water Elevation	Product Elevation
MW-24D	12/8/2014	1185.50	1187.76	1125.76	1120.76	2.84			1184.92	
MW-24D	4/29/2015	1185.50	1187.76	1125.76	1120.76	2.81			1184.95	
MW-24D	6/10/2015	1185.50	1187.76	1125.76	1120.76	2.93			1184.83	
MW-24D	9/23/2015	1185.50	1187.76	1125.76	1120.76	2.83			1184.93	
MW-24D	12/8/2015	1185.50	1187.76	1125.76	1120.76	5.05			1182.71	
MW-24D	3/15/2016	1185.50	1187.76	1125.76	1120.76	2.60			1185.16	
MW-24D	6/8/2016	1185.50	1187.76	1125.76	1120.76	2.11			1185.65	
MW-24D	9/21/2016	1185.50	1187.76	1125.76	1120.76	2.84			1184.92	
Removed										
MW-25	02/26/2008	1188.38	1190.44	1184.94	1174.94	6.79			1183.65	
MW-25	03/11/2008	1188.38	1190.44	1184.94	1174.94	6.85			1183.59	
MW-25	03/19/2008	1188.38	1190.44	1184.94	1174.94	6.70			1183.74	
MW-25	03/24/2008	1188.38	1190.44	1184.94	1174.94	6.71			1183.73	
MW-25	04/01/2008	1188.38	1190.44	1184.94	1174.94	6.52			1183.92	
MW-25	04/08/2008	1188.38	1190.44	1184.94	1174.94	5.14			1185.30	
MW-25	04/09/2008	1188.38	1190.44	1184.94	1174.94	4.85			1185.59	
MW-25	04/23/2008	1188.38	1190.44	1184.94	1174.94	5.21			1185.23	
MW-25	05/03/2008	1188.38	1190.44	1184.94	1174.94	4.99			1185.45	
MW-25	06/10/2008	1188.38	1190.44	1184.94	1174.94	5.30			1185.14	
MW-25	08/28/2008	1188.38	1190.44	1184.94	1174.94	6.19			1184.25	
MW-25	12/03/2008	1188.38	1190.44	1184.94	1174.94	5.92			1184.52	
MW-25	03/25/2009	1188.38	1190.44	1184.94	1174.94	5.69			1184.75	
MW-25	06/24/2009	1188.38	1190.44	1184.94	1174.94	6.82			1183.62	
MW-25	9/15/2009	1188.38	1190.44	1184.94	1174.94	7.13			1183.31	
MW-25	12/7/2009	1188.38	1190.44	1184.94	1174.94	7.00			1183.44	
MW-25	3/29/2010	1188.38	1190.44	1184.94	1174.94	6.48			1183.96	
MW-25	6/24/2010	1188.38	1190.44	1184.94	1174.94	6.15			1184.29	
MW-25	9/27/2010	1188.38	1190.44	1184.94	1174.94	6.24			1184.20	
MW-25	12/28/2010	1188.38	1190.44	1184.94	1174.94	6.11			1184.33	
MW-25	3/24/2011	1188.38	1190.44	1184.94	1174.94	5.51			1184.93	
MW-25	6/23/2011	1188.38	1190.44	1184.94	1174.94	5.52			1184.92	
MW-25	10/11/2011	1188.38	1190.44	1184.94	1174.94	6.11			1184.33	
MW-25	12/19/2011	1188.38	1190.44	1184.94	1174.94	6.05			1184.39	
MW-25	3/26/2012	1188.38	1190.44	1184.94	1174.94	5.56			1184.88	
MW-25	6/19/2012	1188.38	1190.44	1184.94	1174.94	6.00			1184.44	
MW-25	9/25/2012	1188.38	1190.44	1184.94	1174.94	6.53			1183.91	
MW-25	12/17/2012	1188.38	1190.44	1184.94	1174.94	6.03			1184.41	
MW-25	3/25/2013	1188.38	1190.44	1184.94	1174.94	6.47			1183.97	
MW-25	6/19/2013	1188.38	1190.44	1184.94	1174.94	6.21			1184.23	
MW-25	9/12/2013	1188.38	1190.44	1184.94	1174.94	6.88			1183.56	
MW-25	12/17/2013	1188.38	1190.44	1184.94	1174.94	6.50			1183.94	
MW-25	3/25/2014	1188.38	1190.44	1184.94	1174.94	6.80			1183.64	
MW-25	6/9/2014	1188.38	1190.44	1184.94	1174.94	5.50			1184.94	
MW-25	9/17/2014	1188.38	1190.44	1184.94	1174.94	5.89			1184.55	
MW-25	12/8/2014	1188.38	1190.44	1184.94	1174.94	6.00			1184.44	
MW-25	4/29/2015	1188.38	1190.44	1184.94	1174.94	5.95			1184.49	
MW-25	6/10/2015	1188.38	1190.44	1184.94	1174.94	5.70			1184.74	
MW-25	9/23/2015	1188.38	1190.44	1184.94	1174.94	5.98			1184.46	
MW-25	12/8/2015	1188.38	1190.44	1184.94	1174.94	5.80			1184.64	
MW-25	3/15/2016	1188.38	1190.44	1184.94	1174.94	5.80			1184.64	
MW-25	6/8/2016	1188.38	1190.44	1184.94	1174.94	5.42			1185.02	
MW-25	9/21/2016	1188.38	1190.44	1184.94	1174.94	6.25			1184.19	
MW-25	12/20/2016	1188.38	1190.44	1184.94	1174.94	6.20			1184.24	
Removed										
MW-26	02/28/2008	1189.22	1191.31	1186.81	1176.81	7.94			1183.37	
MW-26	03/11/2008	1189.22	1191.31	1186.81	1176.81	8.04			1183.27	
MW-26	03/19/2008	1189.22	1191.31	1186.81	1176.81	7.91			1183.40	
MW-26	03/24/2008	1189.22	1191.31	1186.81	1176.81	7.91			1183.40	
MW-26	04/01/2008	1189.22	1191.31	1186.81	1176.81	7.78			1183.53	
MW-26	04/08/2008	1189.22	1191.31	1186.81	1176.81	5.57			1185.74	
MW-26	04/09/2008	1189.22	1191.31	1186.81	1176.81	6.14			1185.17	
MW-26	04/23/2008	1189.22	1191.31	1186.81	1176.81	6.52			1184.79	
MW-26	05/03/2008	1189.22	1191.31	1186.81	1176.81	6.41			1184.90	
MW-26	06/10/2008	1189.22	1191.31	1186.81	1176.81	6.95			1184.36	
MW-26	08/28/2008	1189.22	1191.31	1186.81	1176.81	7.80			1183.51	
MW-26	12/03/2008	1189.22	1191.31	1186.81	1176.81	7.26			1184.05	
MW-26	03/25/2009	1189.22	1191.31	1186.81	1176.81	6.89			1184.42	
MW-26	06/24/2009	1189.22	1191.31	1186.81	1176.81	8.21			1183.10	
MW-26	9/15/2009	1189.22	1191.31	1186.81	1176.81	8.49			1182.82	
MW-26	12/7/2009	1189.22	1191.31	1186.81	1176.81	8.33			1182.98	
MW-26	12/22/2009	1189.22	1191.31	1186.81	1176.81	8.30			1183.01	
MW-26	2/3/2010	1189.22	1191.31	1186.81	1176.81	8.35			1182.96	
MW-26	3/29/2010	1189.22	1191.31	1186.81	1176.81	7.86			1183.45	
MW-26	6/24/2010	1189.22	1191.31	1186.81	1176.81	7.38			1183.93	
MW-26	7/20/2010	1189.22	1191.31	1186.81	1176.81	7.33			1183.98	
MW-26	9/27/2010	1189.22	1191.31	1186.81	1176.81	6.91			1184.40	
MW-26	12/28/2010	1189.22	1191.31	1186.81	1176.81	7.62			1183.69	
MW-26	3/24/2011	1189.22	1191.31	1186.81	1176.81	6.73			1184.58	
MW-26	6/23/2011	1189.22	1191.31	1186.81	1176.81	6.88			1184.43	
MW-26	10/11/2011	1189.22	1191.31	1186.81	1176.81	7.49			1183.82	
MW-26	12/19/2011	1189.22	1191.31	1186.81	1176.81	7.30			1184.01	
MW-26	3/26/2012	1189.22	1191.31	1186.81	1176.81	6.95			1184.36	

Table 2
Ground Water Elevations/Product Thickness
Enbridge Energy MP85
Reichel Road, Town of Murry, Rusk County, Wisconsin
WDNR BRRTS# 02-55-548746

Location	Date	Ground Surface Elevation	Top of Riser Elevation	Top of Screen Elevation	Bottom of Screen Elevation	Depth to Water (TOR)	Depth to Product	Product Thickness	Ground Water Elevation	Product Elevation
MW-26	6/19/2012	1189.22	1191.31	1186.81	1176.81	7.28			1184.03	
MW-26	9/25/2012	1189.22	1191.31	1186.81	1176.81	7.89			1183.42	
MW-26	12/17/2012	1189.22	1191.31	1186.81	1176.81	7.33			1183.98	
MW-26	3/25/2013	1189.22	1191.31	1186.81	1176.81	7.81			1183.50	
MW-26	6/19/2013	1189.22	1191.31	1186.81	1176.81	7.61			1183.70	
MW-26	9/12/2013	1189.22	1191.31	1186.81	1176.81	8.22			1183.09	
MW-26	12/16/2013	1189.22	1191.31	1186.81	1176.81	7.85			1183.46	
MW-26	3/25/2014	1189.22	1191.31	1186.81	1176.81	8.14			1183.17	
MW-26	6/9/2014	1189.22	1191.31	1186.81	1176.81	6.85			1184.46	
MW-26	9/17/2014	1189.22	1191.31	1186.81	1176.81	7.26			1184.05	
MW-26	12/8/2014	1189.22	1191.31	1186.81	1176.81	7.37			1183.94	
MW-26	4/29/2015	1189.22	1191.31	1186.81	1176.81	7.29			1184.02	
MW-26	6/10/2015	1189.22	1191.31	1186.81	1176.81	7.03			1184.28	
MW-26	9/23/2015	1189.22	1191.31	1186.81	1176.81	7.30			1184.01	
MW-26	12/8/2015	1189.22	1191.31	1186.81	1176.81	7.20			1184.11	
MW-26	3/15/2016	1189.22	1191.31	1186.81	1176.81	6.97			1184.34	
MW-26	6/8/2016	1189.22	1191.31	1186.81	1176.81	6.72			1184.59	
MW-26	9/21/2016	1189.22	1191.31	1186.81	1176.81	7.57			1183.74	
MW-26	12/20/2016	1189.22	1191.31	1186.81	1176.81	7.50			1183.81	

MW-27	02/27/2008	1189.48	1191.76	1185.76	1175.76	8.07			1183.69	
MW-27	03/11/2008	1189.48	1191.76	1185.76	1175.76	7.90			1183.86	
MW-27	03/19/2008	1189.48	1191.76	1185.76	1175.76	8.00			1183.76	
MW-27	03/24/2008	1189.48	1191.76	1185.76	1175.76	7.99			1183.77	
MW-27	04/01/2008	1189.48	1191.76	1185.76	1175.76	7.96			1183.80	
MW-27	04/08/2008	1189.48	1191.76	1185.76	1175.76	4.91			1186.85	
MW-27	04/09/2008	1189.48	1191.76	1185.76	1175.76	6.36			1185.40	
MW-27	04/23/2008	1189.48	1191.76	1185.76	1175.76	6.56			1185.20	
MW-27	05/03/2008	1189.48	1191.76	1185.76	1175.76	6.42			1185.34	
MW-27	06/10/2008	1189.48	1191.76	1185.76	1175.76	7.10			1184.66	
MW-27	08/28/2008	1189.48	1191.76	1185.76	1175.76	7.81			1183.95	
MW-27	12/03/2008	1189.48	1191.76	1185.76	1175.76	7.36			1184.40	
MW-27	03/25/2009	1189.48	1191.76	1185.76	1175.76	7.12			1184.64	
MW-27	06/24/2009	1189.48	1191.76	1185.76	1175.76	8.24			1183.52	
MW-27	9/15/2009	1189.48	1191.76	1185.76	1175.76	8.51			1183.25	
MW-27	12/7/2009	1189.48	1191.76	1185.76	1175.76	8.43			1183.33	
MW-27	12/22/2009	1189.48	1191.76	1185.76	1175.76	8.40			1183.36	
MW-27	1/5/2010	1189.48	1191.76	1185.76	1175.76	8.38			1183.38	
MW-27	2/3/2010	1189.48	1191.76	1185.76	1175.76	8.42			1183.34	
MW-27	3/29/2010	1189.48	1191.76	1185.76	1175.76	7.98			1183.78	
MW-27	6/24/2010	1189.48	1191.76	1185.76	1175.76	7.51			1184.25	
MW-27	7/20/2010	1189.48	1191.76	1185.76	1175.76	7.45			1184.31	
MW-27	9/27/2010	1189.48	1191.76	1185.76	1175.76	6.87			1184.89	
MW-27	12/28/2010	1189.48	1191.76	1185.76	1175.76	7.67			1184.09	
MW-27	3/24/2011	1189.48	1191.76	1185.76	1175.76	6.83			1184.93	
MW-27	6/23/2011	1189.48	1191.76	1185.76	1175.76	6.99			1184.77	
MW-27	10/11/2011	1189.48	1191.76	1185.76	1175.76	7.56			1184.20	
MW-27	12/19/2011	1189.48	1191.76	1185.76	1175.76	7.43			1184.33	
MW-27	3/26/2012	1189.48	1191.76	1185.76	1175.76	7.15			1184.61	
MW-27	6/19/2012	1189.48	1191.76	1185.76	1175.76	7.41			1184.35	
MW-27	7/18/2012	1189.48	1191.76	1185.76	1175.76	7.95			1183.81	
MW-27	9/25/2012	1189.48	1191.76	1185.76	1175.76	7.93			1183.83	
MW-27	12/17/2012	1189.48	1191.76	1185.76	1175.76	7.49			1184.27	
MW-27	3/25/2013	1189.48	1191.76	1185.76	1175.76	8.00			1183.76	
MW-27	6/19/2013	1189.48	1191.76	1185.76	1175.76	7.80			1183.96	
MW-27	9/12/2013	1189.48	1191.76	1185.76	1175.76	7.58			1184.18	
MW-27	12/16/2013	1189.48	1191.76	1185.76	1175.76	8.00			1183.76	
MW-27	3/25/2014	1189.48	1191.76	1185.76	1175.76	8.29			1183.47	
MW-27	6/9/2014	1189.48	1191.76	1185.76	1175.76	7.03			1184.73	
MW-27	9/17/2014	1189.48	1191.76	1185.76	1175.76	7.47			1184.29	
MW-27	12/8/2014	1189.48	1191.76	1185.76	1175.76	7.60			1184.16	
MW-27	4/29/2015	1189.48	1191.76	1185.76	1175.76	7.51			1184.25	
MW-27	6/10/2015	1189.48	1191.76	1185.76	1175.76	7.28			1184.48	
MW-27	9/23/2015	1189.48	1191.76	1185.76	1175.76	7.48			1184.28	
MW-27	12/8/2015	1189.48	1191.76	1185.76	1175.76	7.47			1184.29	
MW-27	3/15/2016	1189.48	1191.76	1185.76	1175.76	7.08			1184.68	
MW-27	6/8/2016	1189.48	1191.76	1185.76	1175.76	6.84			1184.92	
MW-27	9/21/2016	1189.48	1191.76	1185.76	1175.76	7.78			1183.98	
MW-27	12/20/2016	1189.48	1191.76	1185.76	1175.76	7.70			1184.06	

MW-28	3/24/2008	1193.7	1195.89	1189.39	1179.39	11.17			1184.72	
MW-28	4/1/2008	1193.7	1195.89	1189.39	1179.39	10.87			1185.02	
MW-28	4/8/2008	1193.7	1195.89	1189.39	1179.39	8.00			1187.89	
MW-28	4/9/2008	1193.7	1195.89	1189.39	1179.39	8.57			1187.32	
MW-28	4/23/2008	1193.7	1195.89	1189.39	1179.39	9.71			1186.18	
MW-28	5/3/2008	1193.7	1195.89	1189.39	1179.39	9.49			1186.40	
MW-28	6/10/2008	1193.7	1195.89	1189.39	1179.39	11.32			1184.57	
MW-28	8/28/2008	1193.7	1195.89	1189.39	1179.39	10.53			1185.36	
MW-28	12/3/2008	1193.7	1195.89	1189.39	1179.39	10.35			1185.54	
MW-28	3/25/2009	1193.7	1195.89	1189.39	1179.39	10.18			1185.71	
MW-28	6/24/2009	1193.7	1195.89	1189.39	1179.39	11.16			1184.73	
MW-28	9/15/2009	1193.7	1195.89	1189.39	1179.39	11.50			1184.39	

Table 2
 Ground Water Elevations/Product Thickness
 Enbridge Energy MP85
 Reichel Road, Town of Murry, Rusk County, Wisconsin
 WDNR BRRTS# 02-55-548746

Location	Date	Ground Surface Elevation	Top of Riser Elevation	Top of Screen Elevation	Bottom of Screen Elevation	Depth to Water (TOR)	Depth to Product	Product Thickness	Ground Water Elevation	Product Elevation
MW-28	12/7/2009	1193.7	1195.89	1189.39	1179.39	11.42			1184.47	
MW-28	3/29/2010	1193.7	1195.89	1189.39	1179.39	10.82			1185.07	
MW-28	6/24/2010	1193.7	1195.89	1189.39	1179.39	10.59			1185.30	
MW-28	9/27/2010	1193.7	1195.89	1189.39	1179.39	9.46			1186.43	
MW-28	12/28/2010	1193.7	1195.89	1189.39	1179.39	10.29			1185.60	
MW-28	3/24/2011	1193.7	1195.89	1189.39	1179.39	9.58			1186.31	
MW-28	6/23/2011	1193.7	1195.89	1189.39	1179.39	9.69			1186.20	
MW-28	10/11/2011	1193.7	1195.89	1189.39	1179.39	10.16			1185.73	
MW-28	12/19/2011	1193.7	1195.89	1189.39	1179.39	10.32			1185.57	
MW-28	3/26/2012	1193.7	1195.89	1189.39	1179.39	9.85			1186.04	
MW-28	6/19/2012	1193.7	1195.89	1189.39	1179.39	10.23			1185.66	
MW-28	9/25/2012	1193.7	1195.89	1189.39	1179.39	10.79			1185.10	
MW-28	12/17/2012	1193.7	1195.89	1189.39	1179.39	10.44			1185.45	
MW-28	3/25/2013	1193.7	1195.89	1189.39	1179.39	10.88			1185.01	
MW-28	6/19/2013	1193.7	1195.89	1189.39	1179.39	10.27			1185.62	
MW-28	9/12/2013	1193.7	1195.89	1189.39	1179.39	11.07			1184.82	
MW-28	12/17/2013	1193.7	1195.89	1189.39	1179.39	10.88			1185.01	
MW-28	3/25/2014	1193.7	1195.89	1189.39	1179.39	11.22			1184.67	
MW-28	6/9/2014	1193.7	1195.89	1189.39	1179.39	9.73			1186.16	
MW-28	9/17/2014	1193.7	1195.89	1189.39	1179.39	9.93			1185.96	
MW-28	12/8/2014	1193.7	1195.89	1189.39	1179.39	10.25			1185.64	
MW-28	4/29/2015	1193.7	1195.89	1189.39	1179.39	10.10			1185.79	
MW-28	6/10/2015	1193.7	1195.89	1189.39	1179.39	9.82			1186.07	
MW-28	9/23/2015	1193.7	1195.89	1189.39	1179.39	10.13			1185.76	
MW-28	12/8/2015	1193.7	1195.89	1189.39	1179.39	9.91			1185.98	
MW-28	3/15/2016	1193.7	1195.89	1189.39	1179.39	9.75			1186.14	
MW-28	6/8/2016	1193.7	1195.89	1189.39	1179.39	9.23			1186.66	
MW-28	9/21/2016	1193.7	1195.89	1189.39	1179.39					
MW-28	12/20/2016	1193.7	1195.89	1189.39	1179.39	10.13			1185.76	
MW-29	2/27/2008	1188.17	1189.86	1184.86	1174.86	7.00			1182.86	
MW-29	3/11/2008	1188.17	1189.86	1184.86	1174.86	7.02			1182.84	
MW-29	3/19/2008	1188.17	1189.86	1184.86	1174.86	6.68			1183.18	
MW-29	3/24/2008	1188.17	1189.86	1184.86	1174.86	6.98			1182.88	
MW-29	4/1/2008	1188.17	1189.86	1184.86	1174.86	7.74			1182.12	
MW-29	4/8/2008	1188.17	1189.86	1184.86	1174.86	2.29			1187.57	
MW-29	4/9/2008	1188.17	1189.86	1184.86	1174.86	5.85			1184.01	
MW-29	4/23/2008	1188.17	1189.86	1184.86	1174.86	5.99			1183.87	
MW-29	5/3/2008	1188.17	1189.86	1184.86	1174.86	5.63			1184.23	
MW-29	6/10/2008	1188.17	1189.86	1184.86	1174.86	6.51			1183.35	
MW-29	8/28/2008	1188.17	1189.86	1184.86	1174.86	6.94			1182.92	
MW-29	12/3/2008	1188.17	1189.86	1184.86	1174.86	6.33			1183.53	
MW-29	3/25/2009	1188.17	1189.86	1184.86	1174.86	5.99			1183.87	
MW-29	6/24/2009	1188.17	1189.86	1184.86	1174.86	7.33			1182.53	
MW-29	9/15/2009	1188.17	1189.86	1184.86	1174.86	7.57			1182.29	
MW-29	12/7/2009	1188.17	1189.86	1184.86	1174.86	7.45			1182.41	
MW-29	3/29/2010	1188.17	1189.86	1184.86	1174.86	7.11			1182.75	
MW-29	6/24/2010	1188.17	1189.86	1184.86	1174.86	6.22			1183.64	
MW-29	9/27/2010	1188.17	1189.86	1184.86	1174.86	6.25			1183.61	
MW-29	12/28/2010	1188.17	1189.86	1184.86	1174.86	6.90			1182.96	
MW-29	3/24/2011	1188.17	1189.86	1184.86	1174.86	5.94			1183.92	
MW-29	6/23/2011	1188.17	1189.86	1184.86	1174.86	6.18			1183.68	
MW-29	10/11/2011	1188.17	1189.86	1184.86	1174.86	6.69			1183.17	
MW-29	12/19/2011	1188.17	1189.86	1184.86	1174.86	6.51			1183.35	
MW-29	3/26/2012	1188.17	1189.86	1184.86	1174.86	6.26			1183.60	
MW-29	6/19/2012	1188.17	1189.86	1184.86	1174.86	6.42			1183.44	
MW-29	9/25/2012	1188.17	1189.86	1184.86	1174.86	7.03			1182.83	
MW-29	12/17/2012	1188.17	1189.86	1184.86	1174.86	6.48			1183.38	
MW-29	3/25/2013	1188.17	1189.86	1184.86	1174.86	6.99			1182.87	
MW-29	6/19/2013	1188.17	1189.86	1184.86	1174.86	7.05			1182.81	
MW-29	9/12/2013	1188.17	1189.86	1184.86	1174.86	7.50			1182.36	
MW-29	12/16/2013	1188.17	1189.86	1184.86	1174.86	7.15			1182.71	
MW-29	3/25/2014	1188.17	1189.86	1184.86	1174.86	7.41			1182.45	
MW-29	6/9/2014	1188.17	1189.86	1184.86	1174.86	6.23			1183.63	
MW-29	9/17/2014	1188.17	1189.86	1184.86	1174.86	6.66			1183.20	
MW-29	12/8/2014	1188.17	1189.86	1184.86	1174.86	6.75			1183.11	
MW-29	4/29/2015	1188.17	1189.86	1184.86	1174.86	6.72			1183.14	
MW-29	6/10/2015	1188.17	1189.86	1184.86	1174.86	6.50			1183.36	
MW-29	9/23/2015	1188.17	1189.86	1184.86	1174.86	6.70			1183.16	
MW-29	12/8/2015	1188.17	1189.86	1184.86	1174.86	6.62			1183.24	
MW-29	3/15/2016	1188.17	1189.86	1184.86	1174.86	6.27			1183.59	
MW-29	6/8/2016	1188.17	1189.86	1184.86	1174.86	6.20			1183.66	
MW-29	9/21/2016	1188.17	1189.86	1184.86	1174.86	6.93			1182.93	
MW-29	12/20/2016	1188.17	1189.86	1184.86	1174.86	6.85			1183.01	
MW-30	3/24/2008	1187.7	1190.84	1185.84	1175.84	7.82			1183.02	
MW-30	4/1/2008	1187.7	1190.84	1185.84	1175.84	7.62			1183.22	
MW-30	4/8/2008	1187.7	1190.84	1185.84	1175.84	6.18			1184.66	
MW-30	4/9/2008	1187.7	1190.84	1185.84	1175.84	6.45			1184.39	
MW-30	4/23/2008	1187.7	1190.84	1185.84	1175.84	6.66			1184.18	
MW-30	5/3/2008	1187.7	1190.84	1185.84	1175.84	6.40			1184.44	
MW-30	6/10/2008	1187.7	1190.84	1185.84	1175.84	7.25			1183.59	

Table 2
Ground Water Elevations/Product Thickness
Enbridge Energy MP85
Reichel Road, Town of Murry, Rusk County, Wisconsin
WDNR BRRTS# 02-55-548746

Location	Date	Ground Surface Elevation	Top of Riser Elevation	Top of Screen Elevation	Bottom of Screen Elevation	Depth to Water (TOR)	Depth to Product	Product Thickness	Ground Water Elevation	Product Elevation
MW-30	8/28/2008	1187.7	1190.84	1185.84	1175.84	7.87			1182.97	
MW-30	12/3/2008	1187.7	1190.84	1185.84	1175.84	7.22			1183.62	
MW-30	3/25/2009	1187.7	1190.84	1185.84	1175.84	10.81			1180.03	
MW-30	6/24/2009	1187.7	1190.84	1185.84	1175.84	8.22			1182.62	
MW-30	9/15/2009	1187.7	1190.84	1185.84	1175.84	8.45			1182.39	
MW-30	12/7/2009	1187.7	1190.84	1185.84	1175.84	8.32			1182.52	
MW-30	3/29/2010	1187.7	1190.84	1185.84	1175.84	8.00			1182.84	
MW-30	6/24/2010	1187.7	1190.84	1185.84	1175.84	7.11			1183.73	
MW-30	9/27/2010	1187.7	1190.84	1185.84	1175.84	6.98			1183.86	
MW-30	12/28/2010	1187.7	1190.84	1185.84	1175.84	6.81			1184.03	
MW-30	3/24/2011	1187.7	1190.84	1185.84	1175.84	6.64			1184.20	
MW-30	6/23/2011	1187.7	1190.84	1185.84	1175.84	7.02			1183.82	
MW-30	10/11/2011	1187.7	1190.84	1185.84	1175.84	7.61			1183.23	
MW-30	12/19/2011	1187.7	1190.84	1185.84	1175.84	7.43			1183.41	
MW-30	3/26/2012	1187.7	1190.84	1185.84	1175.84	7.12			1183.72	
MW-30	6/19/2012	1187.7	1190.84	1185.84	1175.84	7.34			1183.50	
MW-30	9/25/2012	1187.7	1190.84	1185.84	1175.84	7.97			1182.87	
MW-30	12/17/2012	1187.7	1190.84	1185.84	1175.84	7.36			1183.48	
MW-30	3/25/2013	1187.7	1190.84	1185.84	1175.84	7.90			1182.94	
MW-30	6/19/2013	1187.7	1190.84	1185.84	1175.84	7.91			1182.93	
MW-30	9/12/2013	1187.7	1190.84	1185.84	1175.84	8.33			1182.51	
MW-30	12/16/2013	1187.7	1190.84	1185.84	1175.84	8.00			1182.84	
MW-30	3/25/2014	1187.7	1190.84	1185.84	1175.84	8.28			1182.56	
MW-30	6/9/2014	1187.7	1190.84	1185.84	1175.84	7.11			1183.73	
MW-30	9/17/2014	1187.7	1190.84	1185.84	1175.84	7.51			1183.33	
MW-30	12/8/2014	1187.7	1190.84	1185.84	1175.84	7.59			1183.25	
MW-30	4/29/2015	1187.7	1190.84	1185.84	1175.84	7.60			1183.24	
MW-30	6/10/2015	1187.7	1190.84	1185.84	1175.84	7.36			1183.48	
MW-30	9/23/2015	1187.7	1190.84	1185.84	1175.84	7.53			1183.31	
MW-30	12/8/2015	1187.7	1190.84	1185.84	1175.84	7.52			1183.32	
MW-30	3/15/2016	1187.7	1190.84	1185.84	1175.84	7.11			1183.73	
MW-30	6/8/2016	1187.7	1190.84	1185.84	1175.84	7.00			1183.84	
MW-30	9/21/2016	1187.7	1190.84	1185.84	1175.84	7.92			1182.92	
MW-30	12/20/2016	1187.7	1190.84	1185.84	1175.84	7.69			1183.15	

MW-31	3/24/2008	1222.3	1223.99	1188.49	1178.49	38.67			1185.32	
MW-31	4/1/2008	1222.3	1223.99	1188.49	1178.49	38.50			1185.49	
MW-31	6/10/2008	1222.3	1223.99	1188.49	1178.49	37.51			1186.48	
MW-31	8/28/2008	1222.3	1223.99	1188.49	1178.49	37.94			1186.05	
MW-31	12/3/2008	1222.3	1223.99	1188.49	1178.49	37.70			1186.29	
MW-31	3/25/2009	1222.3	1223.99	1188.49	1178.49	37.88			1186.11	
MW-31	6/24/2009	1222.3	1223.99	1188.49	1178.49	38.51			1185.48	
MW-31	9/15/2009	1222.3	1223.99	1188.49	1178.49	38.90			1185.09	
MW-31	12/7/2009	1222.3	1223.99	1188.49	1178.49	38.88			1185.11	
MW-31	3/29/2010	1222.3	1223.99	1188.49	1178.49	38.37			1185.62	
MW-31	6/24/2010	1222.3	1223.99	1188.49	1178.49	38.19			1185.80	
MW-31	9/27/2010	1222.3	1223.99	1188.49	1178.49	37.34			1186.65	
MW-31	12/28/2010	1222.3	1223.99	1188.49	1178.49	37.44			1186.55	
MW-31	3/24/2011	1222.3	1223.99	1188.49	1178.49	37.35			1186.64	
MW-31	6/23/2011	1222.3	1223.99	1188.49	1178.49	36.87			1187.12	
MW-31	10/11/2011	1222.3	1223.99	1188.49	1178.49	37.32			1186.67	
MW-31	12/19/2011	1222.3	1223.99	1188.49	1178.49	37.54			1186.45	
MW-31	3/26/2012	1222.3	1223.99	1188.49	1178.49	37.32			1186.67	
MW-31	6/19/2012	1222.3	1223.99	1188.49	1178.49	37.11			1186.88	
MW-31	9/25/2012	1222.3	1223.99	1188.49	1178.49	38.03			1185.96	
MW-31	12/17/2012	1222.3	1223.99	1188.49	1178.49	37.76			1186.23	
MW-31	3/25/2013	1222.3	1223.99	1188.49	1178.49	38.19			1185.80	
MW-31	6/19/2013	1222.3	1223.99	1188.49	1178.49	37.40			1186.59	
MW-31	9/12/2013	1222.3	1223.99	1188.49	1178.49	38.34			1185.65	
MW-31	12/17/2013	1222.3	1223.99	1188.49	1178.49	38.22			1185.77	
MW-31	3/25/2014	1222.3	1223.99	1188.49	1178.49	38.59			1185.40	
MW-31	6/9/2014	1222.3	1223.99	1188.49	1178.49	37.06			1186.93	
MW-31	9/17/2014	1222.3	1223.99	1188.49	1178.49	37.21			1186.78	
MW-31	12/8/2014	1222.3	1223.99	1188.49	1178.49	37.54			1186.45	
MW-31	4/29/2015	1222.3	1223.99	1188.49	1178.49	37.39			1186.60	
MW-31	6/10/2015	1222.3	1223.99	1188.49	1178.49	37.20			1186.79	
MW-31	9/23/2015	1222.3	1223.99	1188.49	1178.49	37.50			1186.49	
MW-31	12/8/2015	1222.3	1223.99	1188.49	1178.49	37.10			1186.89	
MW-31	3/15/2016	1222.3	1223.99	1188.49	1178.49	36.94			1187.05	
MW-31	6/8/2016	1222.3	1223.99	1188.49	1178.49	36.66			1187.33	
MW-31	9/21/2016	1222.3	1223.99	1188.49	1178.49	37.42			1186.57	

Removed

MW-32	3/24/2008	1220.5	1222.67	1188.17	1178.17	37.28			1185.39	
MW-32	4/1/2008	1220.5	1222.67	1188.17	1178.17	37.23			1185.44	
MW-32	6/10/2008	1220.5	1222.67	1188.17	1178.17	36.19			1186.48	
MW-32	8/28/2008	1220.5	1222.67	1188.17	1178.17	36.66			1186.01	
MW-32	12/3/2008	1220.5	1222.67	1188.17	1178.17	36.45			1186.22	
MW-32	3/25/2009	1220.5	1222.67	1188.17	1178.17	36.68			1185.99	
MW-32	6/24/2009	1220.5	1222.67	1188.17	1178.17	37.27			1185.40	
MW-32	9/15/2009	1220.5	1222.67	1188.17	1178.17	37.65			1185.02	
MW-32	12/7/2009	1220.5	1222.67	1188.17	1178.17	37.62			1185.05	
MW-32	3/29/2010	1220.5	1222.67	1188.17	1178.17	37.14			1185.53	

Table 2
 Ground Water Elevations/Product Thickness
 Enbridge Energy MP85
 Reichel Road, Town of Murry, Rusk County, Wisconsin
 WDNR BRRTS# 02-55-548746

Location	Date	Ground Surface Elevation	Top of Riser Elevation	Top of Screen Elevation	Bottom of Screen Elevation	Depth to Water (TOR)	Depth to Product	Product Thickness	Ground Water Elevation	Product Elevation
MW-32	6/24/2010	1220.5	1222.67	1188.17	1178.17	36.93			1185.74	
MW-32	9/27/2010	1220.5	1222.67	1188.17	1178.17	35.98			1186.69	
MW-32	12/24/2010	1220.5	1222.67	1188.17	1178.17	36.21			1186.46	
MW-32	3/24/2011	1220.5	1222.67	1188.17	1178.17	35.96			1186.71	
MW-32	6/23/2011	1220.5	1222.67	1188.17	1178.17	35.62			1187.05	
MW-32	7/7/2011	1220.5	1222.67	1188.17	1178.17	37.79			1184.88	
MW-32	7/28/2011	1220.5	1222.67	1188.17	1178.17	37.80			1184.87	
MW-32	8/15/2011	1220.5	1222.67	1188.17	1178.17	37.80			1184.87	
MW-32	10/11/2011	1220.5	1222.67	1188.17	1178.17	36.08			1186.59	
MW-32	12/19/2011	1220.5	1222.67	1188.17	1178.17	36.28			1186.39	
MW-32	3/26/2012	1220.5	1222.67	1188.17	1178.17	36.06			1186.61	
MW-32	6/19/2012	1220.5	1222.67	1188.17	1178.17	36.26			1186.41	
MW-32	9/25/2012	1220.5	1222.67	1188.17	1178.17	36.82			1185.85	
MW-32	12/17/2012	1220.5	1222.67	1188.17	1178.17	36.52			1186.15	
MW-32	3/25/2013	1220.5	1222.67	1188.17	1178.17	36.98			1185.69	
MW-32	6/19/2013	1220.5	1222.67	1188.17	1178.17	36.22			1186.45	
MW-32	9/12/2013	1220.5	1222.67	1188.17	1178.17	37.10			1185.57	
MW-32	12/17/2013	1220.5	1222.67	1188.17	1178.17	37.00			1185.67	
MW-32	3/25/2014	1220.5	1222.67	1188.17	1178.17	37.39			1185.28	
MW-32	6/9/2014	1220.5	1222.67	1188.17	1178.17	35.45			1187.22	
MW-32	9/17/2014	1220.5	1222.67	1188.17	1178.17	35.95			1186.72	
MW-32	12/8/2014	1220.5	1222.67	1188.17	1178.17	36.30			1186.37	
MW-32	4/29/2015	1220.5	1222.67	1188.17	1178.17	36.12			1186.55	
MW-32	6/10/2015	1220.5	1222.67	1188.17	1178.17	35.91			1186.76	
MW-32	9/23/2015	1220.5	1222.67	1188.17	1178.17	36.22			1186.45	
MW-32	12/8/2015	1220.5	1222.67	1188.17	1178.17	35.85			1186.82	
MW-32	3/15/2016	1220.5	1222.67	1188.17	1178.17	35.61			1187.06	
MW-32	6/8/2016	1220.5	1222.67	1188.17	1178.17	35.30			1187.37	
MW-32	9/21/2016	1220.5	1222.67	1188.17	1178.17	36.23			1186.44	
MW-32	12/20/2016	1220.5	1222.67	1188.17	1178.17	36.10			1186.57	
MW-33	11/19/2008	1222.94	1224.97	1194.72	1174.72	38.59			1186.38	
MW-33	1/2/2009	1222.94	1224.97	1194.72	1174.72	38.57			1186.40	
MW-33	2/4/2009	1222.94	1224.97	1194.72	1174.72	38.69			1186.28	
MW-33	2/10/2009	1222.94	1224.97	1194.72	1174.72	38.71			1186.26	
MW-33	2/17/2009	1222.94	1224.97	1194.72	1174.72	38.69			1186.28	
MW-33	3/4/2009	1222.94	1224.97	1194.72	1174.72	38.80			1186.17	
MW-33	3/11/2009	1222.94	1224.97	1194.72	1174.72	38.82			1186.15	
MW-33	3/17/2009	1222.94	1224.97	1194.72	1174.72	38.66			1186.31	
MW-33	3/25/2009	1222.94	1224.97	1194.72	1174.72	38.57			1186.40	
MW-33	3/31/2009	1222.94	1224.97	1194.72	1174.72	41.00			1183.97	
MW-33	4/8/2009	1222.94	1224.97	1194.72	1174.72	38.68			1186.29	
MW-33	4/13/2009	1222.94	1224.97	1194.72	1174.72	38.74			1186.23	
MW-33	4/22/2009	1222.94	1224.97	1194.72	1174.72	38.85			1186.12	
MW-33	4/29/2009	1222.94	1224.97	1194.72	1174.72	38.77			1186.20	
MW-33	5/12/2009	1222.94	1224.97	1194.72	1174.72	38.72			1186.25	
MW-33	5/19/2009	1222.94	1224.97	1194.72	1174.72	38.89			1186.08	
MW-33	6/3/2009	1222.94	1224.97	1194.72	1174.72	39.10			1185.87	
MW-33	6/10/2009	1222.94	1224.97	1194.72	1174.72	39.04			1185.93	
MW-33	6/16/2009	1222.94	1224.97	1194.72	1174.72	39.16			1185.81	
MW-33	6/24/2009	1222.94	1224.97	1194.72	1174.72	39.21			1185.76	
MW-33	6/30/2009	1222.94	1224.97	1194.72	1174.72	39.30			1185.67	
MW-33	7/8/2009	1222.94	1224.97	1194.72	1174.72	39.55			1185.42	
MW-33	7/20/2009	1222.94	1224.97	1194.72	1174.72	39.44			1185.53	
MW-33	8/4/2009	1222.94	1224.97	1194.72	1174.72	39.38			1185.59	
MW-33	8/18/2009	1222.94	1224.97	1194.72	1174.72	39.50			1185.47	
MW-33	9/1/2009	1222.94	1224.97	1194.72	1174.72	39.51			1185.46	
MW-33	9/15/2009	1222.94	1224.97	1194.72	1174.72	39.59			1185.38	
MW-33	9/29/2009	1222.94	1224.97	1194.72	1174.72	39.58			1185.39	
MW-33	10/15/2009	1222.94	1224.97	1194.72	1174.72	39.45			1185.52	
MW-33	10/28/2009	1222.94	1224.97	1194.72	1174.72	39.30			1185.67	
MW-33	11/11/2009	1222.94	1224.97	1194.72	1174.72	39.35			1185.62	
MW-33	12/1/2009	1222.94	1224.97	1194.72	1174.72	38.47			1186.50	
MW-33	12/7/2009	1222.94	1224.97	1194.72	1174.72	39.55			1185.42	
MW-33	12/22/2009	1222.94	1224.97	1194.72	1174.72	39.54			1185.43	
MW-33	1/5/2010	1222.94	1224.97	1194.72	1174.72	39.48			1185.49	
MW-33	1/19/2010	1222.94	1224.97	1194.72	1174.72	39.52			1185.45	
MW-33	2/3/2010	1222.94	1224.97	1194.72	1174.72	39.49			1185.48	
MW-33	2/16/2010	1222.94	1224.97	1194.72	1174.72	39.50			1185.47	
MW-33	3/3/2010	1222.94	1224.97	1194.72	1174.72	39.50			1185.47	
MW-33	3/16/2010	1222.94	1224.97	1194.72	1174.72	38.70			1186.27	
MW-33	3/30/2010	1222.94	1224.97	1194.72	1174.72	38.98			1185.99	
MW-33	4/13/2010	1222.94	1224.97	1194.72	1174.72	39.21			1185.76	
MW-33	4/27/2010	1222.94	1224.97	1194.72	1174.72	39.18			1185.79	
MW-33	5/12/2010	1222.94	1224.97	1194.72	1174.72	39.23			1185.74	
MW-33	5/26/2010	1222.94	1224.97	1194.72	1174.72	39.19			1185.78	
MW-33	6/8/2010	1222.94	1224.97	1194.72	1174.72	39.14			1185.83	
MW-33	6/24/2010	1222.94	1224.97	1194.72	1174.72	38.73			1186.24	
MW-33	7/7/2010	1222.94	1224.97	1194.72	1174.72	38.78			1186.19	
MW-33	7/20/2010	1222.94	1224.97	1194.72	1174.72	38.67			1186.30	
MW-33	8/3/2010	1222.94	1224.97	1194.72	1174.72	38.73			1186.24	
MW-33	8/16/2010	1222.94	1224.97	1194.72	1174.72	38.32			1186.65	
MW-33	8/31/2010	1222.94	1224.97	1194.72	1174.72	38.50			1186.47	

Table 2
Ground Water Elevations/Product Thickness
Enbridge Energy MP85
Reichel Road, Town of Murry, Rusk County, Wisconsin
WDNR BRRTS# 02-55-548746

Location	Date	Ground Surface Elevation	Top of Riser Elevation	Top of Screen Elevation	Bottom of Screen Elevation	Depth to Water (TOR)	Depth to Product	Product Thickness	Ground Water Elevation	Product Elevation
MW-33	9/14/2010	1222.94	1224.97	1194.72	1174.72	38.50			1186.47	
MW-33	9/27/2010	1222.94	1224.97	1194.72	1174.72	37.99			1186.98	
MW-33	10/12/2010	1222.94	1224.97	1194.72	1174.72	38.20			1186.77	
MW-33	10/25/2010	1222.94	1224.97	1194.72	1174.72	38.10			1186.87	
MW-33	11/9/2010	1222.94	1224.97	1194.72	1174.72	37.92			1187.05	
MW-33	11/30/2010	1222.94	1224.97	1194.72	1174.72	37.92			1187.05	
MW-33	12/16/103	1222.94	1224.97	1194.72	1174.72	37.90			1187.07	
MW-33	12/28/2010	1222.94	1224.97	1194.72	1174.72	37.97			1187.00	
MW-33	1/25/2011	1222.94	1224.97	1194.72	1174.72	38.22			1186.75	
MW-33	2/8/2011	1222.94	1224.97	1194.72	1174.72	38.25			1186.72	
MW-33	2/21/2011	1222.94	1224.97	1194.72	1174.72	38.26			1186.71	
MW-33	3/8/2011	1222.94	1224.97	1194.72	1174.72	38.39			1186.58	
MW-33	3/24/2011	1222.94	1224.97	1194.72	1174.72	37.98			1186.99	
MW-33	4/4/2011	1222.94	1224.97	1194.72	1174.72	37.93			1187.04	
MW-33	4/26/2011	1222.94	1224.97	1194.72	1174.72	37.65			1187.32	
MW-33	5/10/2011	1222.94	1224.97	1194.72	1174.72	37.60			1187.37	
MW-33	5/23/2011	1222.94	1224.97	1194.72	1174.72	37.56			1187.41	
MW-33	6/7/2011	1222.94	1224.97	1194.72	1174.72	37.58			1187.39	
MW-33	6/23/2011	1222.94	1224.97	1194.72	1174.72	37.51			1187.46	
MW-33	7/7/2011	1222.94	1224.97	1194.72	1174.72	37.79			1187.18	
MW-33	7/28/2011	1222.94	1224.97	1194.72	1174.72	37.80			1187.17	
MW-33	8/15/2011	1222.94	1224.97	1194.72	1174.72	37.80			1187.17	
MW-33	10/11/2011	1222.94	1224.97	1194.72	1174.72	37.93			1187.04	
MW-33	12/19/2011	1222.94	1224.97	1194.72	1174.72	38.09			1186.88	
MW-33	1/10/2012	1222.94	1224.97	1194.72	1174.72	38.15			1186.82	
MW-33	1/24/2012	1222.94	1224.97	1194.72	1174.72	38.38			1186.59	
MW-33	2/6/2012	1222.94	1224.97	1194.72	1174.72	38.42			1186.55	
MW-33	2/20/2012	1222.94	1224.97	1194.72	1174.72	38.55			1186.42	
MW-33	3/6/2012	1222.94	1224.97	1194.72	1174.72	38.55			1186.42	
MW-33	3/26/2012	1222.94	1224.97	1194.72	1174.72	37.91			1187.06	
MW-33	4/10/2012	1222.94	1224.97	1194.72	1174.72	38.20			1186.77	
MW-33	4/23/2012	1222.94	1224.97	1194.72	1174.72	38.08			1186.89	
MW-33	5/7/2012	1222.94	1224.97	1194.72	1174.72	38.02			1186.95	
MW-33	5/22/2012	1222.94	1224.97	1194.72	1174.72	38.28			1186.69	
MW-33	6/5/2012	1222.94	1224.97	1194.72	1174.72	38.22			1186.75	
MW-33	6/20/2012	1222.94	1224.97	1194.72	1174.72	38.17			1186.80	
MW-33	7/18/2012	1222.94	1224.97	1194.72	1174.72	38.48			1186.49	
MW-33	7/30/2012	1222.94	1224.97	1194.72	1174.72	38.44			1186.53	
MW-33	8/12/2012	1222.94	1224.97	1194.72	1174.72	38.58			1186.39	
MW-33	8/29/2012	1222.94	1224.97	1194.72	1174.72	38.69			1186.28	
MW-33	9/12/2012	1222.94	1224.97	1194.72	1174.72	38.71			1186.26	
MW-33	9/25/2012	1222.94	1224.97	1194.72	1174.72	38.66			1186.31	
MW-33	10/16/2012	1222.94	1224.97	1194.72	1174.72	38.50			1186.47	
MW-33	10/30/2012	1222.94	1224.97	1194.72	1174.72	38.40			1186.57	
MW-33	11/12/2012	1222.94	1224.97	1194.72	1174.72	38.42			1186.55	
MW-33	12/4/2012	1222.94	1224.97	1194.72	1174.72	38.48			1186.49	
MW-33	12/17/2012	1222.94	1224.97	1194.72	1174.72	38.46			1186.51	
MW-33	1/2/2013	1222.94	1224.97	1194.72	1174.72	38.60			1186.37	
MW-33	1/15/2013	1222.94	1224.97	1194.72	1174.72	38.78			1186.19	
MW-33	1/29/2013	1222.94	1224.97	1194.72	1174.72	38.86			1186.11	
MW-33	2/12/2013	1222.94	1224.97	1194.72	1174.72	38.80			1186.17	
MW-33	2/25/2013	1222.94	1224.97	1194.72	1174.72	38.86			1186.11	
MW-33	3/12/2013	1222.94	1224.97	1194.72	1174.72	38.59			1186.38	
MW-33	3/25/2013	1222.94	1224.97	1194.72	1174.72	38.90			1186.07	
MW-33	4/9/2013	1222.94	1224.97	1194.72	1174.72	38.46			1186.51	
MW-33	4/22/2013	1222.94	1224.97	1194.72	1174.72	38.15			1186.82	
MW-33	5/9/2013	1222.94	1224.97	1194.72	1174.72	37.64			1187.33	
MW-33	6/19/2013	1222.94	1224.97	1194.72	1174.72	38.18			1186.79	
MW-33	7/17/2013	1222.94	1224.97	1194.72	1174.72	38.46			1186.51	
MW-33	8/13/2013	1222.94	1224.97	1194.72	1174.72	38.76			1186.21	
MW-33	9/12/2013	1222.94	1224.97	1194.72	1174.72	39.00			1185.97	
MW-33	10/31/2013	1222.94	1224.97	1194.72	1174.72	38.82			1186.15	
MW-33	11/13/2013	1222.94	1224.97	1194.72	1174.72	38.82			1186.15	
MW-33	12/17/2013	1222.94	1224.97	1194.72	1174.72	38.85			1186.12	
MW-33	1/21/2014	1222.94	1224.97	1194.72	1174.72	39.09			1185.88	
MW-33	2/18/2014	1222.94	1224.97	1194.72	1174.72	39.22			1185.75	
MW-33	3/25/2014	1222.94	1224.97	1194.72	1174.72	39.31			1185.66	
MW-33	4/16/2014	1222.94	1224.97	1194.72	1174.72	38.15			1186.82	
MW-33	6/9/2014	1222.94	1224.97	1194.72	1174.72	37.68			1187.29	
MW-33	7/17/2014	1222.94	1224.97	1194.72	1174.72	37.97			1187.00	
MW-33	8/19/2014	1222.94	1224.97	1194.72	1174.72	38.18			1186.79	
MW-33	9/17/2014	1222.94	1224.97	1194.72	1174.72	37.81			1187.16	
MW-33	10/14/2014	1222.94	1224.97	1194.72	1174.72	38.00			1186.97	
MW-33	11/13/2014	1222.94	1224.97	1194.72	1174.72	38.06			1186.91	
MW-33	12/8/2014	1222.94	1224.97	1194.72	1174.72	38.08			1186.89	
MW-33	1/13/2015	1222.94	1224.97	1194.72	1174.72	38.22			1186.75	
MW-33	2/24/2015	1222.94	1224.97	1194.72	1174.72	38.47			1186.50	
MW-33	4/29/2015	1222.94	1224.97	1194.72	1174.72	38.02			1186.95	
MW-33	6/10/2015	1222.94	1224.97	1194.72	1174.72	37.80			1187.17	
MW-33	7/13/2015	1222.94	1224.97	1194.72	1174.72	37.99			1186.98	
MW-33	7/30/2015	1222.94	1224.97	1194.72	1174.72	38.19			1186.78	
MW-33	8/20/2015	1222.94	1224.97	1194.72	1174.72	38.15			1186.82	
MW-33	9/23/2015	1222.94	1224.97	1194.72	1174.72	38.17			1186.80	
MW-33	11/12/2015	1222.94	1224.97	1194.72	1174.72	37.81			1187.16	

Table 2
Ground Water Elevations/Product Thickness
Enbridge Energy MP85
Reichel Road, Town of Murry, Rusk County, Wisconsin
WDNR BRRTS# 02-55-548746

Location	Date	Ground Surface Elevation	Top of Riser Elevation	Top of Screen Elevation	Bottom of Screen Elevation	Depth to Water (TOR)	Depth to Product	Product Thickness	Ground Water Elevation	Product Elevation
MW-33	12/8/2015	1222.94	1224.97	1194.72	1174.72	37.73			1187.24	
MW-33	1/14/2016	1222.94	1224.97	1194.72	1174.72	37.83			1187.14	
MW-33	2/3/2016	1222.94	1224.97	1194.72	1174.72	38.10			1186.87	
MW-33	3/15/2016	1222.94	1224.97	1194.72	1174.72	37.80			1187.17	
MW-33	4/11/2016	1222.94	1224.97	1194.72	1174.72	37.79			1187.18	
MW-33	5/5/2016	1222.94	1224.97	1194.72	1174.72	37.61			1187.36	
MW-33	6/8/2016	1222.94	1224.97	1194.72	1174.72	37.27			1187.70	
MW-33	7/13/2016	1222.94	1224.97	1194.72	1174.72	37.56			1187.41	
MW-33	8/11/2016	1222.94	1224.97	1194.72	1174.72	37.77			1187.20	
MW-33	9/21/2016	1222.94	1224.97	1194.72	1174.72	37.97			1187.00	
MW-33	10/24/2016	1222.94	1224.97	1194.72	1174.72	37.90			1187.07	
MW-33	12/6/2016	1222.94	1224.97	1194.72	1174.72	38.00			1186.97	
MW-33	12/20/2016	1222.94	1224.97	1194.72	1174.72	38.00			1186.97	
MW-34	11/19/2008	1223.1	1225.14	1197.29	1177.29	38.31			1186.83	
MW-34	12/3/2008	1223.1	1225.14	1197.29	1177.29	38.59			1186.55	
MW-34	1/2/2009	1223.1	1225.14	1197.29	1177.29	38.83			1186.31	
MW-34	2/4/2009	1223.1	1225.14	1197.29	1177.29	38.91			1186.23	
MW-34	2/10/2009	1223.1	1225.14	1197.29	1177.29	38.94			1186.20	
MW-34	2/17/2009	1223.1	1225.14	1197.29	1177.29	38.93			1186.21	
MW-34	3/4/2009	1223.1	1225.14	1197.29	1177.29	39.01			1186.13	
MW-34	3/11/2009	1223.1	1225.14	1197.29	1177.29	39.04			1186.10	
MW-34	3/17/2009	1223.1	1225.14	1197.29	1177.29	38.91			1186.23	
MW-34	3/25/2009	1223.1	1225.14	1197.29	1177.29	38.82			1186.32	
MW-34	3/31/2009	1223.1	1225.14	1197.29	1177.29	38.80			1186.34	
MW-34	4/8/2009	1223.1	1225.14	1197.29	1177.29	38.95			1186.19	
MW-34	4/13/2009	1223.1	1225.14	1197.29	1177.29	39.05			1186.09	
MW-34	4/22/2009	1223.1	1225.14	1197.29	1177.29	36.11			1189.03	
MW-34	4/29/2009	1223.1	1225.14	1197.29	1177.29	39.03			1186.11	
MW-34	5/12/2009	1223.1	1225.14	1197.29	1177.29	38.98			1186.16	
MW-34	5/19/2009	1223.1	1225.14	1197.29	1177.29	39.19			1185.95	
MW-34	6/3/2009	1223.1	1225.14	1197.29	1177.29	39.35			1185.79	
MW-34	6/10/2009	1223.1	1225.14	1197.29	1177.29	39.34			1185.80	
MW-34	6/16/2009	1223.1	1225.14	1197.29	1177.29	39.47			1185.67	
MW-34	6/24/2009	1223.1	1225.14	1197.29	1177.29	39.45			1185.69	
MW-34	6/30/2009	1223.1	1225.14	1197.29	1177.29	39.25			1185.89	
MW-34	7/8/2009	1223.1	1225.14	1197.29	1177.29	39.62			1185.52	
MW-34	7/20/2009	1223.1	1225.14	1197.29	1177.29	39.70			1185.44	

Table 3
Air Sparging Injection Air Pressure and Flow Rates
Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin

Date	AS-1		AS-2		AS-3		AS-4		AS-5		AS-6		AS-7		AS-MW-7d		Sparge Blower #1		Sparge Blower #2		Comments
	Flow Rate (scfm)	Pressure (psi)	Flow Rate (scfm)	Pressure (psi)	Flow Rate (scfm)	Pressure (psi)	Flow Rate (scfm)	Pressure (psi)	Flow Rate (scfm)	Pressure (psi)	Flow Rate (scfm)	Pressure (psi)	Flow Rate (scfm)	Pressure (psi)	Flow Rate (scfm)	Pressure (psi)	Flow Rate (scfm)	Pressure (psi)	Flow Rate (scfm)	Pressure (psi)	
04/08/08	8.5	2.5	8.5	2.5	8.5	2.5	8.5	2.5	8.5	2.5	8.5	2.5	8.5	2.5							
04/15/08	9		9		9		9		9		9		9								
04/21/08	8.5		8.5		8.5		8.5		8.5		8.5		8.5								
04/28/08	8	3	8	3	8	3	8	3	8	3	8	3	8	3							
05/06/08	6.5		6.5		6.5		6.5		6.5		6.5		6.5								
05/22/08	7.5	3	7.5	3	7.5	3	7.5	3	7.5	3	7.5	3	7.5	3							
06/04/08	7	3	7	3	7	3	7	3	7	3	7	3	7	3							
06/27/08	3	2.8	3	2.8	3	2.8	3	2.8	3	2.8	3	2.8	3	2.8							
07/22/08	0	0	0	0	3	5	6	5	8	4	7	2	6	2			20			23	
07/23/08	0	0	0	0	3	4	4	4	5	4	10	2	8	2			123		12	123	14
07/30/08	0	0	0	0	3	4	4	4	6	4	9	1	8	1			120		12.5	120	15
08/05/08	0	0	0	0	3	5	5	5	5	4	9	2	8	3			147		18	136	18
08/12/08	0	0	0	0	3	4.5	4	4	6	4	10	0.5	8	0.5			145		18	136	18
08/19/08	0	0	0	0	2	4.5	4	4	6	4	8	1	10	1			150		19	150	18
08/27/08	0	0	0	0	2	4.5	4	4.5	6	4	10	1	8	2			145		19	128	18
09/09/08	0	0	0	0	1	4	5	4.2	7	4	10	1	8.5	1.2			154		18	132	17
09/16/08	0	0	0	0	1	5	3	5	6.5	4	1	1	8.5	1			154		18	132	17
09/24/08	0	0	0	0	1	4.5	4.5	4.2	7	4	10	1	8.5	2			154		18	141	17
09/30/08	0	0	0	0	1	4.5	4	4.5	7	4	10	1.5	8.5	1.4			132		19	0	0
10/06/08	8.5	7	0	0	4	6	0	0	0	0	11	3	0	0			0		0	154	19
10/14/08	7	3.5	1	3.5	1	5	1	5	6	4	10	1	8	1.5			0		0	158	19
10/21/08	7	3.5	1	3.5	1	4.75	1	5	6	4	9.5	1.5	8	2			0		0	154	19
11/04/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0		0	132	18
11/11/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0			145		20	0	0
11/19/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0		0	145	20
12/04/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0			150		22	0	0
12/10/08	0	0	0	0	0	0	0	0	0	0	0	0	0	0			NR		21	0	0
12/26/08	13.5	5	1	5.5	2	4.5	2	7	1	5	5.5	0	1	5.5			NR		20	0	0
01/02/09	14	4	1	6	2	4	1	7	1	5	5	0	1.5	5.5			0		0	92	21
01/09/09	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR			NR		NR	NR	NR
01/20/09	1	2.5	1	2.5	1	2	1	3	5.5	3.5	11.5	0	7	0			0		0	132	20
01/27/09	1	1	1	1	1	1	1	2	4	2.5	12	0.5	10	1			NR		22	0	5
02/04/09	1	1	1	1	1	1	1	1	7.5	15	1	11	1	1			0		0	110	28
02/11/09																	FROZEN		19.5	0	0
02/17/09	1	1	2	1	2	1	2	2.5	4.5	1	11.5	2.5	10	1			0		0	132	20
02/27/09	1.5	0	1	0	1	0	0.5	1	4.5	0	11.5	2	10.5	0			123		21	0	0
03/04/09	3.5	2.5	1	2.5	1	2	1	3	5	0	12.5	3.5	16	2			0		0	136	20
03/11/09	0	0	0	0	2	3	1	4	5.5	0	13	3.5	16	2.5			123		20	0	0
03/17/09	5	3	1	3	2	3	1	4	0	0	13.5	3.5	16	2.25			0		0	136	20.5
03/24/09	5.5	2.5	1.5	2.75	1.5	2.5	1	3.5	1.5	2	13.5	3.5	15.5	2.5			0		0	123	20
03/31/09	1.2	3	1	3	1	3	1	4	5.5	2.75	12.5	3.5	14.5	3.75			0		0	0	0
04/08/09	2	3	1	3	1	2.75	1	4.75	5.5	2.5	11.5	3.5	15	2.5			0		0	0	0
04/13/09	2	3	2	2.25	2	2	2	3	5.5	2	10.5	3.5	16	2.25			0		0	0	0
04/22/09	1.5	2	1.5	2	1.5	1	1.5	2.5	5	1.5	11	3	18	1.5			0		0	0	0
04/29/09	1	2.75	2	2.5	2	2.5	1	3.25	5	2.25	11	3.25	17.25	2			0		0	0	0
05/12/09	1	2.25	1	2	1.5	1.75	1	2.5	5	1.75	11	3.25	17	1.75			0		0	0	0
05/19/09	1	2.5	1	2	1	2.25	1.5	3	4.5	2	11	3.25	17.5	2			0		0	0	0
06/03/09	1	3	1	3	1	2.75	1	3.5	5	2.5	11	3	19	2			0		0	0	0
06/10/09	2.5	3	2	2.25	1.5	2	1.5	3	6	2	12.5	3.25	11.5	1.75			0		0	0	0
06/16/09	3	2	1.5	2	1	1.75	1	2.5	5.5	1.75	13	3.5	12.5	1			0		0	0	0
06/24/09	3	2	1.5	2	1	1.75	1	2.5	5.5	1.75	13	3.5	12.5	1			0		0	0	0
06/30/09	2	2.5	2	2	1.5	2	1	3	5.5	2	13	3	12.5	2			0		0	0	0
07/08/09	1	3	2	2.5	1	2	2	3	5.5	2	12.5	3	13	2			0		0	0	0
07/20/09	2	1	2	1	1	1	1	2.25	5.5	1.5	13	3	13.5	1			0		0	0	0
08/04/09	2	1.5	2	1	1	1	1	2	5.5	1	13	2.5	13.5	1			0		0	0	0
08/18/09	2	1.5	1.5	1	2	1	1	2	5	2	13	2	14	1			0		0	0	0
09/11/09	11	3	7	3	5	3	1	3	6	2.5	0	0	0	0			0		0	0	0
09/15/09	12	2	6	2.5	4	2	1.5	2	6.5	2.5	0	0	0	0			0		0	0	0
09/29/09	shut down for repair																				
09/30/09	system restarted																				
10/15/09	6	4	6	4	5	4	5.5	5	6	4	4.5	0.5	6	0.5			0		0	0	0
10/28/09	0	0	0	0	3	9	5	9	5	9	5	3	1	0			0		0	0	0
11/11/09	0	0	0	0	4	9	4	9	5	10	4.5	3	1	0			0		0	0	0
12/01/09	5	3.5	5	4	5	4	5	4.5	5	3.5	5	1	5	0.5			0		0	0	0
12/07/09	5	3	5	3.5	5.5	3.5	5	4.5	5	2	5	1	5.5	0.5			0		0	0	0
12/22/09	0	1	3	4.5	9	5	9	6	9	4.5	0	0	3	0			0		0	0	0
01/05/10	0	0	3	3.5	9	3.5	9	4.5	9	4	0	0	2	0			0		0	0	0
01/19/10	0	0	2	4	9	4.5	9	5	9	4.5	0	0	3	0			0		0	0	0
02/03/10	0	0	0	0	9	4.5	8.5	5	9	4.5	0	0	0	0			0		0	0	0
02/16/10	0	0	0	0	3	9	5	9	5	9	5	0	0	0			0		0	0	0
03/03/10	0	0	0	0	3	9	4	9	4.8	9	4	0	0	0			0		0	0	0
03/16/10	0	0	5	4.5	5	4.5	4.5	5	5	3	5	1	0	0			0		0	0	0
03/29/10	0	0	5	4	5	5	3	5	5	3	0	0	5	1			0		0	0	0
04/13/10	0	0	5	4	5	4.5	3	5	5	2.5	0	0	5	0.5			0		0	0	0
04/27/10	0	0	5	4	5	4	3	4.5	5	2	0	0	5	0.5			0		0	0	0
05/10/10	0		5		5		3		5		0		5								

Table 3
Air Sparging Injection Air Pressure and Flow Rates
Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin

Date	AS-1		AS-2		AS-3		AS-4		AS-5		AS-6		AS-7		AS-MW-7d		Sparge Blower #1		Sparge Blower #2		Comments
	Flow Rate (scfm)	Pressure (psi)	Flow Rate (scfm)	Pressure (psi)	Flow Rate (scfm)	Pressure (psi)	Flow Rate (scfm)	Pressure (psi)	Flow Rate (scfm)	Pressure (psi)	Flow Rate (scfm)	Pressure (psi)	Flow Rate (scfm)	Pressure (psi)	Flow Rate (scfm)	Pressure (psi)	Flow Rate (scfm)	Pressure (psi)	Flow Rate (scfm)	Pressure (psi)	
05/10/10	0		0		0		0		0		0		0								blower off
05/12/10	0		0		0		0		0		0		0								Sparge off at arrival
05/26/10	0		0		0		0		0		0		0								sparge blower still off
06/08/10	0		0		0		0		0		0		0								AS restarted 6/3/10
06/08/10	0	0	7	4	7	4.5	7	5	7	4.5	0	0	7.5	1							
06/24/10	0	0	7	4	7	4	7	4.5	7	4.5	0	0	7	2							
07/07/10	0	0	7	3	7	3	7	3	7	3	0	0	7	0							
07/20/10	0	0	7	4	7	3.5	7	4.5	7	4	0	0	7	0.5							
08/03/10	0	0	7	4	7	3.5	7	4	7	4	0	0	7	0							
08/12/10	0		7		7		7		7		0		7								
08/12/10	0		0		0		0		0		0		0								down 8/12 to 8/16
08/16/10	0		0		0		0		0		0		0								
08/16/10	0	0	7	5	7	5	7	6	7	5.5	0	0	7	2							AS Restarted
08/31/10	0	0	7	4	7	4	7	4.5	7	4	0	0	7	0							
09/14/10	0	0	6.5	5	6	5	6	5	6.5	5	0	0	6.5	1							
09/27/10	0	0	6	5	6	5	6	5	6	5	0	0	6	1							
10/12/10	5.5	4	5.5	4	5.5	4	5	4.5	5.5	4.5	0	0	0	0							
10/25/10	6	4.5	6	5	6	5	3	5.5	6	5	0	0	0	0							
11/09/10	6	4	6	5	6	5	4	6	6	5	0	0	0	0							
11/30/10	5	5	5	5	5	5.25	5	5.5	5	5	0	0	0	0							
12/16/10	5	5	5	5	5	5.28	5	6	5	5	0	0	0	0							
12/18/10	5		5		5		5		5		0		0								blower off
12/18/10	0		0		0		0		0		0		0								blower down for repair
12/28/10	0		0		0		0		0		0		0								blower repaired
01/12/11	0		0		0		0		0		0		0								AS Restarted
01/12/11	5.5	5	5.5	6	5.5	6	5.5	7	5.5	6	0	0	0	0							
01/25/11	7	4	7	4.5	7	4.5	6.5	5	7	5	0	0	0	0							
02/08/11	6.5	4.5	6	5	6	5.5	4.5	6	6	5.5	0	0	0	0							At arrival
02/08/11	0	0	0	0	6	4.5	6	5.5	6	5	6	2	6	2							Adjusted after restart
02/21/11	0	0	0	0	5.25	5	6.5	5.5	5	5	6	2	6	2							At arrival
02/21/11	0	0	0	0	6	5.5	6	6	6	5.5	6	2	6	2.5							Adjusted after restart
03/08/11	0	0	0	0	5.5	5	5.5	5	5.5	5	6	2	6	1							At arrival
03/08/11	0	0	0	0	6	5.5	6	6.5	6	5.25	6	2	6	2							adjusted upon departure
03/24/11	0	0	0	0	5.5	6	6.5	6.5	5	5.25	5	2.25	5	2.5							At arrival
03/24/11	0	0	0	0	5	6	5	7	5	6	5	8	5	3.5							adjusted upon departure
04/04/11	0	0	0	0	8	5	5	5.5	5	5	4	2	4.5	2							At arrival
04/04/11	0	0	0	0	5	6	5	7	5	6	5	2.5	5	3							adjusted upon departure
04/26/11	0	0	0	0	4	5	6	6	5	5.5	6	2	6	2							At arrival
04/26/11	0	0	0	0	5	6	5	6.5	5	6	5	2	5	2.5							adjusted upon departure
05/10/11	0	0	0	0	5.5	5	5.5	5.5	5	5	5	2	6	1.5							At arrival
05/10/11	0	0	0	0	5	5	5	6	5	5.25	5	2	5	2.5							adjusted upon departure
05/23/11	0	0	0	0	0	0	0	0	0	0	0	0	0	0							OFF at arrival
05/23/11	0	0	0	0	5	6	5	7	6.5	6	5	2	5	2.5							adjusted upon departure
06/07/11	0	0	0	0	6	4	5	4	5	5	4	1.5	5	0							At arrival
06/07/11	0	0	0	0	5	4.5	5	5.25	5	5	5	1.5	5	1							adjusted upon departure
06/23/11	0	0	0	0	4	6	3	6	5	6	5	2	5	2							At arrival
06/23/11	0	0	0	0	5	6	5	6.25	5	6	5	2	5	2							adjusted upon departure
07/07/11	0	0	0	0	5	5	4	5.25	5	5.25	5	1	5	1							At arrival
07/07/11	0	0	0	0	5	5	5	5.5	5	5.28	5	1.5	8	10							adjusted upon departure
07/28/11	0	0	0	0	5	4.5	5	5	5	5	5	1	5	0							At arrival
07/28/11	0	0	0	0	7	5	7	6	7	6	7	2	7	2							adjusted upon departure
08/15/11	0	0	0	0	6	4	5	5	5	5	7.5	2	8	1							At arrival
08/15/11	0	0	0	0	0	0	0	0	0	0	0	0	0	0							Shut down for TEST.
01/10/12	5	4	5	4	5	3	5	3	5	3	5	2.5	5	0.5							System restarted
01/10/12	5	4	5	4	5	4	5	4	5	4	5	4	5	4							adjusted upon departure
01/24/12	5	3	4	3	4	3	6	3	5	3	5	2	5	0							At arrival
01/24/12	5	3	5	4	5	3	5	3	5	3	5	2	5	0							adjusted upon departure
02/06/12	5	3.5	5	4	5	3	4	3	5	3	5	2	5	0							At arrival
02/06/12	5	4.5	4	5.0	5	4.0	5	4.0	5	4.0	5	2.0	5	1.0							adjusted upon departure
02/20/12	4	4	5	4	5	3.5	4	3.5	5	3	5	1.5	5	1							At arrival
02/20/12	5	5	4	5	5	5	4.5	5	5.5	4	5	1	5	1							adjusted upon departure
03/06/12	5	3	4.5	3.5	5.0	3.0	4.0	3.0	5.0	3.0	4.0	1.0	5.0	0.5							At arrival
03/06/12	5	5	5	5	5	4.75	4	4.5	5	4.0	5	1.0	5	1.0							adjusted upon departure
03/26/12	5.0	3	5.0	3.5	5.0	3.0	4.0	3.0	4.5	3.0	4.0	1.0	5.0	0.5							At arrival
03/26/12	5.0	4.5	5.0	4.75	5.0	4.5	4.0	4.0	5.0	4.0	5.0	2.0	5.0	2.0							adjusted upon departure
04/10/12	5	4	4	4	5.5	4	3	4	5	3	5	2	5.25	1							At arrival
04/10/12	5	5.0	5	5.5	5	5.0	4	5.0	5	4.0	5	2.0	5	3.0							adjusted upon departure
04/23/12	4	4	4	4	5	3	3.5	3	4.5	3	5	2	5	1.5							At arrival
04/23/12	5	5	5	5	4	5	5	5	5	4	5	2	5	3							adjusted upon departure
05/07/12	5.5	4	5	4	4	3	2	3.5	4.5	3	4.5	2	5	2							At arrival
05/07/12	4	4.5	4	5	4	4.5	3	4	4	4	5	2.5	5	3							adjusted upon departure
05/22/12	4	4	4	4	3	4	2	4	5	4.0	6	1.5	6	1.0							At arrival
05/22/12	0	0	0	0	5	4.5	5	5	5	5.0	5	2.0	5	2.0							adjusted upon departure

Table 3
Air Sparging Injection Air Pressure and Flow Rates
Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin

Date	AS-1		AS-2		AS-3		AS-4		AS-5		AS-6		AS-7		AS-MW-7d		Sparge Blower #1		Sparge Blower #2		Comments
	Flow Rate (scfm)	Pressure (psi)	Flow Rate (scfm)	Pressure (psi)	Flow Rate (scfm)	Pressure (psi)	Flow Rate (scfm)	Pressure (psi)	Flow Rate (scfm)	Pressure (psi)	Flow Rate (scfm)	Pressure (psi)	Flow Rate (scfm)	Pressure (psi)	Flow Rate (scfm)	Pressure (psi)	Flow Rate (scfm)	Pressure (psi)	Flow Rate (scfm)	Pressure (psi)	
06/05/12	0	0	0	0	8.5	6	12	6	2	0.0	2	0	2	1.0							At arrival
06/05/12	5	5	5	5	4	5	4	4	0	0.0	5	2.0	0	0							adjusted upon departure
06/19/12	6	4	4	4.5	4	3	3	3	5	4.5	0	0	6	2							At arrival
06/19/12	5	4	5	4.5	5	3	5	3	5	4.5	0	0	5	2							adjusted upon departure
07/03/12	5	5	5	4	4	4	5	4	4	6	0	0	6	0							At arrival
07/03/12	5	4	5	4	5	3	3	4	3	5	0	0	5	0							adjusted upon departure
07/12/12	system was off based on hour meter reading																				
07/18/12	AS down at arrival																				
07/30/12	repaired and restarted.																				
07/30/12	6	5	6	5	6	5	6	5	6	5	0	0	6	2							At arrival
07/30/12	6	5	6	5	6	5	6	5	6	5	0	0	6	2							adjusted upon departure
08/12/12	10	4	0	4	13	3	0	0	0	0	7	1	0	0							At arrival
08/12/12	5	5	5	5	5	4	5	5	0	0	5	5	0	0							adjusted upon departure
08/29/12	6	4	6	4	5	2	5	3	0	0	6	1	0	0							At arrival
08/29/12	6	4	6	4	5	2	5	3	0	0	6	1	0	0							adjusted upon departure
09/12/12	6.5	4	6.5	4	5.5	3	5.0	4	0	0	5.5	5	0	0							At arrival
09/12/12	6.5	4	6.5	4	5.5	3	5.0	4	0	0	5.5	5	0	0							adjusted upon departure
09/25/12	6	4	6	4	5	3.5	5	4	0	0	5.5	5.5	0	0							At arrival
09/25/12	6	4	6	4	5	3.5	5	4	0	0	5.5	5.5	0	0							adjusted upon departure
10/16/12	6	4.5	6	4.5	6	4.0	6	5.0	0	0	6	0.5	0	0							At arrival
10/16/12	5	5.0	5	5.0	5	5.0	5	5.25	0	0	6	1.0	0	0							adjusted upon departure
10/30/12	5	5	5	4	6	4	6	5	0	0	6	0	0	0							At arrival
10/30/12	5	5	5	4	6	4	6	5	0	0	6	0	0	0							adjusted upon departure
11/12/12	5	5	5	4.5	5.5	4	6	5	0	0	6	1	0	0							At arrival
11/12/12	5	5	5	4.5	5.5	4	6	5	0	0	6	1	0	0							adjusted upon departure
12/04/12	5.5	6	5.0	6	5.5	6	6.0	7	0	0.5	6.0	0	0	1.5							At arrival
12/04/12	5.5	6	5.0	6	5.5	6	6.0	7	0	0	6.0	0	0	1.0							adjusted upon departure
12/17/12	0	0	6	6	0	0	7	6	7	5	0	0	7	2							At arrival
12/17/12	5.0	6	5.5	6	6	5.5	6	5.5	5	5.0	0	0	5	2							adjusted upon departure
01/02/13	5	5	4	5	6	4	4	5	4.5	4	0	0	5	1							At arrival
01/02/13	6	5	6	5	6	4	6	5.25	6	4.5	0	0	6	1							adjusted upon departure
01/15/13	7	5	6	4	5	4	6	5.5	0	0	5	0	0	0.5							At arrival
01/15/13	5	5	5	4.5	5	4.0	5	5.5	0	0	5	0	0	0.5							adjusted upon departure
01/29/13	5.5	4	5.5	4	5.0	3	5.0	5	0	0	5.0	0	0	0							At arrival
01/29/13	5.5	4	5.5	4	5.0	3	5.0	5	0	0	5.0	0	0	0							adjusted upon departure
02/12/13	5.5	5	5.5	5	5.5	4	5	5	0	0	5	0	0	0							At arrival
02/12/13	5.5	5	5.5	5	5.5	4	5	5	0	0	5	0	0	0							adjusted upon departure
02/25/13	7	5	7	5.5	7	4.75	7	6	0	1	7	5	0	1							At arrival
02/25/13	7	5	7	5	7	4	7	6	0	0	7	0	0	1							adjusted upon departure
03/12/13	6	4.5	5	4.5	5	4	6	5.5	5.5	4.5	0	0	7	1							At arrival
03/12/13	6	5	6	5.5	6	5.5	6	5	6	5	0	0	6	1							adjusted upon departure
03/25/13	6	4	7	4	8	3	3	5	4.5	4	0	0	6	0							At arrival
03/25/13	6	5	6	5	6	4	6	6	6	5	0	0	6	0							adjusted upon departure
04/09/13	5	4	5	4	5	3	6	5	5	4.5	0	0	5	2							At arrival
04/09/13	5	5	5	5	5	4	5	6	5	5	0	1	5	2.5							adjusted upon departure
04/22/13	5	5	5	5	6	3.5	5	5	0	2	10	3	0	2							At arrival
04/22/13	6	5	6	5	6	3.5	6	5	0	2	6	3	0	2							adjusted upon departure
05/09/13	7	5	6	5	6	4	6	5	0	2	6	2	0	2							At arrival
05/09/13	0	0	0	0	0	0	0	0	0	0	0	0	0	0							System Turned Off
02/26/14	0	0	0	0	0	0	0	0	0	0	0	0	0	0							System restarted
02/26/14	5	4	5	5	5	4	5	3	5	3	5	0	5	1							adjusted upon departure
03/25/14	5	3.5	5	4	4	3	5	2	5	2.5	4	0	5	0							At arrival
03/25/14	5	3.5	5	4.5	5	3.5	5	2.5	5	2.5	5	0	5	0							adjusted upon departure
04/16/14	5	4	5	4.5	4	3	5	3	5	3	4	1	5	1							At arrival
04/16/14	5	4.5	5	4.5	5	3.5	5	3	5	3	5	1	5	1							adjusted upon departure
05/15/14	5	4	4	4.5	4	3	4	3	5	3	4	2	5	2							At arrival
05/15/14	5	4	4.5	4.5	5	3	5	3	5	3	5	2	5	2							adjusted upon departure
06/09/14	5	4	4	4	4	3	4	4	2	4	5	1	1	1							At arrival
06/09/14	5	4	5	4	5	3	4	4	3	4	5	1	5	1							adjusted upon departure
6/11/14 12:00 PM															20	1					At arrival
6/11/14 12:45 PM															20	1					
6/11/14 1:45 PM															20	1					
6/11/14 1:45 PM															20	1					adjusted upon departure
07/17/14															20	0.5					At arrival
08/19/14															22	0.5					At arrival
08/19/14															22	0.5					adjusted upon departure
09/16/14															20	0.5					At arrival
09/16/14															20	0.5					adjusted upon departure
10/14/14															18	0					At arrival
10/14/14															17	0					adjusted upon departure
11/13/14															18	0					At arrival
11/13/14															20	0					adjusted upon departure
12/11/14															20	23					Repair and restart
12/11/14															20	20					adjusted upon departure
01/13/15															20	18					At arrival
01/13/15															20	15					adjusted upon departure
02/24/15															14	12					At arrival
02/24/15															15	11					adjusted upon departure

Table 3
Air Sparging Injection Air Pressure and Flow Rates
Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin

Date	AS-1		AS-2		AS-3		AS-4		AS-5		AS-6		AS-7		AS-MW-7d		Sparge Blower #1		Sparge Blower #2		Comments
	Flow Rate (scfm)	Pressure (psi)	Flow Rate (scfm)	Pressure (psi)	Flow Rate (scfm)	Pressure (psi)	Flow Rate (scfm)	Pressure (psi)	Flow Rate (scfm)	Pressure (psi)	Flow Rate (scfm)	Pressure (psi)	Flow Rate (scfm)	Pressure (psi)	Flow Rate (scfm)	Pressure (psi)	Flow Rate (scfm)	Pressure (psi)	Flow Rate (scfm)	Pressure (psi)	
06/10/15									8	5					20	20					At arrival
06/10/15									7	5					18	18					adjusted upon departure
07/13/15																					At arrival
07/13/15					5	10	5	2	5	8					20	12					adjusted upon departure
07/30/15					5	10	5	2	4	8					20	12					At arrival
07/30/15					5	10	5	2					5	5	20	12					adjusted upon departure
08/20/15	0	0	0	0					0	0											At arrival
08/20/15	0	0	0	0	5	10	5	1	0	0			5	5	20	4					adjusted upon departure
09/23/15	0	0	0	0	4	10	5	1	0	0			5	5	20	4					At arrival
09/23/15	0	0	0	0	5	9	5	1	0	0			5	5	20	4					adjusted upon departure
10/22/15	0	0	0	0	5	7	5	0	0	0			5	3	20	10					At arrival
10/22/15	0	0	0	0	5	7	5	0	0	0			5	3	20	10					adjusted upon departure
11/12/15	0	0	0	0	5	9	5	2	0	0			5	6	20	10					At arrival
11/12/15	0	0	0	0	5	9	5	2	0	0			5	6	20	10					adjusted upon departure
12/07/15	0	0	0	0	5	7	4	1	0	0			5	4	20	7					At arrival
12/07/15	0	0	0	0	5	7	4	1	0	0			5	4	20	7					adjusted upon departure
01/14/16	0	0	0	0	5	4	0	0	0	0			5	3	18	.1					At arrival
01/14/16	0	0	0	0	5	4.9	0	0	0	0			5	3	20	.1					adjusted upon departure
02/03/16	0	0	0	0	5	3	0	0	0	0			5	3	20	5					At arrival
02/03/16	0	0	0	0	5	3	0	0	0	0			5	3	20	5					adjusted upon departure
03/15/16	0	0	0	0	3	0.5	0	0	0	0			5	0	20	4					At arrival
03/15/16	0	0	0	0	0	0	0	0	0	0			1	1	20	4					adjusted upon departure
04/11/16	0	0	0	0	0	0	0	0	0	0			5	0	20	4					At arrival
04/11/16	0	0	0	0	5	7	0	0	0	0			5	3.5	20	9					adjusted upon departure
05/05/16	0	0	0	0	5	5	0	0	0	0			4.5	2	19	6					At arrival
05/05/16	0	0	0	0	5	5	0	0	0	0			4.5	2	19	6					adjusted upon departure
06/08/16	0	0	0	0	5	5	0	0	0	0			5	4	20	6					At arrival
06/08/16	0	0	0	0	5	5	0	0	0	0			5	4	20	5					adjusted upon departure
07/13/16	0	0	0	0	5	3	0	0	0	0			5	1	20	1					At arrival
07/13/16	0	0	0	0	0	0	0	0	0	0			5	1	20	1					adjusted upon departure
08/11/16	0	0	0	0	5	2	0	0	0	0			4	0.5	19	3.5					At arrival
08/11/16	0	0	0	0	5	2	0	0	0	0			4	0.5	19	3.5					adjusted upon departure
09/21/16	0	0	0	0	0	0	0	0	0	0			3	0	18	1.5					At arrival
09/21/16	0	0	0	0	0	0	0	0	0	0			0	0	19	1.5					adjusted upon departure
10/24/16	0	0	0	0	0	0	0	0	0	0			0	0	0	0					At arrival
10/24/16	0	0	0	0	5	4	0	0	0	0			5	4	20	6					adjusted upon departure
12/06/16	0	0	0	0	0	6	0	0	0	0			0	2.5	0	0					At arrival
12/06/16	0	0	0	0	10	6	0	0	0	0			5	5	19	6					adjusted upon departure
12/20/16	0	0	0	0	8	3.5	0	0	0	0			5	1	20	7					At arrival
12/20/16	0	0	0	0	0	0	0	0	0	0			7	1	20	7					adjusted upon departure

Notes:
Air sparge points AS-1 to AS-7 are part of the source area AS/SVE system.
Air Sparge Blowers #1 and #2 service the supplemental air sparge lines 1, 2 and 3.
Pressure and flow rates denoted as "-" indicates no data recorded.
Pressure and flow rates denoted as "0" indicate the sparge well is off-line
NR Not readable/No reading.

Table 4
SVE Point Field Data
Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin

Sample Location	Date	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	PID (ppm)	Methane (%)	Vacuum (inches of water)	FID	Comment
	2/6/2008	100	0	14	150				
	3/12/2008	38	16.6	3.7	274		11	1.276	
	3/19/2008	3	19.6	2	22		10	356	
	4/21/2008	0	20.1	0.5	67.1			197	
	5/6/2008	0	20.2	0.6	42.5		0	212	
	5/22/2008	0	19.6	0.8	76		27	310	
	6/27/2008	0	14.8	0.7	43.1			88	
	7/23/2008	0	18.8	1.1	70.4		26	NM	
	7/23/2008						26		
	7/30/2008	0	18	2	14.3		26	45	
	8/5/2008	0	17.9	2.2	17.5		28	95	
	8/12/2008	0	18.2	2.3	29		28	126	
	8/19/2008	0	18.2	2.3	25		28	170	
	8/27/2008	0	18.1	2.4	12		28	58	
	9/6/2008	0	18.1	2	1			26.5	
	9/16/2008	0	18.2	2	143			9.5	
	9/24/2008	0	19.2	0	14			10	
	9/30/2008	0	19.3	0	181			10	
	10/6/2008	0	19.8	1.16	52			15	
	10/14/2008	0	18.9	2.05	57.8			10	
	10/21/2008	0	18.6	2.2	193			10	
	11/4/2008	0	18.8	1.76	105			13	
	11/11/2008	0	18.5	2.2	13			12.5	
	11/19/2008	0	18.7	1.9	0			13	
	12/4/2008	0	17.4	2.3	10			12	
	12/10/2008	0	17.1	2.3	0			10	
	1/2/2009	0.07	13.8	4.6	5			23	
	1/20/2009							24	
	1/27/2009	0	18.5	2	0			26	
	2/4/2009								CLOSED
	2/17/2009								CLOSED
	2/27/2009								CLOSED
	3/4/2009								CLOSED
	3/11/2009								CLOSED
	3/17/2009								CLOSED
	3/24/2009								CLOSED
	3/31/2009	0	19.9	0.9	1		15		
	4/8/2009								CLOSED
	4/13/2009								CLOSED
	4/29/2009								CLOSED
	4/29/2009								CLOSED
	5/12/2009	0	19.6	0.95	0		15		
	5/18/2009	0	19.4	1.22	0.7			14	
	6/2/2009	0	18.6	2.25	16.7			13	
	6/10/2009	0	18.6	1.7	11			13	
	6/16/2009	0	18.3	20.5	22			12	
	6/24/2009	0	18.1	2.25	15			13	
	6/30/2009	0	18.2	2.2	7			8	
	7/8/2009	0	17.5	2.65	27			8	
	7/20/2009	0	17.9	2.7	23			8	
	8/4/2009	0	18.4	2.65	26			8	
	8/18/2009	0	18	2.8	46			7	
	9/1/2009	0	17	3.25	84			10	
	9/15/2009	0	17.7	3.05	80			9	
	9/29/2009	0	18.1	2.85	17			10	
	10/15/2009	0	18.5	2.5	11			11	
	10/28/2009	0	18	2.4	9.9			12	
	11/11/2009	0	18.4	2.2	3.6			12	
	12/1/2009	0	18	1.81	270			9	
	12/7/2009	0	19.2	1.54	4			17	
	12/22/2009	0	18.3	2.35	8			18	
	1/5/2010	0	18.2	2.25	8			22	
	1/19/2010	0	18.3	2.2	6			22	
	2/5/2010	0	18.1	2.3	6			23	
	2/16/2010	0	18.3	2.2	16			20	
	3/3/2010	0	18.1	2.28	10			23	
	3/16/2010	0	19.1	1.26	5			23	
	3/28/2010	0	19	1.26	1.6			20	
	4/13/2010	0	19	1.24	3.9			18	
	4/27/2010	0	18.9	1.24	2			0	closed
	5/12/2010	0	20	0.64	0		0-12		Opened for readings only
	5/26/2010	0	19.5	1.12	21		0-13		Opened for readings only
	6/8/2010	0	19.5	1.1	31		0-13		Opened for readings only
	6/24/2010	0	19.2	1.28	18		0-15		Opened for readings only
	7/7/2010	0	19.2	1.32	21		14-0		Opened for readings only
	7/20/2010	0	19.2	1.26	13		13-0		Opened for readings only
	8/9/2010	0	19.1	1.36	24		0-12-17		Opened for readings only
	8/16/2010	0	18.8	1.92	10			15	
	8/31/2010	0	18.9	1.46	0			16	
	9/14/2010	0	19	1.48	0			17	
	9/27/2010	0	18.5	1.14	0			17	
	10/12/2010	0	18.6	1.48	0			18	
	10/25/2010	0	18.8	1.48	0			19	
	11/9/2010	0	19	1.32	0			20	
	11/30/2010	0	19	1.22	0			24	
	12/16/2010	0	18.9	1.18	0			26	
	12/28/2010	0	19.2	1.14	0			25	
	1/12/2011	0	17.3	1.4	0			21	
	1/25/2011	0	19.1	1.16	0			23	
	2/8/2011	0	17.8	1.22	0			23	
	2/21/2011	0	19.1	1.3	0			22	
	3/8/2011	0	19.4	1.22	0			22	
	3/24/2011	0	19.5	1.18	0			23	
	4/4/2011	0	19.1	1.18	0			22	
	4/25/2011	0	19.7	0.79	0			15	
	5/10/2011	0	19.1	1.12	0			20	
	5/23/2011	0	19.5	1.04	0			16	
	6/7/2011	0	19.3	1.16	0			15	
	6/23/2011	0	18.9	1.34	0			15	
	7/7/2011	0	18.9	1.44	0			13	
	7/28/2011	0	18.4	2.05	0			14	
	8/15/2011	0	18.7	1.98	0			0	
	1/10/2012	0	8.4	6.20	1.6		6.5		Approximately 50% dilution. Restarted system at 11:30. Collected readings after 30 min of start up.
	1/10/2012	0	7.8	6.80	3.8		7		Collected 2 hrs after system start up
	1/10/2012	0	8.4	6.20	6.1		10		Collected after 1 hr of full operation
	1/24/2012	0	18.3	2.45	4.9		25		
	2/6/2012	0	18.7	2.15	0		25		
	2/20/2012	0	19.2	1.66	0		25		
	3/6/2012	0	1.91	1.36	0		23		
	3/26/2012	0	19.3	1.24	0		18		

SVE #1

Table 4
SVE Point Field Data
Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin

Sample Location	Date	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	PID (ppm)	Methane (%)	Vacuum (inches of water)	FID	Comment
	4/10/2012	0	19.2	1.16	0		18		
	4/23/2012	0	19.4	1.06	0		17		
	5/7/2012	0	19.2	1.10	0.3		15		
	5/22/2012	0	19.3	1.06	0		14		
	6/5/2012	0	19	1.06	0		12.5		
	6/19/2012	0	18.9	1.32	0		13		
	7/5/2012	0	18.9	1.38	0		10		
	7/18/2012	0	18.9	1.46	0		13		
	7/30/2012	0	18.7	1.62	0		13		
	8/12/2012	0	18.6	1.68	0		13		
	8/29/2012	0	18.6	1.82	0		12		
	9/11/2012	0	18.8	1.78	0		12		
	9/25/2012	0	19.0	1.50	0.4		13		
	10/16/2012	0	19.0	1.48	0.1		12		
	10/30/2012	0	19.2	1.38	0		12		
	11/12/2012	0	19.2	1.34	0		12.5		System shutdown upon departure.
	12/4/2012	0	19.6	0.93	0		12		
	12/17/2012	0	19.4	1.24	0		18		
	1/2/2013	0	19.6	1.12	0		26		
	1/15/2013	0	19.6	1.10	0		24		
	1/28/2013	0	19.2	1.02	0		22		
	2/12/2013	0	19.6	1.06	0.2		22		
	2/25/2013	0	19.8	0.96	0		22		
	3/12/2013	0.0	19.7	1.10	0.0		25		
	3/25/2013	0	19.7	1.18	0		25 (upon arrival)/26 (after adjustments)		
	4/9/2013	0	19.8	1.06	0		26		
	4/22/2013	0	19.9	1.08	0		22 (upon arrival) / 21 (after adjustments)		
	5/9/2013	0	19.5	1.06	0		22		
	2/26/14 12:00 PM	--	--	--	--	--	--		Frozen Line
	2/26/14 2:00 PM	--	--	--	--	--	--		Frozen Line
	2/26/14 3:30 PM	--	--	--	--	--	--		Frozen SVE Line
	3/25/2014	0.69	20.8	0.07	5.0		-5		
	4/16/2014	0	20.8	0.00	0		5		
	5/15/2014	0	20.8	0.00	0		8		Sticky gauge
	6/9/2014	0	20.9	0	0		8		
	7/1/2014								OFF
	8/19/2014								OFF
	9/16/2014								OFF
	10/14/2014								OFF
	11/13/2014								OFF
	12/11/2014								Closed
	1/13/2015								Closed
	2/24/2015								Closed
	6/10/2015								System is off
	7/13/2015								System is off
	7/30/2015								System is off
	8/20/2015								System is off
	9/23/2015								System is off
	10/22/2015								System is off
	11/12/2015								System is off
	12/7/2015								System is off
	1/14/2016								System is off
	2/6/2008	100	5.1	12.1	128.6				
	3/12/2008	80	14.9	4.6	168		12	4.50%	
	3/19/2008	64	19	1.9	247		11	17900	
	4/21/2008	0	18.8	1.2	61.2			188	
	5/6/2008	0	18.7	1.6	83.7		0	431	
	5/22/2008	0	18.9	1.7	70		27	310	
	6/27/2008	0	17.2	1.1	53.9			119	
	7/22/2008	0	19.3	1.3	56		10	NM	
	7/23/2008						10		
	7/30/2008	0	18.6	1.2	160		9	445	
	8/5/2008	0	18.5	2	174		10	614	
	8/12/2008	0	18.5	2	118		10	552	
	8/19/2008	0	18.4	2	165		10	516	
	8/27/2008	0	18.5	1.9	102		10	440	
	9/9/2008	0	20.2	1	2		10		
	9/16/2008	0	18.1	2	120		9.5		
	9/24/2008	0	19.2	0	13.5		10		
	9/30/2008	0	19.1	0	131		10		
	10/6/2008	0	19.2	1.68	43.6		15		
	10/14/2008	0	19	1.88	44		10		
	10/21/2008	0	18.9	1.9	77		10		
	11/4/2008	0	18.3	2.1	166		11		
	11/11/2008	0	18.3	2.35	14		11.5		
	11/19/2008	0	18.2	2.2	0.9		11		
	12/4/2008	0	17.4	2.2	0		11		
	12/10/2008	0	17.8	1.82	0		10		
	1/2/2009	0	14.8	4	14		20		
	1/20/2009						24		
	1/27/2009	0	17.5	2.6	1		25		
	2/4/2009								CLOSED
	2/17/2009								CLOSED
	2/27/2009								CLOSED
	3/4/2009								CLOSED
	3/11/2009								CLOSED
	3/17/2009								CLOSED
	3/24/2009								CLOSED
	3/31/2009	0	20	1.04	1.9		11		
	4/8/2009								CLOSED
	4/13/2009								CLOSED
	4/22/2009								CLOSED
	4/29/2009								CLOSED
	5/12/2009	0	19.8	1	8.3		10.5		
	5/19/2009	0	18	1.88	1.7		12		
	6/3/2009	0	16.2	2.25	27.7		10		
	6/10/2009	0	17.2	2.55	21		10		
	6/18/2009	0	17.2	2.5	33		10		
	6/24/2009	0	16.9	2.9	32		10		
	6/30/2009	0	17.5	2.65	23		7.5		
	7/8/2009	0.06	17.8	2.32	41		7		
	7/29/2009	0.06	16.8	3.15	57		7.5		
	8/4/2009	0.07	15.8	3.75	63		8		
	8/18/2009	0.07	16.5	3.45	82		8		
	9/11/2009	0	16.7	3.05	84		10		
	9/15/2009	0.07	16.8	3.4	120		10		
	9/29/2009	0	17.6	2.7	58		10		
	10/15/2009	0	17.4	2.8	30		10		
	10/28/2009	0.06	17.4	2.75	23.1		11		
	11/11/2009	0	17.6	2.5	23.9		11		
	12/1/2009	0	17.9	2.15	24		9		
	12/7/2009	0	18	2.5	29		16		

Table 4
SVE Point Field Data
Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin

Sample Location	Date	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	PID (ppm)	Methane (%)	Vacuum (inches of water)	FID	Comment
SVE #2	1/22/2009	0	18.6	1.96	18		19		
	1/5/2010	0	18.9	1.68	18		23		
	1/19/2010	0	18.9	1.7	10		23		
	2/3/2010	0	18.5	1.88	15		23		
	2/16/2010	0	18.6	1.81	25		20		
	3/3/2010	0	18.4	1.84	19		22		
	3/16/2010	0	19.4	1.04	9.9		23		
	3/29/2010	0	19.4	1.04	7.2		19		
	4/13/2010	0	19.4	1.04	8.6		18		
	4/27/2010	0	18.8	1.34	3		0		closed
	5/12/2010	0	19.9	0.55	0		0-11		Opened for readings only
	5/26/2010	0	19	1.26	16		0-11		Opened for readings only
	6/8/2010	0	18.8	1.28	20		0-11		Opened for readings only
	6/24/2010	0	19	1.28	15		0-12		Opened for readings only
	7/7/2010	0	19	1.3	18		10-0		Opened for readings only
	7/20/2010	0	19.3	1.14	11		11-0		Opened for readings only
	8/5/2010	0	19.1	1.2	17		0-12		Opened for readings only
	8/16/2010	0	19.2	1.08	24		10-0		Opened for readings only
	8/31/2010	0	19.6	0.93	23		10-0		Opened for readings only
	9/14/2010	0	19.6	0.89	20		10-0		Opened for readings only
	9/27/2010	0	19.3	0.87	13		10-0		Opened for readings only
	10/12/2010	0	19.7	0.8	9		0-10-0		Opened for measurement
	10/25/2010	0	19.6	0.85	6		0-10-0		Opened for measurement
	11/9/2010	0	19.9	0.81	6		11-0		Opened for measurement
	11/30/2010	0	19.6	0.76	3.9		14-0		Opened for measurement
	12/16/2010	0	19.8	0.66	4		14-0		Opened for measurement
	12/28/2010	0	19.9	0.6	2.3		15-0		
	1/12/2011	0	19.1	0.55	0		22		Open upon arrival
	1/25/2011	0	19.6	0.91	1.5		20		
	2/8/2011	0	18.3	0.87	0.7		18		
	2/21/2011	0	19.7	0.96	0		19		
	3/8/2011	0	19.8	0.87	0		19		
	3/24/2011	0	20.2	0.72	0		20		
	4/6/2011	0	20	0.71	0		20		
	4/26/2011	0	20	0.7	0		15		
	5/10/2011	0	20	0.65	0		18		
	5/23/2011	0	19.8	0.84	0		13		
	6/7/2011	0	19.7	0.86	0		12		
	6/23/2011	0	19.6	0.87	0.1		13		
	7/7/2011	0	19.5	0.99	0		11		
	7/28/2011	0	19.5	1.04	0		11		
	8/15/2011	0	19.4	1.2	0		0		
	1/10/2012	0	11.9	4.00	1.8		7		Approximately 50% dilution. Restarted system at 11:30. Collected readings after 30 min of start up.
	1/10/2012	0	12.4	4.30	3.6		7		Collected 2 hrs after system start up
	1/10/2012	0	12.6	3.55	5.0		9		Collected after 1 hr of full operation
	1/24/2012	0	19.0	1.44	4.6		22		
	2/6/2012	0	19.1	1.30	0		23		
	2/20/2012	0	19.4	1.18	0		22		
	3/6/2012	0	19.3	1.10	0.1		20		
	3/26/2012	0	20.0	0.78	0		16		
	4/10/2012	0	20.0	0.78	0		16		
	4/23/2012	0	20	0.78	0		15		
	5/7/2012	0	19.8	0.88	0.3		12		
	5/23/2012	0	19.7	0.86	0		11		
	6/5/2012	0	19.7	0.83	0		10		
	6/19/2012	0	20.0	0.90	0		11		
	7/3/2012	0	19.6	1.08	0		11		
	7/18/2012	0	19.7	1.02	0		11		
	7/30/2012	0	19.5	1.12	0		10		
	8/12/2012	0	19.5	1.10	0		10		
	8/29/2012	0	19.4	1.22	0		10		
	9/11/2012	0	19.5	1.26	0		10		
	9/25/2012	0	19.5	1.18	0.6		10		
	10/16/2012	0	19.6	1.12	0		10		
	10/30/2012	0	19.9	1.14	0		10		
	11/13/2012	0	20.0	1.06	0		10		
	12/4/2012	0	20.1	0.74	0		10		System shutdown upon departure.
	12/17/2012	0	20.1	0.99	0		19		
	1/2/2013	0	20.3	0.76	0		25		
	1/15/2013	0	20.3	0.68	0		25		
	1/29/2013	0	19.8	0.64	0		20		
	2/12/2013	0	20.2	0.63	0.2		18		
	2/25/2013	0	20.2	0.61	0		19		
	3/12/2013	0.0	20.2	0.61	0.0		20 (upon arrival/21 after adjustments)		
	3/25/2013	0	20.3	0.58	0		20		
4/9/2013	0	20.4	0.51	0.3		21			
4/22/2013	0	20.5	0.41	0		20			
5/9/2013	0	20.2	0.47	0		19			
2/26/14 12:00 PM	0	14.2	3.15	0		11			
2/26/14 2:00 PM	0	12.7	3.70	0.6		12			
2/26/14 3:30 PM	0	12.1	4.05	1.0		12			
3/23/2014	1.35	19.7	0.97	5.8		-22			
4/16/2014	0	20.0	0.80	0		24			
5/15/2014	0	19.9	0.84	0		19			
6/9/2014	0	20.0	0.86	0		14			
7/17/2014								OFF	
8/19/2014								OFF	
9/16/2014								OFF	
10/14/2014								OFF	
1/13/2014								OFF	
12/1/14 8:00 AM								Closed	
1/13/15 11:30 AM								Closed	
2/24/15 11:30 AM								Closed	
6/10/15 10:00 AM								System is off	
7/13/15 2:30 PM								System is off	
7/30/15 8:30 AM								System is off	
8/20/15 11:15 AM								System is off	
9/23/15 12:00 PM								System is off	
10/23/15 12:00 PM								System is off	
11/12/15 12:00 PM								System is off	
12/7/2015								System is off	
1/14/2016								System is off	
2/6/2008		100	2.4	11.9	133				
3/12/2008		100	13.6	5.9	67		11	6%	
3/19/2008		100	19	1.8	134		11	3000	
3/26/2008		33	19	1.7	160		27	12600	
4/1/2008		23	19	1.4			29	9050	
4/8/2008		21	19.6	1.2	642		30	11300	
4/21/2008		9	19.5	1.1	546			5789	
5/6/2008		0	19.5	1.2	137		0	1101	
5/22/2008		0	19.6	1.4	64		10	197	
6/27/2008		0	17.6	0.9	87.7			300	
7/22/2008		0	20.2	1	43		10	NM	
7/23/2008							10		
7/30/2008		2	19.8	1.1	210		9	1038	
8/5/2008		5	19.7	1.4	230		10	1392	
8/12/2008		2	19.8	1.4	124		10	907	
8/19/2008		0	19.8	1.2	170		10	880	
8/27/2008		0	19.7	1.3	224		10	1472	
9/9/2008		0	20.2	1	2		10		
9/16/2008		0	18.3	1	109		10		
9/24/2008		0	18.9	1	43		10		
9/30/2008		0	20.1	0	138		10		

Table 4
SVE Point Field Data
Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin

Sample Location	Date	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	PID (ppm)	Methane (%)	Vacuum (inches of water)	FID	Comment
SVE #3	10/6/2008	0	20	1.1	43.6		15		
	10/14/2008	0	20.2	0.94	47		10		
	10/21/2008	0	20.1	0.93	79		10		
	11/4/2008	0	19.8	0.98	118		11		
	11/11/2008	0	19.9	1.2	18		12		
	11/19/2008	0	19.9	1.12	3.2		11		
	12/4/2008	0	19.5	1.02	6		10		
	12/10/2008	0	19.1	0.91	0		10		
	12/20/2009	0.14	18.7	1.42	50		20		
	12/29/2009						24		
	1/27/2009	0	20.2	0.84	7		25		
	2/4/2009								CLOSED
	2/17/2009								CLOSED
	2/27/2009								CLOSED
	3/4/2009								CLOSED
	3/11/2009								CLOSED
	3/17/2009								CLOSED
	3/24/2009								CLOSED
	3/31/2009	0	20.5	0.38	10		11		
	4/8/2009								CLOSED
	4/13/2009								CLOSED
	4/22/2009								CLOSED
	4/29/2009								CLOSED
	5/12/2009	0	20.4	0.42	8.3		12		
	5/19/2009	0	20.2	0.66	4.4		13		
	6/2/2009	0.05	19.6	0.65	68.3		11		
	6/10/2009	0	19.3	1.38	55		11		
	6/16/2009	0	19.2	1.42	78		11		
	6/24/2009	0	18.4	2.19	9		10		
	6/30/2009	0	19	1.54	58		8		
	7/8/2009	0.19	18.3	1.72	61		8		
	7/20/2009	0.12	18.7	1.82	122		8		
	8/4/2009	0.12	18.4	1.92	121		7.5		
	8/16/2009	0.17	18.4	2.5	180		8		
	8/11/2009	0.2	17.6	2.45	283		10		
	8/15/2009	0.15	19.1	1.92	282		10		
	9/29/2009	0.08	18.9	1.72	118		10		
	10/15/2009	0.06	19.5	1.38	64		10		
	10/28/2009	0.06	19.1	1.34	53.7		11		
	11/11/2009	0.06	19.4	1.14	59.1		12		
	12/1/2009	0.07	18.2	1.68	94		10		
	12/7/2009	0	19.2	1.68	72		16		
	12/23/2009	0	19.8	0.94	47		20		
	1/5/2010	0	20.2	0.5	41		22		
	1/19/2010	0	20.3	0.55	26		20		
	2/5/2010	0	20.1	0.57	34		23		
	2/16/2010	0	20.3	0.62	70		21		
	3/2/2010	0	20.1	0.6	59		23		
	3/16/2010	0	20.4	0.5	37		23		
	3/29/2010	0	20.5	0.43	24.6		20		
	4/13/2010	0	20.1	0.6	9.3		17		
	4/27/2010	0	20.4	0.65	33		0		closed
	5/12/2010	0	20.5	0.19	1		0-12		Opened for readings only
	5/26/2010	0	19.9	0.68	24		0-11		Opened for readings only
	6/8/2010	0	19.8	0.64	21		0-13		Opened for readings only
	6/24/2010	0	19.9	0.68	16		0-12		Opened for readings only
	7/7/2010	0	19.8	0.75	14		12-0		Opened for readings only
	7/20/2010	0	20.1	0.58	11		12-0		Opened for readings only
	8/3/2010	0	20	0.62	16		0-12		Opened for readings only
	8/16/2010	0	19.8	0.71	21		10-0		Opened for readings only
	8/31/2010	0	20.3	0.4	14		12-0		Opened for readings only
	9/14/2010	0	20.4	0.22	15		12-0		Opened for readings only
	9/27/2010	0	19.9	0.39	9		12-0		Opened for readings only
	10/12/2010	0	20.6	0.14	7		0-12-0		Opened for measurement
	10/25/2010	0	20.2	0.44	5		0-12-0		opened for measurement
	11/9/2010	0	20.5	0.19	8		12-0		opened for measurement
	11/30/2010	0	20.2	0.26	5.5		15-0		opened for measurement
	12/16/2010	0	20.1	0.29	3.9		15-0		Opened for measurement
	12/28/2010	0	20.4	0.09	24		16-0		
	1/12/2011	0	19.9	0.4	1.5		20		Open upon arrival
	1/25/2011	0	20.4	0.22	5.7		22		
	2/8/2011	0	19.1	0.19	3.4		21		Before system changes
	2/8/2011	0	19.1	0.18	6.4				After system changes
	2/21/2011	0	20.4	0.2	2.1		24		
	3/8/2011	0	20.5	0.2	5.3		22		
	3/24/2011	0	20.6	0.24	1.8		22		
	4/4/2011	0	20.6	0.2	0.8		21		
	4/26/2011	0	20.6	0.26	0		15		
	5/10/2011	0	20.5	0.21	0		18		
	5/23/2011	0	20.5	0.28	0		13		
	6/7/2011	0	20.4	0.41	0		12		
	6/23/2011	0	20	0.46	0.2		12		
	7/7/2011	0	20	0.56	0		11		
	7/28/2011	0	19.8	0.74	0		11		
	8/15/2011	0	19.8	0.94	0		0		
	1/10/2012	0	17.2	1.44	1.5		6		Approximately 50% dilution. Restarted system at 11:30. Collected readings after 30 min of start up.
	1/10/2012	0	16.5	1.68	3.9		8		Collected 2 hrs after system start up
	1/10/2012	0	16.7	1.88	4.0		9		Collected after 1 hr of full operation
	1/24/2012	0	20.1	0.59	0.5		21		
	2/6/2012	0	20.3	0.46	0		23		
	2/20/2012	0	20.4	0.49	0		22		
	3/6/2012	0	20.3	0.53	0.6		20		
	3/26/2012	0	20.5	0.37	0		17		
	4/10/2012	0	20.5	0.41	0		17		
	4/23/2012	0	20.5	0.41	0		15		
	5/7/2012	0	20.5	0.42	0.6		13		
	5/22/2012	0	20.3	0.48	0		13		
	6/5/2012	0	20	0.58	0		8		
	6/19/2012	0	20.4	0	0		10		
	7/3/2012	0	20.1	0.66	0		11		
7/18/2012	0	20.0	0.72	0		11			
7/30/2012	0	20.0	0.77	0		11			
8/12/2012	0	20.3	0.55	0		10			
8/29/2012	0	20.2	0.65	0		10			
9/11/2012	0	20.2	0.66	0		10			
9/25/2012	0	20.2	0.66	0.6		10			
10/16/2012	0	20.0	0.57	0.1		10			
10/30/2012	0	20.4	0.55	0		10			
11/12/2012	0	20.4	0.52	0		10.5		System shutdown upon departure.	
12/4/2012	0	20.2	0.47	0		10			
12/17/2012	0	20.3	0.58	0		19			
1/2/2013	0	20.6	0.38	0		19			
1/15/2013	0	20.5	0.35	0		19			
1/29/2013	0	20.2	0.25	0.1		19			
2/12/2013	0	20.4	0.29	0.5		19			
2/25/2013	0	20.2	0.48	0		17			
3/12/2013	0.0	20.4	0.41	0.1		18			
3/25/2013	0	20.4	0.38	0.1		18			
4/9/2013	0	20.4	0.38	0		17			
4/23/2013	0	20.5	0.33	0.2		10			
5/9/2013	0	20.3	0.26	0		13			
2/26/14 12:00 PM	0	4.8	5.20	0		10			
2/26/14 2:00 PM	0	4.8	5.70	1.0		10			

Table 4
SVE Point Field Data
Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin

Sample Location	Date	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	PID (ppm)	Methane (%)	Vacuum (inches of water)	FID	Comment
	2/26/14 3:30 PM	0	5.6	4.45	7.6		10		
	3/25/2014	1.75	19.5	1.10	6.5		-21		
	4/16/2014	0	20.5	0.55	0		26		
	5/15/2014	0	20.5	0.33	0		18		
	6/9/2014	0	20.5	0.50	0		9		
	7/17/2014								OFF
	8/19/2014								OFF
	8/16/2014								OFF
	10/14/2014								OFF
	11/13/2014								OFF
	12/11/14 8:50 AM								CLOSED
	1/15/15 11:30 AM								CLOSED
	2/24/15 11:30 AM								CLOSED
	6/10/15 10:00 AM								System is off
	7/13/15 2:30 PM								System is off
	7/30/15 8:30 AM								System is off
	8/20/15 11:15 AM								System is off
	9/23/15 12:00 PM								System is off
	10/22/15 12:00 PM								System is off
	11/12/15 12:00 PM								System is off
	12/7/2015								System is off
	1/14/2016								System is off
	2/6/2008	100	13	2.1	182				
	2/27/2008	100	15.5	1.7	56		30		
	2/28/2008	100	15	2.2	53		30		
	2/29/2008	100	15.9	1.9	54		30		
	3/6/2008	100	16.2	3	5		34	43100	
	3/12/2008	63	17.6	1.7	79		12	3749	
	3/18/2008	95	19.6	1.4	144		11	23600	
	3/26/2008	25	19.3	1.5	163		29	7790	
	4/1/2008	22	19.2	1.3			30	8613	
	4/8/2008	23	19.7	1.3	557		32	11100	
	4/15/2008						39		
	4/21/2008	3	19.9	0.8	391		40	2219	
	5/6/2008	0	20.5	0.5	47.2		0	232	
	5/22/2008	0	20.5	0.5	61		11	168	
	6/27/2008	0	18	0.3	79.3			208	
	7/22/2008	0	20.6	0.6	48		10	NM	
	7/23/2008								
	7/30/2008	0	20.2	0.8	158		9	36	
	8/5/2008	0	20.1	0.9	26		10	76	
	8/12/2008	0	20	1	29		10	53	
	8/19/2008	0	20.2	1	28		10	81	
	8/27/2008	0	20	1	54		10	172	
	9/9/2008	0	20.7	1	2		10		
	9/16/2008	0	18.5	2	101		10		
	9/24/2008	0	20.3	1	57		10		
	9/30/2008	0	20.3	0	136		10		
	10/14/2008	0	20.3	0.76	49.3				
	10/21/2008	0	20.2	0.86	77		10		
	11/4/2008	0	20.3	0.65	133		12		
	11/11/2008	0	20.5	0.78	21		11.5		
	11/19/2008	0	20.4	0.7	8.2		12		
	12/4/2008	0	20	0.76	20		11		
	12/10/2008	0	20.3	0.71	11		10		
	1/2/2009	0.08	20.3	0.78	56		20		
	1/20/2009						24		
	1/27/2009	0	20.3	0.72	15		26		
	2/4/2009	0.05	20.2	0.74	90		32		
	2/17/2009	0	20.4	0.71	9		24		
	2/27/2009	0.03	20.2	0.73	8		28		
	3/4/2009	0	20.5	0.58	6.4		28		
	3/11/2009	0	20.7	0.27	2.6		26		
	3/17/2009								CLOSED
	3/24/2009								CLOSED
	3/31/2009	0	20.4	0.49	11.6		15		
	4/8/2009								CLOSED
	4/13/2009								CLOSED
	4/22/2009								CLOSED
	4/29/2009								CLOSED
	5/12/2009	0	20.4	0.6	20.5		15		
	5/19/2009	0	20.3	0.64	7.4		15		
	6/5/2009	0.09	20.2	0.62	90.2		10		
	6/10/2009	0.09	20.3	0.6	84		10		
	6/16/2009	0.1	20.4	0.62	106		10		
	6/24/2009	0.09	20.3	0.61	100		10		
	6/30/2009	0	20.1	0.61	102		7.5		
	7/8/2009	0.76	19.9	0.62	300		7		
	7/29/2009	0.32	20.3	0.59	237		7		
	8/4/2009	0.26	20.3	0.72	231		8		
	8/18/2009	0.25	20.3	0.75	272		8		
	9/11/2009	0.43	19.6	0.98	518		10		
	9/15/2009	0.34	20	0.87	502		10		
	9/29/2009	0.13	20.1	0.93	249		10		
	10/15/2009	0.1	20.4	0.8	130		10		
	10/28/2009	0.07	19.8	0.6	211		11		
	11/11/2009	0.09	20	0.78	106		11		
	12/1/2009	0.23	19.6	0.98	280		10		
	12/7/2009	0.08	20.3	0.8	141		15		
	12/22/2009	0.07	20.3	0.67	146		19		
	1/5/2010	0.06	20.3	0.72	119		21		
	1/18/2010	0	20.5	0.67	77		21		
	2/9/2010	0	20.4	0.6	97		22		
	2/16/2010	0	20.6	0.55	110		20		
	3/2/2010	0	20.3	0.58	95		22		
	3/16/2010	0	20.6	0.48	74		21		
	3/29/2010	0	20.6	0.38	90		19		
	4/13/2010	0	20.6	0.34	68		17		
	4/27/2010	0	20.5	0.31	73		28		
	5/12/2010	0.05	20.4	0.41	79		23		
	5/26/2010	0	20.5	0.44	78		21		
	6/9/2010	0	20.2	0.52	44		22		
	10/19/2010	0	20.2	0.55	16		23		
	7/7/2010	0	20.3	0.53	15		22		
	7/29/2010	0	20.2	0.47	16		21		
	8/3/2010	0	20.2	0.5	18		16		
	8/16/2010	0	19.9	0.5	24		15		
	8/31/2010	0	20.1	0.57	17		15		
	9/14/2010	0	20	0.6	27		16		
	9/27/2010	0	19.7	0.65	7		17		
	10/12/2010	0	19.9	0.77	1		18		
	10/25/2010	0	20.1	0.72	19		19		
	11/9/2010	0	20.2	0.65	14		20		
	11/30/2010	0	20.2	0.6	0.3		24		
	12/16/2010	0	20.2	0.54	0.8		26		
	12/28/2010	0	20.2	0.6	0.1		26		
	1/12/2011	0	19.9	0.52	1.1		21		
	1/25/2011	0	20.4	0.41	17		21		
	2/8/2011	0	19	0.35	10.2		20		Before system changes
	2/8/2011	0	19	0.36	12.7				After system changes

SVE #4

Table 4
SVE Point Field Data
Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin

Sample Location	Date	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	PID (ppm)	Methane (%)	Vacuum (inches of water)	FID	Comment
	2/21/2011	0	20.4	0.34	4.5		22		
	3/8/2011	0	20.4	0.37	5.5		21		
	3/24/2011	0	20.4	0.4	2.2		22		
	4/4/2011	0	20.5	0.35	0.7		21		
	4/26/2011	0	20.5	0.35	0		15		
	5/10/2011	0	20.4	0.34	0		18		
	5/23/2011	0	20.5	0.34	0		14		
	6/7/2011	0	20.4	0.43	0		13		
	6/23/2011	0	20	0.48	0.3		13		
	7/7/2011	0	20.2	0.46	0		12		
	7/28/2011	0	19.5	0.76	0		12		
	8/15/2011	0	19.5	1.14	0		0		
	1/10/2012	0	18.8	1.40	1.8		7		Approximately 50% dilution. Restarted system at 11:30. Collected readings after 30 min of start up.
	1/10/2012	0	18.8	1.42	3.6		7		Collected 2 hrs after system start up
	1/10/2012	0	19.0	1.36	5.3		9		Collected after 1 hr of full operation
	1/26/2012	0	19.8	0.92	1.0		21		
	2/6/2012	0	20.0	0.78	0.3		21		
	2/20/2012	0	20.2	0.68	0		20		
	3/6/2012	0	20.3	0.61	2.4		18		
	3/26/2012	0	20.5	0.46	0.8		16		
	4/10/2012	0	20.5	0.38	0.5		16		
	4/23/2012	0	20.6	0.33	0		14		
	5/7/2012	0	20.6	0.30	1.1		13		
	5/22/2012	0	20.5	0.29	0.1		12		
	6/5/2012	0	20.3	0.39	0		11		
	6/19/2012	0	20.5	0.34	0		12		
	7/5/2012	0	20.4	0.34	0		11		
	7/18/2012	0	20.2	0.47	0		11		
	7/30/2012	0	20.0	0.61	0		11		
	8/12/2012	0	19.8	0.73	0.6		11 (upon arrival) / 10 (after adjustments)		
	8/29/2012	0	20.3	0.60	0.5		10		
	9/11/2012	0	20.3	0.63	0.2		10		
	9/25/2012	0	20.3	0.62	0.8		10		
	10/16/2012	0	20.1	0.58	0.2		10		
	10/30/2012	0	20.4	0.57	0.1		10		
	11/12/2012	0	20.5	0.54	0		10.5		System shutdown upon departure.
	12/4/2012	0	20.4	0.50	0		10		
	12/17/2012	0	20.4	0.58	0		18		
	1/2/2013	0	20.4	0.58	0		25		
	1/15/2013	0	20.5	0.49	0		25		
	1/29/2013	0	20.0	0.38	0.5		20		
	2/12/2013	0	20.4	0.42	0.7		21		
	2/25/2013	0	20.5	0.40	0		20		
	3/12/2013								CLOSED
	3/25/2013								OFF
	4/9/2013								CLOSED
	4/22/2013								CLOSED
	5/9/2013								CLOSED
	5/26/14 12:00 PM	0	9.9	3.35	0		12		CLOSED/NOF
	2/26/14 2:00 PM	0	10.4	2.90	3.0		13		
	2/26/14 3:30 PM	0.09	10.1	2.95	10.5		13		
	3/25/2014	1.85	18.5	18.7	8.0		-29		
	4/16/2014	0	20.5	0.47	0		25		
	5/15/2014	0	20.5	0.39	0		21		
	6/9/2014	0	20.5	0.36	0		14		
	7/17/2014								OFF
	8/19/2014								OFF
	9/16/2014								OFF
	10/14/2014								OFF
	11/13/2014								OFF
	12/11/14 8:59 AM								CLOSED
	1/13/15 11:30 AM	0	20.5	0.33			50 after opening		Opened/Turned on closed/opened
	2/24/15 11:30 AM	0	20.4	0.26	0		38		System is off
	6/10/15 10:00 AM								System is off
	7/31/15 2:30 PM								System is off
	7/30/15 8:30 AM								System is off
	8/20/15 11:15 AM								System is off
	9/23/15 12:00 PM								System is off
	10/23/15 12:00 PM								System is off
	11/23/15 12:00 PM								System is off
	12/7/2015								System is off
	1/14/2016								System is off
	1/17/2008	75	17.8	1.4	460		31		
	1/17/2008	63	17.1	1.4	139				
	1/18/2008	69	18	1.4	325		29		
	1/19/2008	68	17.2	1.6	430	82.2	29		
	1/19/2008	69	17.6	1.6	344	80.8	29		
	1/20/2008	61	18	1.6	365	80.4	31		
	1/20/2008	66	17.9	1.6	337	80.4	30		
	1/23/2008	72	17.7	1.7	252	80.6	35		
	1/24/2008	78	17.5	1.7	305		46		
	1/31/2008	86	16.3	1.8	1636		45		
	2/6/2008	100	16.9	2	108		34		
	2/7/2008	92	16.8	2.1	54		30		
	2/28/2008	100	17.5	2	124		30		
	2/29/2008	100	17.2	1.9	96		30		
	3/6/2008	24	18.3	1.7	49		32	11200	
	3/12/2008	16	18.1	1.9	121		12	6661	
	3/19/2008	12	19.7	1.1	260		11	2360	
	4/21/2008	0	20.4	0.7	184			1085	
	5/6/2008	0	20.6	0.5	74.5		0	695	
	5/22/2008	0	20.7	0.5	167		10	950	
	6/27/2008	0	18.2	0.3	81			282	
	7/22/2008	0	20.7	0.3	95		10	NM	
	7/23/2008						9		
	7/30/2008	0	20.4	0.5	224		9	1040	
	8/5/2008	3	20.4	0.5	206		10	1128	
	8/12/2008	0	20.3	0.6	105		10	664	
	8/19/2008	0	20.5	0.5	126		10	615	
	8/27/2008	0	20.4	0.5	189		9.5	1106	
	9/9/2008	0	20.2	0	13		10		
	9/16/2008	0	18.5	1	97		9.5		
	9/24/2008	0	20.4	0	31		10		
	9/30/2008	0	20.4	0	125		10		
	10/14/2008	0	20.4	0.61	41		10		
	10/21/2008	0	20.3	0.78	72		10		
	11/4/2008	0	20.4	0.61	138		11		
	11/11/2008	0	20.4	0.78	18		11		
	11/19/2008	0	20.4	0.71	4		12		
	12/4/2008	0.05	19.9	0.76	11		10		
	12/10/2008	0	20.2	0.72	9		10		
	1/2/2009	0.08	20.3	0.78	54		20		
	1/20/2009						24		
	1/27/2009	0	20.3	0.84	15		25		
	2/4/2009	0.05	20.2	0.85	75		32		
	2/17/2009	0	20.4	0.75	15		22		
	2/27/2009	0.05	20.2	0.75	14		26		
	3/4/2009	0	20.5	0.54	10.1		26		
	3/11/2009	0	20.7	0.18	8		24		
	3/17/2009								CLOSED
	3/24/2009								CLOSED
	3/31/2009	0	20.5	0.33	5.8		12		

Table 4
SVE Point Field Data
Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin

Sample Location	Date	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	PID (ppm)	Methane (%)	Vacuum (inches of water)	FID	Comment
	4/8/2009								CLOSED
	4/13/2009								CLOSED
	4/22/2009								CLOSED
	4/29/2009								CLOSED
	5/12/2009	0	20.5	0.31	15.3		12		
	5/19/2009	0	20.6	0.38	7.2		13		
	6/5/2009	0.06	20.5	0.27	65		11		
	6/10/2009	0.07	20.4	0.46	66		11		
	6/16/2009	0.06	20.4	0.51	86		11		
	6/24/2009	0	20.3	0.57	69		11		
	6/30/2009	0.13	20.4	0.47	102		7.5		
	7/8/2009	0.76	19.9	0.62	300		7		
	7/20/2009	0.32	20.3	0.59	237		7		
	8/4/2009	0.17	20.3	0.59	168		8		
	8/18/2009	0.18	20.7	0.71	232		8		
	9/1/2009	0.34	19.9	0.84	447		10		
	9/15/2009	0.27	20.1	0.84	467		10		
	9/29/2009	0.41	20.2	0.78	249		10		
	10/15/2009	0.1	20.5	0.77	144		11		
	10/28/2009	0.13	20.1	0.69	182		12		
	11/11/2009	0.09	20.1	0.85	117		10		
	12/1/2009	0.2	19.9	0.72	249		10		
	12/7/2009	0.09	20.4	0.74	177		15		
	12/22/2009	0.07	20.5	0.62	153		18		
	1/5/2010	0.06	20.6	0.56	93		20		
	1/19/2010	0	20.7	0.46	92		22		
	2/5/2010	0	20.7	0.3	76		23		
	2/16/2010	0	20.8	0.2	90		19		
	3/2/2010	0	20.4	0.26	75		21		
	3/16/2010	0	20.7	0.34	70.1		22		
	3/29/2010	0	20.6	0.29	78.6		20		
	4/13/2010	0	20.6	0.28	66		18		
	4/27/2010	0	20.6	0.26	54		29		
	5/12/2010	0	20.4	0.28	60		23		
	5/26/2010	0	20.7	0.26	47		21		
	6/8/2010	0	20.4	0.31	54		22		
	6/24/2010	0	20.4	0.32	32		23		
	7/7/2010	0	20.3	0.46	17		23		
	7/20/2010	0	19.9	0.58	12		21		
	8/3/2010	0	19.6	0.62	26		16		
	8/16/2010	0	19.5	0.84	28		15		
	8/31/2010	0	19.9	0.79	20		18		
	9/14/2010	0	19.9	0.83	25		16		
	9/27/2010	0	19.7	0.81	7		18		
	10/12/2010	0	20.1	0.83	25		18		
	10/25/2010	0	20.4	0.71	12		19		
	11/8/2010	0	20.4	0.66	11		20		
	11/30/2010	0	20.3	0.57	0.8		24		
	12/16/2010	0	20.3	0.51	0.5		26		
	12/28/2010	0	20.3	0.49	0		27		
	1/12/2011	0	19.9	0.42	0.7		21		
	1/25/2011	0	20.3	0.41	11		21		
	2/8/2011	0	19	0.42	8.6		22		Before system changes
	2/8/2011	0	19	0.4	11.6		21		After system changes
	2/21/2011	0	20.4	0.36	2.8		20		
	3/8/2011	0	20.4	0.37	5.5		21		
	3/24/2011	0	20.5	0.32	1.8		23		
	4/4/2011	0	20.6	0.28	0.5		21		
	4/26/2011	0	20.6	0.31	0		16		
	5/10/2011	0	20.5	0.22	0		18		
	5/23/2011	0	20.5	0.28	0		15		
	6/7/2011	0	20.3	0.3	0		12		
	6/23/2011	0	19.9	0.44	0		14		
	7/7/2011	0	19.9	0.57	0		12		
	7/28/2011	0	20	0.63	0		12		
	8/15/2011	0	19.6	1.06	0		0		
	1/10/2012	0	19.1	1.14	1.8		7		Approximately 50% dilution. Restarted system at 11:30. Collected readings after 30 min of start up.
	1/10/2012	0	19.1	1.14	3.9		7		Collected 2 hrs after system start up
	1/10/2012	0	19.3	1.10	4.7		9		Collected after 1 hr of full operation
	1/24/2012	0	19.5	1.06	1.2		22		
	2/6/2012	0	19.9	0.89	0.8		22		
	2/20/2012	0	20.3	0.75	0.2		21		
	3/6/2012	0	20.4	0.68	3.0		20		
	3/26/2012	0	20.3	0.75	1.0		16		
	4/10/2012	0	20.3	0.65	1.0		18		
	4/23/2012	0	20.4	0.60	0.2		15		
	5/7/2012	0	20.4	0.53	1.3		15		
	5/22/2012	0	20.3	0.47	0.3		12		
	6/5/2012	0	20	0.56	0.0		11		
	6/19/2012	0	20.4	0.54	0.3		11		
	7/3/2012	0	20.1	0.52	0.1		10		
	7/18/2012	0	20.0	0.63	0		11		
	7/30/2012	0	19.8	0.79	0		11		
	8/12/2012	0	19.7	0.85	0.8		11 (upon arrival) / 10 (after adjustments)		
	8/28/2012	0	19.9	0.89	1.3		10		
	9/11/2012	0	19.8	0.92	0.5		10		
	9/25/2012	0	19.9	0.92	0.4		10		
	10/9/2012	0	19.8	0.88	0.5		10		
	10/30/2012	0	20.1	0.90	0.3		10		
	11/12/2012	0	20.2	0.84	0		11		System shutdown upon departure.
	12/4/2012	0	20.0	0.75	0		10		
	12/17/2012	0	20.3	0.74	0		17		
	1/2/2013	0	20.4	0.62	0.1		19		
	1/15/2013	0	20.4	0.58	0.3		19		
	1/29/2013	0	20.0	0.52	1.0		20		
	2/12/2013	0	20.4	0.51	1.1		20		
	2/25/2013	0	20.5	0.48	0.1		17		
	3/12/2013								CLOSED
	3/25/2013								OFF
	4/9/2013								CLOSED
	4/22/2013								CLOSED
	5/9/2013								CLOSED/OFF
	2/26/14 12:00 PM	0	13.6	2.75	0.3		9		
	2/26/14 2:00 PM	0.08	13.7	2.75	4.1		8		
	2/26/14 3:30 PM	0.07	13.9	2.76	11.7		8		
	3/25/2014	1.80	19.8	0.79	8.4		-21		
	4/16/2014	0	20.4	0.65	0		25		
	5/15/2014	0	20.5	0.44	0		19		
	6/9/2014	0	20.4	0.42	0		10		
	6/11/14 11:50 AM	0	20.4	0.40	0		10		Pilot start up SVE-only. Stacking H2O.
	6/11/14 12:00 PM	0	20.6	0.23	38.5		25V		Pilot study restart at 12:00.
	6/11/14 12:45 PM	0	20.9	0.05	45		25V		7d purge with points open after 30 min.
	6/11/14 1:45 PM	0	20.5	0.31	22		25		Final reading before departure.
	7/17/2014	0	20.2	0.49	3.3		25		
	8/19/2014	0	20.0	0.75	1.9		9		
	9/16/2014	0	19.7	0.95	0		20		
	10/14/2014	0	20.1	0.93	0.3		30		
	11/13/2014	0	20.3	0.79	0		27		
	12/11/14 8:00 AM	0	20.4	0.66	0		43		
	12/11/14 10:45 AM	0	20.4	0.66	0		42		
	1/13/15 11:30 AM	0	20.4	0.47	0		48		
	2/24/15 11:30 AM	0	20.6	0.46	0		38		
	6/10/15 10:00 AM								System is off

Table 4
SVE Point Field Data
Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin

Sample Location	Date	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	PID (ppm)	Methane (%)	Vacuum (inches of water)	FID	Comment
	7/13/15 2:30 PM								System is off
	7/30/15 8:30 AM								System is off
	8/20/15 11:15 AM								System is off
	9/23/15 12:00 PM								System is off
	10/22/15 12:00 PM								System is off
	11/12/15 12:00 PM								System is off
	12/7/2015								System is off
	1/14/2016								System is off
	2/6/2008	100	9.7	4.9	118.5				
	2/27/2008	100	10.7	6.8	53		30		
	2/28/2008	100	9.8	7.6	89		30		
	2/29/2008	100	9.1	8.1	57		30		
	3/6/2008	100	11.9	6.7	35		32	12200	
	3/12/2008	100	16.2	3.4	134		12	11%	
	3/19/2008	26	20.3	0.5	111		11	4275	
	4/21/2008	20	20.3	0.6	484			10200	
	4/28/2008	9	20.4	0.8	535		37	5069	
	5/6/2008	13	20.1	0.6	784		34	8483	
	5/22/2008	10	20.4	0.6	354		32	4725	
	6/8/2008	11	20.2					4136	
	6/27/2008	8	18	0.6	357			1744	
	7/22/2008	13	20.1	0.8	477		10	NM	
	7/23/2008						10		
	7/30/2008	10	20	0.9	504		10	3830	
	8/5/2008	17	20	0.9	466		10	4039	
	8/12/2008	8	19.9	1	197		10	2930	
	8/19/2008	8	20	0.9	358		10	2385	
	8/27/2008	10	19.7	0.9	403		10	4075	
	9/9/2008	0	20.6	1	1.3		10		
	9/16/2008	0	18.4	3	96		10		
	9/24/2008	0	20.2	1	53		10		
	9/29/2008	0	20.1	0	208		10		
	10/14/2008	0	19.9	1.22	80		10		
	10/21/2008	0	20	1.16	76		10		
	11/4/2008	0	20.1	0.89	168		12.5		
	11/11/2008	0	20.2	0.98	32		12		
	11/19/2008	0	20.2	0.85	16		12		
	12/4/2008	0.1	19.7	0.94	20		11.5		
	12/10/2008	0.14	19.9	0.94	25		10		
	1/2/2009	0.11	18.6	1.52	64		20		
	1/20/2009						25		
	1/27/2009	0.08	20.2	0.9	28		26		
	2/4/2009	0.09	20.1	0.8	100		32		
	2/17/2009	0.12	19.9	0.91	45		25		
	2/27/2009	0.08	20.1	0.92	17		26		
	3/4/2009	0.09	20.1	0.88	48.5		27		
	3/11/2009	0.06	20.2	0.89	78		30		
	3/17/2009	0.22	19.9	0.93	338		29		
	3/24/2009	0.14	20.1	0.66	258		31		
	3/31/2009	0	20.5	0.33	85		13		
	4/8/2009	0.08	20.3	0.35	154		28		
	4/13/2009	0	20.7	0.3	53		27		
	4/22/2009	0.06	20.4	0.36	86		23		
	4/29/2009	0	20.4	0.28	84		26		
	5/12/2009	0	20.5	0.35	46.7		12		
	5/19/2009	0	20.7	0.29	9.9		14		
	6/2/2009	0	20.4	0.29	60		12		
	6/10/2009	0.06	20.1	0.61	85		12		
	6/16/2009	0.06	20.2	0.63	107		12		
	6/24/2009	0.07	20.1	0.71	106		12		
	6/30/2009	0.06	20.2	0.68	99		8		
	7/8/2009	0.2	20.1	0.64	198		8		
	7/20/2009	0.22	20.2	0.79	175		8		
	8/4/2009	0.22	19.9	0.89	217		8		
	8/18/2009	0.24	19.6	1.2	246		7		
	9/11/2009	0.38	19.1	1.46	427		10		
	9/15/2009	0.35	19.7	1.142	446		9		
	9/29/2009	0.19	20.1	0.88	293		11		
	10/5/2009	0.13	20.6	0.52	170		10		
	10/28/2009	0.10	20.1	0.52	194		10		
	11/11/2009	0.11	20.4	0.35	151		11		
	12/1/2009	0.26	19.1	0.82	305		9		
	12/7/2009	0.13	20.3	0.71	219		14		
	12/22/2009	0.12	20.5	0.4	209		18		
	1/5/2010	0.08	20.6	0.2	154		20		
	1/19/2010	0.05	20.7	0.2	128		21		
	2/3/2010	0.08	20.5	0.24	114		23		
	2/16/2010	0.07	20.6	0.26	177		20		
	3/3/2010	0.08	20.5	0.24	158		22		
	3/16/2010	0	20.6	0.29	107		22		
	3/29/2010	0	20.4	0.29	133		20		
	4/13/2010	0.05	20.5	0.29	94		16		
	4/27/2010	0	20.5	0.3	98		27		
	5/12/2010	0.08	20	0.54	140		22		
	5/26/2010	0.06	20.2	0.58	102		20		
	6/8/2010	0.06	19.8	0.66	75		21		
	6/24/2010	0.05	20	0.65	58		21		
	7/7/2010	0	20	0.71	51		21		
	7/20/2010	0	20	0.67	26		70		
	8/3/2010	0.02	20	0.66	55		15		
	8/16/2010	0	19.8	0.74	84		14		
	8/31/2010	0	20.1	0.74	58		15		
	9/14/2010	0	20.1	0.69	60		15		
	9/27/2010	0	19.9	0.6	36		17		
	10/12/2010	0	20.2	0.63	18		17		
	10/25/2010	0	20.5	0.54	29		18		
	11/9/2010	0	20.6	0.37	10		20		
	11/30/2010	0	20.4	0.27	2.9		24		
	12/16/2010	0	20.3	0.25	2.2		25		
	12/29/2010	0	20.3	0.27	2.4		27		
	1/12/2011	0	20	0.36	6		20		
	1/25/2011	0	20.4	0.28	15.6		21		
	2/8/2011	0	19	0.27	13.5		20		
	2/21/2011	0	20.5	0.18	6.4		20		
	3/8/2011	0	20.5	0.2	13.6		20		
	3/24/2011	0	20.6	0.15	5.2		22		
	4/4/2011	0	20.6	0.11	5		22		
	4/26/2011	0	20.5	0.21	4.1		15		
	5/10/2011	0	20.5	0.18	0		18		
	5/23/2011	0	20.5	0.24	0.6		14		
	6/7/2011	0	20.3	0.4	0		13		
	6/23/2011	0	20.1	0.46	0.8		13		
	7/7/2011	0	20.1	0.69	1		12		
	7/28/2011	0	20	0.65	1		11		
	8/15/2011	0	19.9	0.9	0.9		0		

SVE #6

Table 4
SVE Point Field Data
Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin

Sample Location	Date	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	PID (ppm)	Methane (%)	Vacuum (inches of water)	FID	Comment
	1/10/2012	0	17.2	1.72	1.8		5		Approximately 50% dilution. Restarted system at 11:30. Collected readings after 30 min of start up.
	1/10/2012	0	16.5	2.15	4.1		5		Collected 2 hrs after system start up
	1/10/2012	0	16.6	2.15	4.9		8		Collected after 1 hr of full operation
	1/24/2012	0	20.2	0.58	1.5		20		
	2/6/2012	0	20.2	0.45	0.8		19		
	2/20/2012	0	20.4	0.32	0.5		20		
	3/6/2012	0	20.4	0.42	6.3		18		
	3/26/2012	0	20.5	0.31	2.0		15		
	4/10/2012	0	20.4	0.38	1.2		15		
	4/23/2012	0	20.5	0.38	1.2		14		
	5/7/2012	0	20.3	0.45	2.7		13/12		
	5/22/2012	0	20.3	0.46	1.3		12		
	6/5/2012	0	19.6	0.61	0		10		
	6/19/2012	0.10	20.2	0.59	0.1		10		
	7/5/2012	0	20.0	0.66	0.3		12		
	7/18/2012	0	19.8	0.85	0.2		10		
	7/30/2012	0	19.7	0.97	0		10		
	8/12/2012	0	19.7	0.91	1.0		10 (upon arrival) / 9 (after adjustments)		
	8/29/2012	0	20.2	0.69	2.5		9		
	9/11/2012	0	20.2	0.61	1.2		10		
	9/25/2012	0	20.1	0.57	0.8		10		
	10/16/2012	0	20.1	0.47	1.5		9		
	10/30/2012	0	20.3	0.43	1.2		10		
	11/12/2012	0	20.4	0.41	0.3		10		System shutdown upon departure.
	12/4/2012	0	18.7	0.99	0		9		
	12/17/2012	0	20.4	0.45	0		13 (upon arrival) / 14 (after adjustments)		
	1/2/2013	0	20.4	0.38	0.3		18		
	1/15/2013	0	20.5	0.36	0.5		21		
	1/29/2013	0	19.8	0.43	1.2		20		
	2/12/2013	0	20.1	0.45	1.8		19		
	2/25/2013	0	20.5	0.48	0.3		17		
	3/12/2013	0.0	20.1	0.47	0.8		19		
	3/25/2013	0	20.2	0.51	1.6		19		
	4/9/2013	0	20.4	0.38	0.6		19		
	4/22/2013	0	20.5	0.35	0.4		9 (at arrival) / 8 (after adjustments)		
	5/8/2013	0	20.4	0.25	0.1		16		
	2/26/14 12:00 PM	--	--	--	--		--		Frozen line
	2/26/14 2:00 PM	--	--	--	--		--		Frozen line
	2/26/14 3:30 PM	--	--	--	--		--		Frozen
	3/25/2014	1.60	20.5	0.0	8.7		0		Frozen
	4/16/2014	0	20.7	0.60	0		1		Still an issue.
	5/15/2014	0	20.8	0	0		2		Still an issue. Possible cap.
	6/9/2014	0	20.7	0.18	0		12		
	6/11/14 11:00 AM	0	20.4	0.41	153				Pilot start up SVE only. PID valve ok.
	6/11/14 12:00 PM	0	20.4	0.60	27/28		28V		Please study restart at 12:00.
	6/11/14 12:45 PM	0	20.9	0.03	26		27V		7d spurge with points open after 30 min.
	6/11/14 1:45 PM	0	20.9	0.65	22		27		Final reading before departure.
	7/1/2014	0	20.1	0.71	3.4		26		
	8/19/2014	0	19.8	0.87	1.1		26		
	9/16/2014	0	19.8	0.96	0		31		
	10/14/2014	0	19.8	0.95	0.5		32		
	11/15/2014	0	19.9	0.98	0		28		
	12/11/14 8:50 AM	0.9	20.0	0.75	0		42		
	12/11/14 10:45 AM	0	20.8	0.06	0		43		
	1/13/15 11:30 AM	0.01	20.9	0.01	0		46		
	2/24/15 11:30 AM	0	20.8	0.00	0		38		
	6/10/15 10:00 AM								System is off
	7/13/15 2:30 PM								System is off
	7/30/15 8:30 AM								System is off
	8/20/15 11:15 AM								System is off
	9/23/15 12:00 PM								System is off
	10/22/15 12:00 PM								System is off
	11/12/15 12:00 PM								System is off
	12/7/2015								System is off
	1/14/2016								System is off
	1/24/2008	100	15.9	2.3	332		15		
	1/31/2008	100	15.5	2.5	1473		5		
	2/6/2008	100	15.5	2.5	149.8				
	2/27/2008	100	15.9	2.9	74		30		
	2/28/2008	100	16.7	3.1	130		29		
	2/29/2008	100	16.3	3.1	94		30		
	3/6/2008	16	17.6	2.8	102		32	5620	
	3/12/2008	2	16.9	2.9	123		11	2398	
	3/19/2008	3	18.1	2.4	26		10	299	
	4/21/2008	0	20.2	1.5	94.1			415	
	5/6/2008	0	20.7	0.3	53.7		0	287	
	5/22/2008	0	20.9	0.2	63		10	199	
	6/27/2008	0	18.1	0.2	50			114	
	7/22/2008	0	20.7	0.2	38.6		9	NM	
	7/23/2008						9		
	7/30/2008	2	19.4	0.6	95		9	704	
	8/5/2008	2	19	0.9	96		9	775	
	8/12/2008	0	19.7	1.4	62		10	522	
	8/18/2008	0	20.1	1.5	83		10	560	
	8/27/2008	0	19.8	1.4	32		9	900	
	9/9/2008	0	20.2	1	1.7		9.5		
	9/16/2008	0	18.1	2	96		9		
	9/24/2008	0	20.1	1	137		9.5		
	9/30/2008	0	20.1	0	238		9.5		
	10/14/2008	0.07	19.9	1	110		10		
	10/21/2008	0.07	19.7	1.04	90		10		
	11/4/2008	0	19.9	0.92	187		11		
	11/11/2008	0.06	20	1.18	72		11.5		
	11/19/2008	0	20.2	1.06	24		12		
	12/4/2008	0.09	20.4	0.08	45		11		
	12/10/2008	0.08	20.7	0.08	54		10		
	1/2/2009	0.1	18	2.1	61		20		
	1/20/2009						22		
	1/27/2009	0.02	20.8	0.1	41		25		
	2/4/2009	0.06	20.6	0.1	100		30		
	2/17/2009	0.05	20.9	0.08	66		20		
	2/27/2009	0.06	20.8	0.08	20		23		
	3/4/2009	0	20.8	0.06	65.4		24		
	3/11/2009	0.05	20.9	0.06	60		26		
	3/17/2009	0.06	20.7	0.05	95.5		25		
	3/24/2009	0.11	20.3	0.44	235		29		
	3/31/2009	0.06	20.5	0.33	117		12		
	4/8/2009	0.08	20.3	0.35	115		26		
	4/13/2009	0.07	20.6	0.38	87		24		
	4/22/2009	0	20.4	0.35	75		23		
	4/29/2009	0	20.1	0.39	53		25		
	5/12/2009	0	20.2	0.35	46.7		12		
	5/19/2009	0	20.3	0.42	12.7		12		
	6/5/2009	0	19.9	0.58	44		11		
	6/10/2009	0.05	19.6	0.83	70		11		
	6/16/2009	0	19.5	0.98	99		11		
	6/24/2009	0	19.3	1.16	80		11		
	6/30/2009	0.05	19.3	1.2	84		7		
	7/8/2009	0.1	19.2	1.24	307		7.5		
	7/20/2009	0.15	19.2	1.50	130		8		
	8/4/2009	0.1	18.4	2	150		8		

Table 4
SVE Point Field Data
Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin

Sample Location	Date	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	PID (ppm)	Methane (%)	Vacuum (inches of water)	FID	Comment
SVE #7	8/18/2009	0.12	17.8	2.55	185		8		
	9/11/2009	0.15	18	2.65	268		10		
	9/15/2009	0.12	18.4	2.65	257		10		
	9/29/2009	0.1	19	2.2	177		10		
	10/15/2009	0.07	20.4	0.68	110		10		
	10/28/2009	0.12	19.5	1.64	157		11		
	11/11/2009	0.09	20	1.12	82.1		12		
	12/1/2009	0.19	19.9	1.08	248		10		
	12/7/2009	0.09	20.2	1.1	152		16		
	12/22/2009	0.07	20.4	0.68	139		18		
	1/5/2010	0.06	20.6	0.2	107		20		
	1/19/2010	0.05	20.7	0.42	103		21		
	2/5/2010	0.06	20.6	0.34	100		22		
	2/16/2010	0.05	20.7	0.27	109		19		
	3/3/2010	0.06	20.6	0.31	98		23		
	3/16/2010	0	20.6	0.27	100		22		
	3/29/2010	0.05	20.5	0.27	110		19		
	4/13/2010	0	20.6	0.28	66		18		
	4/27/2010	0.06	20.4	0.31	96		27		
	5/12/2010	0	20.7	0.03	71		22		
	5/26/2010	0.05	20.5	0.42	67		20		
	6/9/2010	0.06	20	0.53	71		20		
	6/24/2010	0	19.9	0.69	51		23		
	7/7/2010	0	20.8	0.1	25		22		
	7/20/2010	0	20	0.1	18		22		
	8/5/2010	0	20.3	0.16	36		16		
	8/16/2010	0	20.7	0.03	27		15		
	8/31/2010	0	19.4	1.28	46		15		
	9/14/2010	0	19.6	1.24	43		15		
	9/27/2010	0	19.6	1.02	25		17		
	10/12/2010	0	20.2	0.03	12.2		18		
	10/25/2010	0	20.4	0.67	21		19		
	11/9/2010	0	20.5	0.49	11		20		
	11/30/2010	0	18.9	1.38	2.7		23		
	12/16/2010	0	20.3	0.27	4.3		25		
	12/28/2010	0	20.4	0.22	3.5		25		
	1/12/2011	0	20	0.19	5.5		21		
	1/25/2011	0	20.5	0.11	11.8		23		
	2/8/2011	0	19	0.22	15.4		20		
	2/21/2011	0	20.6	0.08	9.2		22		
	3/8/2011	0	20.6	0.03	10.3		22		
	3/24/2011	0	20.7	0.08	5.3		22		
	4/9/2011	0	20.6	0.13	2.9		22		
	4/26/2011	0	20.6	0.12	4.4		15		
	5/10/2011	0	20.7	0.15	0.2		19		
	5/23/2011	0	20.6	0.08	0.2		15		
	6/7/2011	0	20.9	0.14	0		12		
	6/23/2011	0	20.5	0.03	0.1		13		
	7/7/2011	0	19.9	0.62	1		12		
	7/28/2011	0	19.9	0.7	0.9		12		
	8/15/2011	0	20.1	0.74	0.1		0		
	1/10/2012	0	20.5	0.12	2.1		8		Approximately 50% dilution. Restarted system at 11:30. Collected readings after 30 min of start up.
	1/10/2012	0	20.7	0.07	4.3		7		Collected 2 hrs after system start up
	1/10/2012	0	20.5	0.13	5.2		9		Collected after 1 hr of full operation
	1/24/2012	0	19.5	1.04	1.6		20		
	2/6/2012	0	20.3	0.48	1.0		20		
	2/20/2012	0	20.4	0.60	1.9		20		
	3/6/2012	0	20.7	0.22	8.9		19		
	3/26/2012	0	20.6	0.15	2.5		17		
	4/10/2012	0	20.3	0.57	2.1		17		
	4/23/2012	0	20.3	0.56	1.6		15		
	5/7/2012	0	20.2	0.57	2.9		14		
	5/22/2012	0	20.2	0.59	1.9		13		
	6/5/2012	0	20.2	0.49	0.2		12		
	6/19/2012	0	19.8	0.85	1.3		12		
	7/5/2012	0	19.3	1.06	0.8		10		
	7/16/2012	0	19.8	0.90	0.7		10		
	7/30/2012	0	19.8	1.26	1.0		12		
	8/13/2012	0	19.4	1.22	2.1		11		
	8/29/2012	0	19.8	1.02	3.6		11		
	9/11/2012	0	19.9	0.95	2.5		11		
	9/25/2012	0	19.8	0.92	1.5		10		
	10/16/2012	0	19.8	0.82	2.8		11		
	10/30/2012	0	19.7	1.10	3.8		11		
	11/12/2012	0	19.8	1.04	1.8		12		
	12/4/2012	0	19.8	0.95	0		11		System shutdown upon departure.
	12/17/2012	0	20.1	0.89	0.4		18		
	1/2/2013	0	20.2	0.65	0.6		23		
	1/15/2013	0	20.5	0.31	0.7		22		
	1/29/2013	0	19.9	0.47	1.7		20		
	2/12/2013	0	20.7	0.49	2.7		20		
	2/25/2013	0	20.4	0.45	1.0		19		
	3/12/2013	0.0	20.0	0.69	1.3		22		
	3/25/2013	0	20.2	0.66	2.7		22		
	4/9/2013	0	20.2	0.42	0.9		22		
4/22/2013	0	20.0	0.67	0.5		21			
5/9/2013	0	20.3	0.45	0		20			
2/26/14 12:00 PM	0	20.5	0.37	0.4		11			
2/26/14 2:00 PM	0	20.5	0.30	3.8		12			
2/26/14 3:30 PM	0	20.5	0.31	11.0		12			
3/25/2014	1.65	19.7	0.87	8.4		-29			
4/16/2014	0	20.1	0.69	0		26			
5/15/2014	0	20.8	0	0		21			
6/9/2014	0	20.8	0.04	0		15			
6/11/14 11:00 AM	0	20.8	0.03	130				Pilot start up SVE only. PID contaminated line.	
6/11/14 12:00 PM	0	20.6	0.29	57		34V		Pilot study restart at 12:00.	
6/11/14 12:45 PM	0	20.6	0.32	22		34V		7d sparge with points open after 30 min.	
6/11/14 1:45 PM	0	20.9	0.06	21		34		Final reading before departure.	
7/1/2014	0	20.2	0.57	20.5		30			
8/19/2014	0	20.1	0.85	0.7		30			
9/16/2014	0	20.3	0.65	182		35		Double checked PID reading.	
10/14/2014	0	20.5	0.43	135		35			
11/12/2014	0	20.8	0.01	0		33			
12/11/14 8:00 AM	0	20.8	0.08	0		43			
12/11/14 10:45 AM	0	20.8	0.24	0		43			
1/13/15 11:30 AM	0	20.8	0.19	0		48			
2/20/15 11:30 AM	0	20.7	0.17	0					
6/10/15 10:00 AM								System is off	
7/15/15 2:30 PM								System is off	
7/30/15 8:30 AM								System is off	
8/20/15 11:15 AM								System is off	
9/23/15 12:00 PM								System is off	
10/22/15 12:00 PM								System is off	
11/12/15 12:00 PM								System is off	
12/7/2015								System is off	
1/14/2016								System is off	
2/6/2008		100	0	15.1	155				
3/6/2008		100	10.5	7.4	96		31	82000	
3/12/2008		100	16.1	2.8	155		12	11	
3/19/2008		30	18.7	1.9	174		10	5340	

Table 4
SVE Point Field Data
Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin

Sample Location	Date	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	PID (ppm)	Methane (%)	Vacuum (inches of water)	FID	Comment
	4/21/2008	0	18.4	1.2	135			626	
	5/6/2008	0	18.4	1.1	81.7		0	552	
	5/22/2008	0	17.7	1.7	104		10	323	
	6/27/2008	0	16.3	1.1	107			331	
	7/22/2008	0	17.8	1.4	43		9	NM	
	7/23/2008						9		
	7/30/2008	3	18.9	1.4	273		9	1198	
	8/5/2008	5	18.9	1.6	289		9	1480	
	8/12/2008	3	19.1	1.5	162		9.5	1390	
	8/19/2008	0	19.4	1.3	265		10	1150	
	8/27/2008	0	18.4	1.6	297		9	1308	
	9/9/2008	0	20.1	1	1.5		9.5		
	9/16/2008	0	17.6	2	97		10		
	9/24/2008	0	19.7	1	163		10		
	9/30/2008	0	19.4	2	218		10		
	10/6/2008	0	19.4	1.38	59		15		
	10/14/2008	0	19.3	1.36	96		10		
	10/21/2008	0	19.4	1.3	93		10		
	11/4/2008	0	19.4	1.2	137			41	
	11/11/2008	0	19.1	1.48	84			105	
	11/19/2008	0	19	1.46	26			12	
	12/4/2008	0.07	14.5	2.8	37			11	
	12/10/2008	0.06	16.3	2.75	36			11	
	1/2/2009	0.1	17.7	2.25	64			20	
	1/20/2009							24	
	1/27/2009	0	19.3	1.46	27			25	
	2/4/2009	0.05	18.7	1.58	88			30	
	2/17/2009	0	16.2	2.65	49			20	
	2/27/2009	0	18.3	2.55	44			25	
	3/4/2009	0	18.8	1.58	39.2			26	
	3/11/2009	0	18.3	2.1	52			26	
	3/17/2009	0	17.4	2.15	104			26	
	3/24/2009	0.08	18.6	1.6	169			28	
	3/31/2009	0	20.5	0.06	36			13	
	4/8/2009	0.05	18.7	1.4	71			26	
	4/13/2009	0	18.7	1.56	82			24	
	4/22/2009	0	17.5	1.92	65			22	
	4/29/2009	0	18.6	1.56	65			23	
	5/12/2009	0	18.7	1.58	31			12	
	5/19/2009	0	20.3	0.42	12.7			12	
	6/5/2009	0	13.4	3.05	34			10	
	6/10/2009	0	19	1.5	62			10	
	6/16/2009	0	18.9	1.66	90			10	
	6/24/2009	0	18.7	1.78	81			10	
	6/30/2009	0	18.8	1.72	73			8	
	7/8/2009	0.07	16.3	2.75	118			7	
	7/20/2009	0.1	18.5	2.05	115			7.5	
	8/4/2009	0.1	18.3	2.25	146			8	
	8/18/2009	0.11	18	2.4	170			8	
	9/11/2009	0.09	19.3	1.78	178			10	
	9/15/2009	0.14	17.8	2.55	264			10	
	9/29/2009	0.09	18.2	2.3	144			10	
	10/15/2009	0.06	18.2	2.25	8			10	
	10/28/2009	0.09	18.6	1.72	120			11	
	11/11/2009	0.05	18.8	1.58	75.8			12	
	12/1/2009	0.15	14.3	4.18	155			10	
	12/7/2009	0	18.2	2.1	100			17	
	12/22/2009	0	18.4	1.86	86			21	
	1/5/2010	0	18.8	1.7	62			21	
	1/19/2010	0	18.9	1.68	54			22	
	2/3/2010	0	19.1	1.5	57			23	
	2/16/2010	0	19	1.56	73			20	
	3/5/2010	0	19.1	1.53	61			23	
	3/16/2010	0	19.6	0.93	48			23	
	3/29/2010	0	19.6	0.85	51			19	
	4/13/2010	0	19.3	1.02	47			17	
	4/27/2010	0	19.6	0.87	59			27	
	5/12/2010	0	17.3	1.82	52			20	
	5/26/2010	0	17.8	1.62	47			20	
	6/9/2010	0	16.9	2.15	37			20	
	6/24/2010	0	16.8	2.2	34			23	
	7/7/2010	0	17.1	2.15	20			21	
	7/20/2010	0	18.2	1.54	18			20	
	8/3/2010	0	18.8	1.48	22			15	
	8/16/2010	0	17.2	1.66	18			14	
	8/31/2010	0	18.6	1.44	23			15	
	9/14/2010	0	18.7	1.46	25			15	
	9/27/2010	18	18	1.66	14			17	
	10/12/2010	0	18.2	1.64	8			18	
	10/25/2010	0	18	1.74	14			19	
	11/9/2010	0	18.8	1.4	7			21	
	11/30/2010	0	18.9	1.38	1.6			26	
	12/16/2010	0	19	1.08	2.6			28	
	12/28/2010	0	19.1	1.16	1.7			27	
	1/12/2011	0	18.5	0.94	3.2			21	
	1/25/2011	0	19.8	0.82	7.3			22	
	2/8/2011	0	18.7	0.79	9.2			21	Before system changes
	2/8/2011	0	18.7	0.83	9.1				After system changes
	2/21/2011	0	20	0.89	5.7			23	
	3/8/2011	0	20.1	0.82	6.2			23	
	3/24/2011	0	20.3	0.68	3			24	
	4/6/2011	0	20.1	0.73	2.4			22	
	4/26/2011	0	19.5	0.96	1.4			13	
	5/10/2011	0	20.1	0.72	0			15	
	5/23/2011	0	19.8	0.84	0.2			13	
	6/7/2011	0	20.1	0.82	0			13	
	6/23/2011	0	19.7	0.86	0.3			13	
	7/7/2011	0	19.6	1.04	0.2			11	
	7/28/2011	0	19.7	1.28	0.4			12	
	8/15/2011	0	19.4	1.32	0			0	
	1/10/2012	0	5.6	9.99	1.9		6		Approximately 50% dilution. Restarted system at 11:30. Collected readings after 30 min of start up.
	1/10/2012	0	6.6	9.99	4.8		6		Collected 2 hrs after system start up.
	1/10/2012	0	7.6	9.99	5.3		8		Collected after 1 hr of full operation.
	1/24/2012	0	18.8	1.62	1.7			22	
	2/6/2012	0	19.1	1.42	2.2			22	
	2/20/2012	0	19.3	1.38	2.0			22	
	3/6/2012	0	19.3	1.20	7.1			20	
	3/26/2012	0	20.1	0.64	2.0			18	
	4/10/2012	0	20.1	0.64	1.2			16	
	4/23/2012	0	20.1	0.65	1.4			15	
	5/7/2012	0	20.1	0.71	2.4			13	
	5/22/2012	0	20	0.79	1.8			12	
	6/5/2012	0	17.6	1.34	0.1			10	
	6/19/2012	0	20.0	0.84	0.8			12	
	7/5/2012	0	19.6	1.00	0.5			12	
	7/18/2012	0	20.0	0.91	0.6			11	

Table 4
SVE Point Field Data
Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin

Sample Location	Date	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	PID (ppm)	Methane (%)	Vacuum (inches of water)	FID	Comment
	7/30/2012	0	19.4	1.29	0.6		11		
	8/12/2012	0	19.3	1.32	1.3		11 (upon arrival) / 10 (after adjustments)		
	8/28/2012	0	19.6	1.28	3.7		10		
	9/11/2012	0	19.6	1.28	2.2		10		
	9/25/2012	0	19.6	1.16	1.8		10		
	10/16/2012	0	19.6	0.92	3.1		10		
	10/30/2012	0	19.8	0.93	3.3		10		
	11/12/2012	0	19.9	0.88	3.1		11.5		System shutdown upon departure.
	12/4/2012	0	14.7	2.70	0		10		
	12/17/2012	0	19.8	1.02	1.1		18		
	1/2/2013	0	19.9	0.87	1.2		23		
	1/15/2013	0	20.0	0.78	1.2		25		
	1/29/2013	0	19.7	0.65	2.0		21		
	2/12/2013	0	20.1	0.65	2.7		21		
	2/25/2013	0	20.1	0.69	1.1		19		
	3/12/2013	0.0	20.0	0.76	1.2		24		
	3/25/2013	0	20.1	0.75	2.4		24		
	4/9/2013	0	20.2	0.66	0.8		23		
	4/22/2013	0	20.3	0.58	0.6		20		
	5/9/2013	0	20.1	0.63	0		20		
	2/26/14 12:00 PM	0	4.7	8.10	0.7		10		
	2/26/14 2:00 PM	0.06	4.5	7.50	4.0		10		
	2/26/14 3:30 PM	0.09	5.11	6.15	10		10		
	3/25/2014	1.50	19.6	0.87	8.8		-24		
	4/16/2014	0	20.1	0.70	0		25		
	5/15/2014	0	20.0	0.74	0		20		
	6/9/2014	0	19.9	0.87	0		12		
	7/17/2014								OFF
	8/19/2014								OFF
	9/16/2014								OFF
	10/14/2014								OFF
	11/13/2014								OFF
	12/1/14 8:00 AM								CLOSED
	1/13/15 11:30 AM								CLOSED
	2/24/15 11:30 AM								CLOSED
	6/01/15 10:00 AM								System is off
	7/13/15 2:30 PM								System is off
	7/30/15 8:30 AM								System is off
	8/20/15 11:15 AM								System is off
	9/23/15 12:00 PM								System is off
	10/22/15 12:00 PM								System is off
	11/12/15 12:00 PM								System is off
	12/7/2015								System is off
	1/14/2016								System is off
	2/6/2008	100	8.2	6.3	101.3				
	2/28/2008	100	6.2	9.4	70		16		
	2/29/2008	100	5.8	9.7	48		18		
	3/6/2008	100	12.5	6.4	104		31	74900	
	3/12/2008	100	16.4	2.5	126		12	11%	
	3/19/2008	74	19.5	1.6	125		11	16800	
	3/26/2008	40	19.1	1.5	163		29	15800	
	4/1/2008	34	19.2	1			30	14700	
	4/8/2008	36	19.6	1.1	623		31	20100	
	4/15/2008						38		
	4/21/2008	17	19.7	0.8	706		39	8922	
	4/28/2008	9	19.8	1.2	571		37	4667	
	5/6/2008	9	19.5	0.9	480		35	6264	
	5/22/2008	8	19.6	1	375		32	3850	
	6/4/2008	8	19.3					3245	
	6/27/2008	5	17.4	0.9	377			1676	
	7/22/2008	14	19.4	1.3	491		10	NM	
	7/23/2008						10		
	7/30/2008	12	19.8	1.2	608		9	4528	
	8/5/2008	23	19.8	1.3	605		10	5310	
	8/12/2008	7	19.8	1.3	215		10	2598	
	8/19/2008	7	20	1.2	375		10	2125	
	8/27/2008	14	19.6	1.3	516		10	5610	
	9/9/2008	0	20.7	1	1.3		10		
	9/16/2008	0	18.1	2	93		10		
	9/24/2008	0	20.1	1	168		10		
	9/30/2008	0	20.1	0	237		10		
	10/6/2008	0	19.9	1.28	118		15		
	10/14/2008	0	20	1.3	109		10		
	10/21/2008	0	20	1.22	94		10		
	11/4/2008	0	20.4	0.91	173		12		
	11/11/2008	0	20.1	1.06	56		11.5		
	11/19/2008	0	20.1	0.97	27		12		
	12/4/2008	0.08	19.6	1.08	33		11		
	12/10/2008	0.1	20.2	0.71	35		10		
	1/2/2009	0.09	17.9	2.1	65		20		
	1/29/2009	0	20.2	0.91	28		23		
	2/2/2009	0.06	19.9	0.97	96		26		
	2/17/2009	0.1	19.6	1.14	62		30		
	2/27/2009	0.06	19.7	1.21	31		27		
	3/4/2009	0.07	20	1	63.1		27		
	3/11/2009	0.06	20.2	0.94	79		28		
	3/17/2009	0.14	19.8	0.9	248		29		
	3/24/2009	0.1	19.9	0.88	197		31		
	3/31/2009	0	20.5	0.22	38		13		
	4/8/2009	0.07	19.9	0.72	143		28		
	4/13/2009	0.07	20.2	0.76	140		26		
	4/22/2009	0.12	19.9	0.8	150		24		
	4/29/2009	0.06	19.9	0.75	148		25		
	5/12/2009	0	20.2	0.73	89.1		12.5		
	5/19/2009	0	19.6	0.83	38		13		
	6/5/2009	0.12	18.4	1.42	177		11		
	6/10/2009	0.08	20	0.88	110		11		
	6/16/2009	0	20.7	0.11	28		11.5		
	6/24/2009	0.06	20	0.99	137		11		
	6/30/2009	0	18.8	1.72	73		8		
	7/8/2009	0.25	19.4	1.22	110		8		
	7/20/2009	0.15	20.1	0.97	175		8		
	8/4/2009	0.22	20	1.12	236		8		
	8/18/2009	0.22	20	1.24	244		8		
	9/1/2009	0.1	18.9	1.3	313		10		
	9/15/2009	0.25	19.7	1.46	392		10		
	9/29/2009	0.16	19.9	1.16	286		10		
	10/15/2009	0.14	19.9	1.1	176		11		
	10/28/2009	0.14	19.8	1.04	171		12		
	11/11/2009	0.09	20	0.86	141		12		
	12/1/2009	0.24	18.6	1.46	282		11		
	12/7/2009	0.08	20.1	0.97	164		16		
	12/22/2009	0.09	20.1	0.84	146		20		
	1/5/2010	0.07	20.2	0.78	132		23		
	1/19/2010	0.06	20.3	0.76	110		23		
	2/5/2010	0.07	20.2	0.75	160		24		
	2/16/2010	0.07	20.3	0.7	179		22		
	3/5/2010	0.08	20.2	0.72	172		24		
	3/16/2010	0	20.4	0.6	133		24		
	3/29/2010	0	20.3	0.53	100		20		
	4/13/2010	0.06	20.4	0.48	111		18		
	4/27/2010	0.08	20.5	0.51	102		29		

Table 4
SVE Point Field Data
Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin

Sample Location	Date	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	PID (ppm)	Methane (%)	Vacuum (inches of water)	FID	Comment
SVE #9	5/12/2010	0.06	20	0.59	100		23		
	5/26/2010	0.06	20.3	0.59	132		21		
	6/8/2010	0	20	0.68	66		22		
	6/24/2010	0	19.8	0.78	74		24		
	7/7/2010	0	19.9	0.82	40		22		
	7/20/2010	0	19.8	0.78	52		22		
	8/5/2010	0	19.8	0.77	18		17		
	8/16/2010	0	19.6	0.8	100		15		
	8/31/2010	0	19.8	0.82	55		16		
	9/14/2010	0	19.7	0.82	51		16		
	9/27/2010	0	19.5	0.84	29		18		
	10/12/2010	0	19.7	0.9	16		19		
	10/25/2010	0	19.8	0.85	18		19		
	11/9/2010	0	20.1	0.82	7		21		
	11/20/2010	0	19.8	0.8	2		25		
	12/16/2010	0	19.9	0.74	2.2		28		
	12/28/2010	0	20.1	0.71	2.3		27		
	1/12/2011	0	19.8	0.66	6		22		
	1/25/2011	0	20.2	0.66	11.5		23		
	2/8/2011	0	18.7	0.79	9.2		21		Before system changes
	2/8/2011	0	19.2	0.19	19.6				After system changes
	2/21/2011	0	20.3	0.6	10.7		22		
	3/8/2011	0	20.4	0.52	21.6		23		
	3/24/2011	0	20.5	0.42	6.2		23		
	4/4/2011	0	20.5	0.4	5.8		23		
	4/26/2011	0	20.4	0.35	1.6		16		
	5/10/2011	0	20.6	0.28	0.1		19		
	5/23/2011	0	20.5	0.32	0.1		14		
	6/7/2011	0	20.5	0.35	0		14		
	6/23/2011	0	20.1	0.41	0		14		
	7/7/2011	0	20.2	0.49	0.6		13		
	7/28/2011	0	20	0.6	1.5		13		
	8/15/2011	0	20.1	0.68	0		0		
	1/10/2012	0	17.8	1.44	1.44	0.4		6	Approximately 50% dilution. Restarted system at 11:30. Collected readings after 30 min of start up.
	1/10/2012	0	16.4	2.15	2.15	12.0		6	Collected 2 hrs after system start up
	1/16/2012	0	16.6	2.10	6.2			9	Collected after 1 hr of full operation
	1/26/2012	0	19.9	0.77	2.2			22	
	2/6/2012	0	19.9	0.77	1.6			22	
	2/20/2012	0	19.9	0.78	2.6			22	
	3/6/2012	0	20.0	0.73	22.1			21	
	3/26/2012	0	20.2	0.61	8.2			18	
	4/10/2012	0	20.4	0.56	3.3			17	
	4/23/2012	0	20.5	0.52	3.8			16	
	5/7/2012	0	20.5	0.49	5.3			14	
	5/22/2012	0	20.4	0.54	2.4			14	
	6/5/2012	0	19.7	0.71	8.9			10	
	6/19/2012	0	20.4	0.59	2.4			12	
	7/5/2012	0	20.2	0.62	1.0			12	
	7/18/2012	0	20.1	0.68	0.7			12	
	7/30/2012	0	20.0	0.73	1.3			12	
8/12/2012	0	19.9	0.75	1.8			12 (upon arrival) / 11 (after adjustments)		
8/28/2012	0	20.0	0.78	5.3			11		
9/11/2012	0	20.0	0.81	3.3			11		
9/25/2012	0	19.9	0.80	2.1			11		
10/16/2012	0	19.8	0.81	12.9			11		
10/30/2012	0	20.1	0.77	5.6			11		
11/12/2012	0	20.1	0.76	3.6			12		
12/4/2012	0	19.1	0.98	1.6			10	System shutdown upon departure.	
12/17/2012	0	20.3	0.67	1.1			18		
1/2/2013	0	20.2	0.62	1.2			19		
1/15/2013	0	20.2	0.70	1.7			19		
1/29/2013	0	19.7	0.71	2.2			19		
2/12/2013	0	20.1	0.75	4.7			19		
2/25/2013	0	20.2	0.68	1.4			17		
3/11/2013	0.0	20.0	0.81	2.1			17		
3/25/2013	0	20.1	0.81	4.9			17		
4/9/2013	0	20.3	0.74	7.7			21		
4/22/2013	0	20.5	0.59	1.0			8		
5/8/2013	0	20.3	0.47	0			20		
2/26/14 12:00 PM	0	4.1	6.70	1.1			7		
2/26/14 2:00 PM	0	4.4	6.90	3.6			6		
2/26/14 3:30 PM	0	5.2	5.30	12.1			6		
3/25/2014	1.35	19.1	1.20	11.1			-16		
4/16/2014	0	20.1	0.68	0			21		
5/15/2014	0	20.5	0.45	0			18		
6/9/2014	0	20.5	0.54	0			11		
6/11/14 12:00 PM	0	20.8	0.63	16			9V	Pilot study restart at 12:00.	
6/11/14 12:45 PM	0	20.6	0.46	19			26V	7d sparge with points open after 30 min	
6/11/14 1:45 PM	0	20.4	0.06	16			26	Final reading before departure.	
7/1/2014	0	19.8	0.91	2.8			12		
8/19/2014	0	19.6	1.20	0.4			12		
9/16/2014	0	19.6	1.22	1.1			22		
10/14/2014	0	20.2	0.83	0			30		
10/14/2014	0	20.0	0.85	0			30		
12/11/14 8:00 AM								CLOSED	
1/13/15 11:30 AM								CLOSED	
2/24/15 11:30 AM								CLOSED	
6/10/15 10:00 AM								System is off	
7/13/15 2:30 PM								System is off	
7/30/15 8:30 AM								System is off	
8/20/15 11:15 AM								System is off	
9/23/15 12:00 PM								System is off	
10/23/15 12:00 PM								System is off	
11/12/15 12:00 PM								System is off	
12/7/2015								System is off	
1/14/2016								System is off	
2/6/2008		100	14.4	2.2	199.4				
2/7/2008		100	15	2.6	60		30		
2/28/2008		100	16	2.6	97		29		
2/29/2008		100	16.5	2	47		30		
3/6/2008		96	17.2	2.2	130		31	36500	
3/12/2008		80	17.3	2	186		12	5.8%	
3/19/2008		70	19.7	1.7	132		11	14700	
3/26/2008		21	20.2	1	186		28	6850	
4/1/2008		26	19.7	1			29	10400	
4/8/2008		30	20.1	1.2	588		30	15400	
4/15/2008							38		
4/21/2008		15	20	1.3	659		39	5783	
4/28/2008		7	20.6	1.3	454		36	3707	
5/6/2008		7	20.6	0.5	442		35	6238	
5/22/2008		12	20.9	0.4	413		31	5025	
6/4/2008		9	20.3					2040	
6/27/2008		6	18	0.4	357			1899	
7/22/2008		14	20.2	0.6	446		10	NM	
7/23/2008							10		
7/30/2008		11	19.8	0.7	561		9	4140	
8/5/2008		19	19.7	0.8	536		10	4625	
8/12/2008		10	19.8	0.9	240		10	3822	
8/19/2008		10	20.2	0.9	445		10	2930	
8/27/2008		11	19.9	0.9	489		10	4640	
9/9/2008		0	20.9	0	2.5		10		
9/16/2008		0	18.2	0	98		9		
9/24/2008		0	20.3	1	187		10		

Table 4
SVE Point Field Data
Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin

Sample Location	Date	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	PID (ppm)	Methane (%)	Vacuum (inches of water)	FID	Comment
SVE #10	9/30/2008	0	20.3	0	245		10		
	10/6/2008	0	20.1	0.94	154		15		
	10/14/2008	0.06	20.1	1	128		10		
	10/21/2008	0.06	20.1	0.99	101		10		
	11/4/2008	0	20.3	0.74	189		12		
	11/11/2008	0.06	20.2	0.9	64		11.5		
	11/19/2008	0	20.1	0.78	34		12		
	12/4/2008	0.1	19.8	0.85	45		11		
	12/10/2008	0.12	20.2	0.71	55		11		
	1/2/2009	0.09	17.8	2.1	65		20		
	1/29/2009						24		
	1/27/2009	0.08	20.4	0.83	38		26		
	2/4/2009	0.07	20.3	0.78	63		31		
	2/17/2009	0.09	20.5	0.49	81		21		
	2/27/2009	0.06	20.3	0.62	40		25		
	3/4/2009	0.07	20.6	0.35	83.8		25		
	3/11/2009	0.06	20.7	0.36	84		28		
	3/17/2009	0.1	20.5	0.29	175		24		
	3/24/2009	0.07	20.4	0.34	178		29		
	3/31/2009	0	20.4	0.16	51		12		
	4/6/2009	0.07	20.3	0.35	133		26		
	4/13/2009	0.06	20.5	0.34	131		24		
	4/22/2009	0.06	20.4	0.34	108		22		
	4/29/2009	0.07	20.2	0.32	157		23		
	5/12/2009	0	20.4	0.32	104.2		11.5		
	5/19/2009	0	20.6	0.34	64		12		
	6/2/2009	0.08	20.6	0.21	155		11		
	6/10/2009	0.09	29.3	0.41	125		11		
	6/16/2009	0	29.4	0.42	109		11		
	6/24/2009	0.07	20.4	0.5	158		11		
	6/30/2009	0	20.4	0.38	116		8		
	7/8/2009	0.15	20.6	0.34	212		7.5		
	7/29/2009	0.11	20.8	0.36	158		8		
	8/6/2009	0.19	20.5	0.51	230		8		
	8/18/2009	0.18	20.3	0.64	24		8		
	8/11/2009	0.3	19.5	0.73	314		10		
	9/15/2009	0.21	20	0.95	355		10		
	9/29/2009	0.14	20.4	0.6	272		10		
	10/15/2009	0.15	20.4	0.56	171		11		
	10/28/2009	0.15	20.2	0.57	157		12		
	11/11/2009	0.12	20.5	0.5	177		12		
	12/1/2009	0.27	20.1	0.55	267		10		
	12/7/2009	0.12	20.5	0.56	181		17		
	12/22/2009	0.11	20.5	0.44	164		20		
	1/5/2010	0.1	20.6	0.37	155		21		
	1/19/2010	0.07	20.7	0.34	154		22		
	2/9/2010	0.09	20.6	0.3	161		22		
	2/16/2010	0.08	20.7	0.29	222		20		
	3/5/2010	0.07	20.7	0.31	196		23		
	3/16/2010	0.06	20.7	0.23	139		23		
	3/29/2010	0.06	20.6	0.2	132		20		
	4/13/2010	0.09	20.5	0.29	119		17		
	4/27/2010	0.07	20.6	0.18	132		28		
	5/12/2010	0.09	20.5	0.22	164		23		
	5/26/2010	0.07	20.7	0.23	149		20		
	6/8/2010	0.06	20.4	0.32	80		21		
	6/24/2010	0	20.4	0.35	105		23		
	7/7/2010	0	20.3	0.48	78		22		
	7/29/2010	0	20.2	0.52	72		21		
	8/5/2010	0	20.2	0.58	98		16		
	8/16/2010	0	19.9	0.67	128		15		
	8/31/2010	0	20.1	0.7	92		15		
	9/14/2010	0	20.1	0.69	103		16		
	9/27/2010	0.05	20	0.62	66		18		
	10/12/2010	0	20.4	0.97	41		18		
	10/25/2010	0	20.5	0.55	29		19		
	11/9/2010	0	20.5	0.43	10		20		
	11/30/2010	0	20.3	0.33	3.7		23		
	12/16/2010	0	20.3	0.27	6.7		26		
	12/28/2010	0	20.3	0.24	5.3		25		
	1/12/2011	0	20.1	0.03	12.5		22		
	1/25/2011	0	20.5	0.18	27		22		
	2/8/2011	0	19.1	0.2	29		23		Before system changes
	2/8/2011	0	19.2	0.18	24.8				After system changes
	2/21/2011	0	20.6	0.09	34.3		22		
	3/8/2011	0	20.6	0.1	45.7		21		
	3/24/2011	0	20.7	0.08	40.5		22		
	4/4/2011	0	20.7	0.07	14.5		21		
	4/26/2011	0	20.7	0.11	2.7		16		
	5/10/2011	0	20.7	0.17	0		18		
	5/23/2011	0	20.5	0.12	2		14		
	6/7/2011	0	20.5	0.16	1.4		14		
	6/23/2011	0	20.2	0.24	3.2		14		
	7/7/2011	0	20.3	0.31	7		10		
	7/28/2011	0	20.4	0.33	16.7		11		
	8/15/2011	0	20.3	0.51	3.2		0		
	1/10/2012	0	19.0	0.80	8.7		5		Approximately 50% dilution. Restarted system at 11:30. Collected readings after 30 min of start up.
	1/10/2012	0	18.5	1.02	22.4		6		Collected 2 hrs after system start up
	1/10/2012	0	18.4	1.20	10.3		7		Collected after 1 hr of full operation
	1/24/2012	0	20.1	0.60	4.3		20		
	2/6/2012	0	20.3	0.47	3.9		21		
	2/20/2012	0	20.4	0.42	4.1		21		
	3/6/2012	0	20.4	0.45	31.1		19		
	3/26/2012	0	20.5	0.32	14.7		17		
	4/10/2012	0	20.5	0.32	20.3		17		
	4/23/2012	0	20.6	0.28	27		15		
	5/7/2012	0	20.6	0.25	17.1		13		
	5/23/2012	0	20.4	0.26	9.2		13		
	6/5/2012	0	20.3	0.28	12.4		8		
	6/19/2012	0	20.5	0.39	8.0		10		
7/5/2012	0	20.3	0.40	4.0		11			
7/18/2012	0	20.2	0.51	3.1		11			
7/30/2012	0	20.2	0.56	8.3		11			
8/12/2012	0	20.1	0.63	6.2		12 (upon arrival) / 8 (after adjustments)			
8/29/2012	0	20.2	0.70	7.8		10			
9/11/2012	0	20.2	0.73	8.7		10			
9/25/2012	0	20.1	0.69	3.7		10			
10/16/2012	0	20.0	0.61	11.0		10			
10/30/2012	0	20.3	0.57	18		10			
11/12/2012	0	20.4	0.53	7.0		11		System shutdown upon departure.	
12/4/2012	0	19.8	0.64	2.9		9			
12/17/2012	0	20.5	0.49	3.6		13 (upon arrival) / 14 (after adjustments)			

Table 4
SVE Point Field Data
Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin

Sample Location	Date	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	PID (ppm)	Methane (%)	Vacuum (inches of water)	FID	Comment
	1/2/2013	0	20.4	0.44	3.3		19		
	1/15/2013	0	20.4	0.42	3.6		21		
	1/29/2013	0	20.0	0.49	4.9		21		
	2/12/2013	0	20.3	0.42	9.0		21		
	2/25/2013	0	20.5	0.37	2.7		16		
	3/12/2013	0.0	20.2	0.46	6.2		19		
	3/25/2013	0	20.3	0.46	9.2		21		
	4/9/2013	0	20.3	0.47	4.4		21		
	4/23/2013	0	20.4	0.39	3.0		12		
	5/9/2013	0	20.4	0.30	0		16		
	2/26/14 12:00 PM	0	12.6	3.60	0.9		10		
	2/26/14 2:00 PM	0	11.7	3.80	4.8		10		
	2/26/14 3:30 PM	0	10.6	4.40	11.7		10		
	3/25/2014	1.28	19.6	0.78	12.3		-19		
	4/16/2014	0	20.5	0.18	0		20		
	5/15/2014	0	20.6	0.21	0		16		
	6/9/2014	0	20.5	0.31	0		10		
	6/11/14 11:00 AM	0	20.5	0.29	124				Pilot start up SVE only. PID contaminated line.
	6/11/14 12:00 PM	0	20.5	0.28	15		20V		Pilot study restart at 12:00.
	6/11/14 12:45 PM	0	20.7	0.24	15		20V		7d surge with points open after 30 min
	6/11/14 1:45 PM	0	20.7	0.24	20		21		Final reading before departure.
	7/1/2014	0	20.3	0.58	1.5		14		
	8/19/2014	0	20.4	0.68	0.5		10		
	9/16/2014	0	20.2	0.72	1.7		18		
	10/14/2014	0	20.4	0.64	0		31		
	1/11/2014	0	20.3	0.61	0		30		
	12/11/14 8:00 AM	0	20.8	0.00	0		42		
	12/11/14 10:45 AM	0	20.6	0.56	0		43		
	1/13/15 11:30 AM	0	19.9	0.58	0		46		
	2/24/15 11:30 AM	0	20.2	0.65	0		38		
	6/10/15 10:00 AM								System is off
	7/13/15 2:30 PM								System is off
	7/30/15 8:30 AM								System is off
	8/20/15 11:15 AM								System is off
	9/23/15 12:00 PM								System is off
	10/22/15 12:00 PM								System is off
	11/12/15 12:00 PM								System is off
	12/7/2015								System is off
	1/14/2016								System is off
	2/6/2008	100	0	15.6	135.4				
	3/12/2008	100	15.8	5.1	161		11	>15%	
	3/19/2008	100	18.2	2.2	121		10	>20000	
	3/26/2008	68	19	1.8	148		27	57600	
	4/1/2008	56	19	1.4			29	42300	
	4/8/2008	47	19.4	1.4	1607		30	40100	
	4/15/2008						39		
	4/21/2008	20	19.5	1.1	1045		39	11800	
	4/28/2008	15	19.1	1.4	1325		36	10200	
	5/6/2008	10	18.8	1	709		34	7224	
	5/22/2008	5	18.6	1.8	634		31	4250	
	6/4/2008	10	18.6					3901	
	6/27/2008	11	16.5	1.2	856			3990	
	7/22/2008	10	15.6	3.2	592		9	NM	
	7/23/2008						9		
	7/30/2008	17	12.9	4.7	1454		9	6320	
	8/5/2008	31	11.8	5.5	1405		9	6500+ flame out, low O2	
	8/12/2008	19	15	3.9	496		9.5	9015	
	8/19/2008	25	15.1	4	145		10	7050	
	8/27/2008	10	9.2	7.3	728		9.5	NA	
	9/9/2008	0	20.7	1	1.2		9.5		
	9/16/2008	0	17.1	2	95		9.5		
	9/24/2008	0	17.6	1	175		9.5		
	9/30/2008	0	19.4	0	245		9.5		
	10/6/2008	0.8	14.3	4.25	83.5		15		
	10/14/2008	0	14.6	4.2	118		10		
	10/21/2008	0	14.7	4.1	111		10		
	11/4/2008	0	16.3	2.75	177		11.5		
	11/11/2008	0	15	3.95	70		11.5		
	11/19/2008	0	14.7	4.02	39		12.5		
	12/4/2008	0.21	4.1	7.7	51		11		
	12/10/2008	0.22	5.1	7.6	48		10		
	1/2/2009	0.18	6.2	9.4	55		20		
	1/20/2009						24		
	1/27/2009	0.06	17	2.95	50		26		
	2/4/2009	0.05	13.1	5	95		30		
	2/17/2009	0.08	11.7	5.4	80		19		
	2/27/2009	0.05	14.1	4.98	55		23		
	3/4/2009	0.06	16.6	3.05	71		23		
	3/11/2009	0.05	17.1	2.9	76		25		
	3/17/2009	0.07	15.9	3.3	134		24		
	3/24/2009	0.06	17.6	2.4	140		27		
	3/31/2009	0.01	19.6	0.86	35		11		
	4/8/2009	0.05	17.2	2.4	83		24		
	4/13/2009	0.00	17.8	2.3	88		23		
	4/22/2009	0.06	14.7	3.35	185		21		
	4/29/2009	0.00	17.7	2.2	94		23		
	5/12/2009	0.00	17	2.65	65		11		
	5/19/2009	0.00	11.1	5.9	58		13		
	6/2/2009	0.53	1.6	9.6	80		12		
	6/10/2009	0.10	14.8	3.8	142		11		
	6/16/2009	0.06	14.9	3.8	149		11.5		
	6/24/2009	0.06	14.2	4.5	173		11		
	6/30/2009	0.07	15.2	3.15	120		8		
	7/8/2009	0.25	2.8	9.99	226		8		
	7/20/2009	0.22	5.6	12.7	198		8		
	8/4/2009	0.25	14	5.1	305		8		
	8/18/2009	0.24	12.3	6.2	3.15		7		
	9/11/2009	0.47	1.7	9.99	346		10		
	9/15/2009	0.34	10.4	7.4	494		10		
	9/29/2009	0.17	11.4	6.5	346		10		
	10/15/2009	0.10	108	7.3	159		11		
	10/28/2009	0.14	10.1	7	174		12		
	11/11/2009	0.09	11.6	6.0	133		12		
	12/1/2009	0.29	6.5	9.18	190		11		
	12/7/2009	0.07	11.1	6.7	151		17		
	12/22/2009	0.12	8.3	8.5	212		20		
	1/5/2010	0.10	8.7	8.3	178		21		
	1/19/2010	0.06	8	9	137		22		
	2/2/2010	0.07	7.2	9.5	135		24		
	2/16/2010	0.07	8.5	8.5	165		20		
	3/2/2010	0.08	7.6	9.2	158		23		
	3/16/2010	0.00	11.1	4.1	104		23		
	3/29/2010	0.05	13.1	3.45	102		21		
	4/13/2010	0.07	13.8	3.25	70		18		
	4/27/2010	0.00	12.1	3.9	68		24		
	5/12/2010	0.06	16.8	2.1	100		22		
	5/26/2010	0.00	6.6	5.6	53		19		
	6/9/2010	0.00	18	1.68	60		23		

Table 4
SVE Point Field Data
Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin

Sample Location	Date	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	PID (ppm)	Methane (%)	Vacuum (inches of water)	FID	Comment
SVE RW1	6/24/2010	0.00	16.6	2.3	41		24		
	7/7/2010	0	17.2	2.15	38		23		
	7/20/2010	0	17.4	2	35		19		
	8/3/2010	0	17.7	1.96	33		15		
	8/16/2010	0	11.7	4	58		14		
	8/31/2010	0	16.4	2.2	49		14		
	9/14/2010	0	17	2.15	44		15		
	9/27/2010	0	15.6	2.4	31		18		
	10/12/2010	0	15.9	2.58	19.9		19		
	10/25/2010	0	14.5	3.05	19		20		
	11/9/2010	0	16.2	2.4	8		22		
	11/30/2010	0	13.5	3.3	4		23		
	12/16/2010	0	14.7	2.95	5.2		27		
	12/28/2010	0	16.2	2.55	2.2		26		
	1/12/2011	0.08	2.7	6	10.4		20		
	1/25/2011	0	17.4	1.96	14.6		23		
	2/8/2011	0	16.2	2.05	19.1		22		
	2/21/2011	0	17.7	2.35	21.2		22		
	3/8/2011	0	17.8	2.3	23.1		20		
	3/23/2011	0	18.3	1.68	23.4		22		
	4/8/2011	0	18.2	1.68	12.5		21		
	4/26/2011	0	18	1.52	1.9		16		
	5/10/2011	0	19.1	1.16	0		18		
	5/23/2011	0	18.9	1.26	1		14		
	6/7/2011	0	19.1	1.4	0.4		12		
	6/23/2011	0	18.6	1.6	1		12		
	7/7/2011	0	18.6	1.72	2.9		10		
	7/28/2011	0	18.6	1.9	8		11		
	8/15/2011	0	18	2.42	1.1		0		
	1/10/2012	0	1.2	9.99	9.2		5		Approximately 50% dilution. Restarted system at 11:30. Collected readings after 30 min of start up.
	1/10/2012	0	1.5	9.99	24.0		7		Collected 2 hrs after system start up
1/10/2012	0	1.6	9.99	11.1		7		Collected after 1 hr of full operation	
1/24/2012	0	16.3	3.00	5.1		22			
2/6/2012	0	16.6	2.85	5.0		20			
2/20/2012	0	17.4	2.55	5.0		20			
3/6/2012	0	17.7	1.86	23.4		19			
3/26/2012	0	19.3	0.97	11.0		17			
4/10/2012	0	19.5	0.95	16.7		16			
4/23/2012	0	19.5	0.99	17.6		15			
5/7/2012	0	19.4	1.04	13.7		13			
5/22/2012	0	19.2	1.12	6.8		13			
6/5/2012	0	11.7	2.90	11.8		10			
6/19/2012	0	19.3	1.20	7.3		11			
7/5/2012	0	18.5	1.40	4.3		11			
7/18/2012	0	18.8	1.42	4.2		11			
7/30/2012	0	18.7	1.53	6.3		11			
8/12/2012	0	18.4	1.66	7.0		11 (upon arrival / 9 (after adjustments)			
8/29/2012	0	18.6	1.74	9.8		10			
9/11/2012	0	18.5	1.72	9.2		10			
9/25/2012	0	18.5	1.60	19		10			
10/16/2012	0	18.4	1.46	13.2		10			
10/30/2012	0	18.8	1.46	0		10			
11/12/2012	0	18.8	1.44	7.9		11		System shutdown upon departure.	
12/4/2012	0.16	1.8	5.40	6.2		8			
12/17/2012	0	18.0	1.98	5.2		18			
1/2/2013	0	17.9	1.76	4.7		18			
1/15/2013	0	18.3	1.62	4.2		19			
1/29/2013	0	17.8	1.68	8.1		18			
2/12/2013	0	18.4	1.62	9.9		19			
2/25/2013	0	18.6	1.58	3.7		15			
3/12/2013	0.0	18.7	1.64	6.8		15			
3/25/2013	0	18.7	1.68	9.4		15			
4/9/2013	0	19.6	1.02	3.2		15			
4/23/2013	0	19.9	0.75	4.3		7			
5/9/2013	0	19.7	0.70	0		19			
2/26/14 12:00 PM	0.22	2.9	9.20	5.0		8			
2/26/14 2:00 PM	0.26	3.2	9.08	12.2		7			
2/26/14 3:30 PM	0.27	3.7	9.50	16.4		7			
3/25/2014	1.15	18.5	1.66	12.1		-23			
4/16/2014	0	19.2	1.20	1.2		25			
5/15/2014	0	19.3	1.16	0		23			
6/9/2014	0	19.0	1.50	0		15			
7/17/2014								OFF	
8/19/2014								OFF	
9/16/2014								OFF	
10/14/2014								OFF	
11/13/2014								OFF	
12/11/14 10:45 AM								CLOSED	
1/13/15 11:30 AM								CLOSED	
2/2/15 11:30 AM								CLOSED	
6/10/15 10:00 AM								System is off	
7/13/15 2:30 PM								System is off	
7/30/15 8:30 AM								System is off	
8/20/15 11:15 AM								System is off	
9/23/15 12:00 PM								System is off	
10/22/15 12:00 PM								System is off	
11/12/15 12:00 PM								System is off	
12/7/2015								System is off	
1/14/2016								System is off	
2/6/2008	100	0	18.9	149					
3/12/2008	100	14.8	4.6	200		12		>15%	
3/19/2008	100	18.8	2.2	98		11		>70000	
3/26/2008	100	18.6	1.8			28		100400	
4/1/2008	68	19.1	1.1			30		69600	
4/8/2008	72	19.6	0.9	1383		31		92700	
4/15/2008									
4/21/2008	39	19.2	1	1453		40		27500	
4/28/2008	29	19.2	1.2	1714		37		21800	
5/6/2008	20	18.5	1	927		35		16800	
5/22/2008	16	18.2	1.9	964		32		9600	
6/4/2008	20	18.6						9970	
6/27/2008	19	16.9	1.1	1350				6800	
7/23/2008	21	15.6	2.9	982		10		NM	
7/23/2008									
7/30/2008	19	16.9	2.4	1485		10		8560	
8/5/2008	29	16.3	2.9	1375		10		10100	
8/12/2008	17	18.2	2	490		10		7965	
8/19/2008	22	18.3	2.1	95		10		6860	
8/27/2008	10	9.2	7.3	728		9.5		4860	
9/9/2008	0	20.9	0			10			
9/16/2008	0	12.6	4	89		9.5			
9/24/2008	0	18.5	3	263		10			
9/30/2008	0	17.9	2	400		10			
10/6/2008	0	19.5	1.42	173.8		15			
10/14/2008	0	17.2	2.7	178		10			
10/21/2008	0	17.3	2.6	98		10			
11/4/2008	0	16.8	2.75	187		12			

Table 4
SVE Point Field Data
Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin

Sample Location	Date	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	PID (ppm)	Methane (%)	Vacuum (inches of water)	FID	Comment
SVE RW3	11/11/2008	0	15.9	3.3	78		12		
	11/19/2008	0	14.7	4.02	39		12		
	12/4/2008	0.2	4.2	8.6	41		11.5		
	12/10/2008	0.16	6.7	7.8	51		10		
	1/2/2009	0.11	17.4	2.35	72		20		
	1/20/2009						24		
	1/27/2009	0.05	16.1	3.1	46		26		
	2/4/2009	0.05	16.4	3	80		30		
	2/17/2009	0.11	8.2	6.6	74		23		
	2/27/2009	0.05	15.9	5.69	46		27		
	3/4/2009	0.07	16.1	3.2	72.2		27		
	3/11/2009	0.06	17.3	1.68	88		30		
	3/17/2009	0.14	10.6	5.5	275		29		
	3/24/2009	0.06	17.5	2.45	139		31		
	3/31/2009	0	20.6	0.06	25		14		
	4/8/2009	0.08	15.6	3.1	180		29		
	4/13/2009	0.00	16.6	2.75	135		27		
	4/23/2009	0.08	12.2	4.85	205		25		
	4/29/2009	0.07	15	3.45	158		27		
	5/12/2009	0.00	14.4	4.08	120		13		
	5/19/2009	0.00	15.5	3.55	59		13		
	6/2/2009	0.32	2	9.99	10.5		9		
	6/10/2009	0.07	14.5	4.15	144		9		
	6/16/2009	0.05	14.5	4.4	150		8.5		
	6/24/2009	0.05	14.3	4.65	157		9		
	6/30/2009	0.00	14.4	4.3	100		5.5		
	7/8/2009	0.35	1.2	9.99	181		5		
	7/20/2009	0.22	16.3	3.1	188		5		
	8/4/2009	0.15	12.8	6	194		6		
	8/18/2009	0.22	12.1	6.6	2.53		6		
	9/11/2009	0.37	1.8	9.99	300		10		
	9/15/2009	0.19	12.9	6.5	352		8		
	9/29/2009	0.10	13.8	5.2	214		8		
	10/15/2009	0.11	15.4	4.3	154		8		
	10/28/2009	0.09	14.3	4.62	153		10		
	11/11/2009	0.07	15.9	3.5	120		9		
	12/1/2009	0.90	5.2	7	153		8		
	12/7/2009	0.08	14	5.1	160		14		
	12/22/2009	0.08	14.7	4.45	156		17		
	1/5/2010	0.08	14.8	4.3	149		20		
	1/19/2010	0.05	15.3	3.95	147		21		
	2/5/2010	0.06	15.6	3.85	131		20		
	2/16/2010	0.00	15.1	4.15	155		18		
	3/5/2010	0.05	14.9	4.21	146		20		
	3/16/2010	0.00	16.7	2.2	124		21		
	3/29/2010	0.00	16.2	2.55	71		17		
	4/13/2010	0.00	14.9	2.85	57		15		
	4/27/2010	0.00	16.7	2.15	65		23		
	5/12/2010	0.00	12.5	3.7	64		21		
	5/26/2010	0.00	6.6	5.6	53		19		
	6/8/2010	0.00	13.7	3.4	36		20		
	6/24/2010	0.00	13.5	3.6	34		17		
	7/7/2010	0	14.2	3.4	23		20		
	7/20/2010	0	16	2.65	21		20		
	8/5/2010	0	16.6	2.44	20		14		
	8/16/2010	0	5.3	5.8	34		13		
	8/31/2010	0	17.1	2.05	22		13		
	9/14/2010	0	17.3	1.96	29		14		
	9/27/2010	0	15.7	2.5	20		17		
	10/12/2010	0	16.2	2.45	12		17		
	10/25/2010	0	15.3	2.65	13		18		
	11/9/2010	0	16.1	2.65	5.2		19		
	11/30/2010	0	15	2.65	2.7		23		
	12/16/2010	0	17.1	1.82	2.7		25		
	12/28/2010	0	17.1	1.84	4.3		28		
	1/12/2011	0	19.5	4.25	5.6		19		
	1/25/2011	0	19	1.04	8.7		20		
	2/8/2011	0.1	17.6	1.14	13.3		20		
	2/21/2011	0	18.7	1.52	11.9		20		
	3/8/2011	0	18.7	1.52	14.3		19		
	2/24/2011	0	19.1	1.24	15.2		21		
	4/4/2011	0	18.7	1.46	6.2		20		
	4/26/2011	0	10.8	6	1.6		14		
	5/10/2011	0	19.2	1.1	0		17		
	5/23/2011	0	15.8	2.75	0.5		13		
	6/7/2011	0	19.3	1.18	0		12		
	6/23/2011	0	18.9	1.3	1		12		
	7/7/2011	0	18.9	1.4	1.6		10		
	7/28/2011	0	19.2	1.32	5.5		8		
	8/15/2011	0	19.3	1.22	0.3		0		
	1/10/2012	0.10	1.1	9.99	10.6		2		Approximately 50% dilution. Restarted system at 11:30. Collected readings after 30 min of start up.
	1/10/2012	0	1.3	9.99	24.6		2		Collected 2 hrs after system start up.
	1/10/2012	0	1.3	9.99	17.0		4		Collected after 1 hr of full operation.
	1/24/2012	0	19.0	1.28	4.9		18		
	2/6/2012	0	19.1	1.14	5.0		19		
	2/20/2012	0	19.4	1.02	4.9		19		
	3/6/2012	0	19.4	0.89	22.2		18		
	3/26/2012	0	20.2	0.45	8.6		15		
	4/10/2012	0	20.3	0.41	13.2		15		
	4/23/2012	0	20.3	0.44	13.5		13		
	5/7/2012	0	20.2	0.53	9.2		12		
	5/23/2012	0	20.2	0.52	6.1		10		
	6/5/2012	0	11.8	3.35	9.3		7		
	6/19/2012	0	20.2	0.61	7.2		9		
	7/3/2012	0	20.0	0.65	2.9		9		
	7/18/2012	0	20.1	0.68	3.9		9		
	7/30/2012	0	19.9	0.78	4.7		9		
	8/12/2012	0	20.0	0.68	6.1		9 (upon arrival) / 7 (after adjustments)		
	8/29/2012	0	20.0	0.76	6.8		8		
	9/11/2012	0	19.9	0.78	7.2		8		
9/25/2012	0	19.8	0.76	5.0		8			
10/16/2012	0	19.6	0.70	6.9		8			
10/30/2012	0	19.8	0.71	0.2		8			
11/12/2012	0	19.9	0.70	7.0		8.5		System shutdown upon departure.	
12/4/2012	0.15	4.2	6.30	6.5		5 (upon arrival) / 6 (after adjustments)			
12/17/2012	0	19.8	0.77	4.6		12 (upon arrival) / 13 (after adjustments)			
1/2/2013	0	19.8	0.66	4.3		13			
1/15/2013	0	19.9	0.63	4.7		15			
1/29/2013	0	19.5	0.61	6.6		15			
2/12/2013	0	19.9	0.60	8.0		15			
2/25/2013	0	19.9	0.61	3.4		16			
3/12/2013	0.0	19.8	0.72	5.8		16			

Table 4
 SVE Point Field Data
 Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
 Rusk County, Wisconsin

Sample Location	Date	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	PID (ppm)	Methane (%)	Vacuum (inches of water)	FID	Comment
	3/25/2013	0	19.9	0.70	7.9		16 (upon arrival) / 17 (after adjustments)		
	4/9/2013	0	19.8	0.82	4.5		19		
	4/22/2013	0	20.3	0.53	3.9		6		
	5/9/2013	0	20.1	0.48	0		15		System Turned Off
	2/26/14 12:00 PM	0.19	0.8	9.99	20.6		11		
	2/26/14 2:00 PM	0.12	0.8	9.99	27.5		11		
	2/26/14 3:30 PM	0.93	1.5	9.99	38.0		11		
	3/25/2014	1.05	19.4	0.90	12.9		-26		
	4/16/2014	0	20.0	0.56	2.2		25		
	5/15/2014	0	20.3	0.45	0		18		
	6/9/2014	0	20.2	0.56	0		14		
	6/11/14 12:00 PM	0	20.0	0.61	17		28V		Pilot study restart at 12:00.
	6/11/14 12:45 PM	0	20.0	0.62	17		30V		7d spurge with points open after 30 min.
	6/11/14 1:45 PM	0	20.0	0.62	18		30V		Final reading before departure.
	7/17/2014	0	19.0	1.46	1.6		-26		
	8/19/2014	0	18.5	1.24	0.3		25		
	9/16/2014	0	18.6	1.68	1.5		31		
	10/14/2014	0	19.5	1.18	1.1		31		
	11/13/2014	0	20.1	0.54	0		30		
	12/11/14 10:45 AM								CLOSED
	1/13/15 11:30 AM								CLOSED
	2/24/15 11:30 AM								CLOSED
	6/10/15 10:00 AM								System is off
	7/13/15 2:30 PM								System is off
	7/30/15 8:30 AM								System is off
	8/20/15 11:15 AM								System is off
	9/23/15 12:00 PM								System is off
	10/22/15 12:00 PM								System is off
	11/12/15 12:00 PM								System is off
	12/7/2015								System is off

nm = Not measured

Table 5
SVE Total Emissions Field Readings
Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin

Source	Date	Time	Operational Timer	LEL	Oxygen	Carbon	PID	Methane	FID	Vac	Pressure	Airflow
				%	%	Dioxide %	(ppm)	%	(PSI/inches H ₂ O)	(inches)	(SCFM)	
SVE Pretreatment	01/17/08	na		10	18.9	0.30	26.3				20	na
SVE Pretreatment	01/17/08	1550	8.4	15	19.2	0.30	615				19	
SVE Pretreatment	01/18/08	1600	30.6	8	19	0.30	220			40	18	175
SVE Pretreatment	01/19/08	1035	49.6	12	19.5	0.30	348	7.0		40	18	175
SVE Pretreatment	01/19/08	1335	52.3	6	19.5	0.30	175	3.2		40	18	175
SVE Pretreatment	01/20/08	955	72.6	5	20.3	0.30	139	2.6		40	18	175
SVE Pretreatment	01/20/08	1230	75.1	7	19.7	0.30	140	3.2		40	18	175
SVE Pretreatment	01/23/08	1230	147.5	9	20.5	0.30	164	2.0		40	18	175
SVE Pretreatment	01/24/08	800	167.2	22	19.5	0.40	380	14.5		35	22.5	102
SVE Pretreatment	01/30/08	1230	206.5									
SVE Pretreatment	01/31/08	700	223.1	10	19.6	0.30	1150			35	22	191
SVE Pretreatment	02/06/08	1015	370.3	12	20.7	0.20	52			40	40	65
SVE Pretreatment (re-start)	02/27/08	1100										
SVE Pretreatment	02/27/08	1500	480.3	100	17	2.10	90			30	25	
SVE Pretreatment	02/28/08	1630	494.4	100	14.6	3.50	80			32	30	50
SVE Pretreatment	02/29/08	1000	511.9	100	15.2	3.50	87			30	27	50
SVE Pretreatment	03/06/08	830	654.4	100	14.7	4.40	55	75000		34		144
SVE Pretreatment	03/12/08	1430	540.1	100	16	3.40	132	11%				380
SVE Pretreatment	03/19/08	1100	695.1	92	19.2	1.70	172	22600				380
SVE Pretreatment	03/26/08	930	861.9	74	19.1	1.40	171	37200			13	358
SVE Pretreatment	04/01/08	1100	1006.8	48	19.2	1.10		25500				384
SVE Pretreatment	04/08/08	1100	1126	45	19.5	1.30	1254	32700				384
SVE Pretreatment	04/15/08	900	1290	31	19.5	1.30	1239	20400				384
SVE Pretreatment	04/21/08	1100	1437.8	24	19.5	0.10	1174	13400				350
SVE Pretreatment	04/28/08	1200	1603.5	19	19.7	1.10	1161	11100	11	11		360
SVE Pretreatment	05/06/08	1050	1749.3	17	19.5	0.80	979	12600				384
SVE Pretreatment	05/14/08	1100	1984.7									349
SVE Pretreatment	05/22/08	1000	2054.3	17	19.4	1.10	962	7700	32			384
SVE Pretreatment	06/04/08	1000	2281.1	15	19.3			6875				384
SVE Pretreatment	06/27/08	1000	2659.4	11	17.3	0.90	960	4801				384
SVE Pretreatment	07/22/08	930	3055.5	14	17.9	1.90	715	NM				371
SVE Pretreatment	07/30/08	1000	3216.7	7	18.3	1.60	635	2355				415
SVE Pretreatment	08/05/08	1000	3315.7	12	18	0.20	630	3075				415
SVE Pretreatment	08/12/08	930	3483.1	8	18.8	1.70	279	2604				415
SVE Pretreatment	08/19/08	1000	3650.5	7	18.8	1.80	525	2089				415
SVE Pretreatment	08/27/08	945	3672.8	7	17.4	2.30	571	2830				415
SVE Pretreatment	09/09/08	1130	3934.9	0	18.6	0.00	104					415
SVE Pretreatment	09/16/08	1130	3987.9	0	18.3	1.00	752					458
SVE Pretreatment	09/24/08	1130	4178.2	0	19.3	2.00	495					415
SVE Pretreatment	09/30/08	1230	4323.1	0	19.3	1.00	462					445
SVE Pretreatment	10/06/08	1230	4466.51	0	18.8	1.72	89			9		415
SVE Pretreatment	10/14/08	1145	4655.7	0	18.9	1.80	240			9		454
SVE Pretreatment	10/21/08	1145	4800.8	0.07	19	1.72	72					471
SVE Pretreatment	11/04/08	830	5061.2	0	19.2	1.48	105					489
SVE Pretreatment	11/11/08	1200	5232.9	0.05	19	1.62	106					415
SVE Pretreatment	11/19/08	1115	5424.2	0.05	19.3	0.94	30			11		415
SVE Pretreatment	12/04/08	1100	5426.3	0.18	17.6	2.00	254			17		415
SVE Pretreatment	12/10/08	1130	5441.8	0.13	17.6	2.00	206			10		
SVE Pretreatment	12/26/08	1030	5468							25		349
SVE Pretreatment	01/02/09	1015	5471.8	15	16	1.42	211					349
SVE Pretreatment	01/09/09	1015										
SVE Pretreatment	01/20/09	1225	5652.6	0.11	19.1	1.66	165			27		445
SVE Pretreatment	01/27/09	1120	5819.5	0.08	19.2	1.50	143			26		401
SVE Pretreatment	02/04/09	1030	6010.7	0.07	18.3	1.94	230					371
SVE Pretreatment	02/11/09		6155.4									
SVE Pretreatment	02/17/09	1030	6155.9	0.12	17.1	2.45	222			25		384
SVE Pretreatment	02/27/09	1130	6396	0.1	17.1	2.46	160			28		384
SVE Pretreatment	03/04/09	1230	6517	0.07	19.3	1.32	255					384
SVE Pretreatment	03/11/09	1215	6684.1	0.06	19.2	1.42	353			30	10	392
SVE Pretreatment	03/17/09	1030	6759.5	0.14	17.7	2.10	438			29	12	370
SVE Pretreatment	03/24/09	1130	6927	0.09	19.1	1.40	407			32	9	392
SVE Pretreatment	03/31/09	1040	7094.4	0.03	19.1	1.29	130			15	15	415
SVE Pretreatment	04/08/09	840	7284.6	0.08	19.1	1.22	355			29	11	384
SVE Pretreatment	04/13/09	1100	7406.4	0.06	19.3	1.22	330			27	12	384
SVE Pretreatment	04/22/09	1045	7576.3	0.1	18	1.72	350			25	12	384
SVE Pretreatment	04/29/09	845	7761.7	0.06	19.1	1.22	305			27	12	384
SVE Pretreatment	05/12/09	1030	8075.2	0	19.6	1.06	196			15	16	
SVE Pretreatment	01/10/12	1030	25737.4	0	12.5	5.10	8.5			15		
SVE Pretreatment	01/10/12	130	25739.2	0	12.8	4.50	19.4			14		
SVE Effluent	05/19/09	800	8241.1	0	19.2	1.38	190			15	14	414
SVE Effluent	06/03/09	800	8264.9	0.11	17.2	2.05	285			13	13	
SVE Effluent	06/10/09	1120	8434.5	0.08	18.9	1.48	250			13	13	
SVE Effluent	06/16/09	1145	8602.8	0.07	18.9	1.56	252			12	13	
SVE Effluent	06/24/09	1045	8765	0.07	18.9	1.66	248			13	13	
SVE Effluent	06/30/09	930	8902.9	0.05	19.4	1.28	201			8	13	350
SVE Effluent	07/08/09	1239	8952.7	0.16	18.7	1.52	269			8	13	
SVE Effluent	07/20/09	1110	9237.3	0.12	19.4	1.40	247			8	13	350
SVE Effluent	08/04/09	1100	9597.2	0.14	19.2	1.54	223			8	13	
SVE Effluent	08/18/09	1200	9812.4	0.14	19	1.76	273			8	13	350
SVE Effluent	09/11/09	1100	n/c	0.25	17.1	2.75	375			10	13	
SVE Effluent	09/15/09	1130	10291.6	0.19	18.4	2.35	392			10	13	
SVE Effluent	09/29/09	1130	10624.4	0.1	18.7	1.98	222			11	13	442
SVE Effluent (AS System off)	09/30/09	1305	6	17.9	1.80			1.0	1580			
SVE Effluent (AS System on)	09/30/09	1446	10651	5	17.9	1.80		1.3	1720			469
SVE Effluent	10/15/09	1020	11007.2	0.1	18.9	1.82	165			11	13.5	
SVE Effluent	10/28/09	1100	11319.9	0.1	18.8	1.66	172			12	14	
SVE Effluent	11/11/09	800	11653.9	0.08	19.1	1.54	155			13	13	
SVE Effluent	12/01/09	1100	11657.8	0.17	17.8	2.15	270			11	13	
SVE Effluent	12/07/09	1100	11800.2	0.08	19.2	1.54	181			18	13	
SVE Effluent	12/22/09	1100	12160.2	0.07	19.2	1.52	184			20	12	
SVE Effluent	01/05/10		12495.5	0.07	19.2	1.42	141			24	13	
SVE Effluent	01/19/10	1100	12832.1	0	19	1.48	145			24	13	
SVE Effluent	02/03/10	1200	13193.2	0.06	18.9	1.48	240			26	13	
SVE Effluent	02/16/10	1130	13504.5	0.06	19.2	1.36	237			22	12	
SVE Effluent	03/03/10	830	13861.9	0.06	19	1.42	244			25	12	
SVE Effluent	03/16/10	1130	14175.3	0	19.6	0.93	124			24	12	
SVE Effluent	03/29/10	1100	14487.1	0	19.6	0.85	85			22	11	
SVE Effluent	04/13/10	1145	14847.7	0	19.5	0.85	74			18	12	
SVE Effluent	04/27/10	1130	15182.4	0.07	19.8	0.68	206			30	10	
SVE Effluent	05/12/10	1045	15541.1	0.05	19.3	0.85	108			24	12	
SVE Effluent	05/26/10	1100	15846.3	0	19	1.12	92			29	13	
SVE Effluent	06/08/10	930	16146.6	0	19.3	0.97	59			24	12	

Table 5
SVE Total Emissions Field Readings
Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin

Source	Date	Time	Operational Timer	LEL	Oxygen	Carbon	PID	Methane	FID	Vac	Pressure	Airflow
				%	%	Dioxide %	(ppm)	%		(PSI/inches H ₂ O)	(inches)	(SCFM)
SVE Effluent	06/24/10	1030	16524.3	0	19.2	1.04	41			24	12	
SVE Effluent	07/07/10	1200	16819.2	0	19.3	1.06	40			24	12	
SVE Effluent	07/20/10	1110	17109.6	0	19.2	1.10	27.2			23	12	
SVE Effluent	08/03/10	1045	17430.1	0	19.1	1.20	105			22	12	
SVE Effluent	08/16/10	1130	17647.9	0	17.8	1.66	56			16	12	
SVE Effluent	08/31/10	1130	17988.2	0	19	1.30	40			16	13	
SVE Effluent	09/14/10	1200	18320.4	0	19.1	1.28	84			17	12	
SVE Effluent	09/27/10	1130	18631.9	0	19.1	1.14	63			19	11	
SVE Effluent	10/12/10	1130	18992	0	19.3	1.14	17.3			20	11	
SVE Effluent	10/25/10	1100	19303.6	0	19.4	1.08	50			20	11	
SVE Effluent	11/09/10	1200	19665.4	0	19.8	0.93	18			22	11	
SVE Effluent	11/30/10	1130	20169	0	19.4	0.87	13.8			26	11	
SVE Effluent	12/16/10	1100	20552.5	0	19.4	0.83	10			29	11	
SVE Effluent	12/28/10	1130	20817.4	0	19.5	0.82	8.8			30	10	
SVE Effluent	01/12/11	1305	21038.3	0	18.2	1.22	17			25	13	
SVE Effluent	01/25/11	1100	21348.2	0	19.6	0.81	24.9			24	12	
SVE Effluent	02/08/11	1045	21684.5	0	18.4	0.76	34.2			23	11	
SVE Effluent	02/21/11	1200	21997.2	0	19.7	0.83	26.3			24	12	
SVE Effluent	03/08/11	1115	22356.4	0	20	0.82	32.9			24	12	
SVE Effluent	03/24/11	1100	22739.3	0	19.9	0.69	22.8			25	12	
SVE Effluent	04/04/11	1100	23003.3	0	19.9	0.68	15.6			25	11	
SVE Effluent	04/26/11	1115	23267.7	0	19.7	0.09	3.1			16	12.5	
SVE Effluent	05/10/11	1430	23605.4	0	20	0.62	1.7			70	12	
SVE Effluent	05/23/11	1030	23890.3	0	19.8	0.75	1.6			16	12	
SVE Effluent	06/07/11	1100	24240	0	20	0.70	0.1			15	13	
SVE Effluent	06/23/11	1100	24613.9	0	19.5	0.75	2.4			15	13	
SVE Effluent	07/07/11	1040	24905.3	0	19.6	0.92	3.3			13	13	
SVE Effluent	07/28/11	1030	25372.2	0	19.4	1.12	5.7			15	13	
SVE Effluent	08/15/11	1130	25732.4	0	19.5	1.22	1.5			0		
SVE Effluent	01/10/12	1030	25737.4	0	14.8	3.60	7.8			7		
SVE Effluent	01/10/12	130	25739.2	0	14.9	3.50	16.2			8		
SVE Effluent	01/10/12	315	25740.7	0	14.1	4.70	14.8			10	14	
SVE Effluent	01/24/12	800	26093.9	0	19.8	0.86	4.3			25	12	
SVE Effluent	02/06/12	1100	26384.9	0	19.8	0.85	3.4			24	12	
SVE Effluent	02/20/12	1100	26721.1	0	19.9	0.80	4.8			25	12	
SVE Effluent	03/06/12	1115	27080.4	0	20.0	0.70	39.8			24	12	
SVE Effluent	03/26/12	1100	27080.4	0	20.2	0.58	17.8			18	13	
SVE Effluent	04/10/12	1100	27917.1	0	20.1	0.69	18.5			20	12	
SVE Effluent	04/23/12	1100	28228.8	0	20.1	0.70	18.3			17	12.5	
SVE Effluent	05/07/12	1100	28563.5	0	20.0	0.71	15.3			16	12	
SVE Effluent	05/22/12	1100	28923.2	0	19.9	0.74	16.1			16	13	
SVE Effluent	06/05/12	1130	28962.7	0	18.4	1.14	7.2			13	14	
SVE Effluent	06/19/12	1200	29291	0	20.0	0.80	12			13	12	
SVE Effluent	07/03/12	1040	29608.8	0	19.7	0.96	11.1			14	13	
SVE Effluent	07/18/12	800	29942.9	0	19.6	0.98	10.6			13	14	
SVE Effluent	07/30/12	1000	30224.2	0	19.5	1.08	10.3			13	13	
SVE Effluent	08/12/12	145	30524.6	0	19.5	1.04	14.3			13	13	
SVE Effluent	08/29/12	1200	30923.1	0	19.6	1.18	20.3			12	13	
SVE Effluent	09/11/12	1130	31227.5	0	19.6	1.18	17.2			12	13	
SVE Effluent	09/25/12	330	31566	0	19.6	1.06	16.1			13	13	
SVE Effluent	10/16/12	830	32064.5	0	19.5	1.00	20.5			12	13	
SVE Effluent	10/30/12	840	32400.7	0	19.8	0.97	16.4			12	13	
SVE Effluent	11/12/12	1130	32716.5	0	19.8	0.91	15.5			14	13	
SVE Effluent	12/04/12	1140	32718.2	0	17.4	1.80	14.6			12	13	
SVE Effluent	12/17/12	1145	33025.6	0	20.0	0.89	16.5			21	12	
SVE Effluent	01/02/13	1150	33409.5	0	19.9	0.81	16.8			26	11	
SVE Effluent	01/15/13	830	33718.4	0	20.0	0.72	16			26	11	
SVE Effluent	01/29/13	830	34054.2	0	19.6	0.74	15.5			25	11	
SVE Effluent	02/12/13	1145	34393.4	0	20.0	0.73	14.5			24	11	
SVE Effluent	02/25/13	1200	34705.4	0	20.1	0.69	16			22	11	
SVE Effluent	03/12/13	1130	35063.1	0.0	19.9	0.79	15.3			27	12	
SVE Effluent	03/25/13	1200	35375.5	0	20.0	0.79	18			26	12	
SVE Effluent	04/09/13	1145	35735.4	0	20.2	0.71	4.2			26	14	
SVE Effluent	04/22/13	1130	36044.2	0	20.2	0.60	5.5			23	11	
SVE Effluent	05/09/13	1230	36427.5	0	20.0	0.59	1.7			22	12	
SVE Effluent	02/26/14	1200	--	0.17	11.3	4.65	13.2			14	23	
SVE Effluent	02/26/14	200	--	0.13	11.6	3.90	17.2			15	24	
SVE Effluent	02/26/14	330	36431.7	0.18	8.8	5.10	26.2			20	23	
SVE Effluent	03/25/14	1225	37076.0	0.0	19.7	0.96	25.0			30	23	
SVE Effluent	04/16/14	1200	37601.8	0	20.1	0.68	5.8			28	23	
SVE Effluent	05/15/14	1145	38294.5	0	20.2	0.59	0			25	23	
SVE Effluent	06/09/14	1230	38884.5	0	20.2	0.61	0			7	24	
SVE Effluent	06/11/14	1345	389.28	0	18.6	0.66	4.6			34	21	
SVE Effluent	07/17/14	830	39521.4	0	20.0	0.78	0.1			30	22	
SVE Effluent	08/19/14	1500	40315.9	0	19.7	1.00	0.2			30	26	
SVE Effluent	09/16/14	1100	40919.6	0	19.7	1.06	0.3			36	20	
SVE Effluent	10/14/14	1130	41590.8	0	19.9	0.98	0			35	20	
SVE Effluent	11/13/14	1230	42313.0	0	20.0	0.82	0			34	20	
SVE Effluent	12/11/14	800	42977.3	0	20.4	0.50	0			50	18	
SVE Effluent	12/11/14	1045	42979.6	0	20.5	0.58	0			48	18	
SVE Effluent	01/13/15	1130	43768.5	0	20.0	0.60	0			54	17	
SVE Effluent	02/24/15	1130	44774.5	0	20.5	0.50	0			45	17	
SVE Effluent	06/10/15	1000	47280.9									
SVE Effluent	07/13/15	230	47448.7									
SVE Effluent	07/30/15	830	47449.1									
SVE Effluent	08/20/15	1115	47930.0									
SVE Effluent	09/23/15	1200	48763.0									
SVE Effluent	10/22/15	1200	49458.2									
SVE Effluent	11/12/15	1200	49963.3									
SVE Effluent	12/07/15	1300	50564.5									
SVE Posttreatment	01/17/08	na	na	0	18.8	0.40	9.3					
SVE Posttreatment	01/17/08	1550	na	0	18.5	1.10	64					
SVE Posttreatment	01/18/08	1600	na	0	18.5	1.00	41.8					
SVE Posttreatment	01/19/08	1035	na	0	18.9	0.90	58	0.9				
SVE Posttreatment	01/19/08	1335	na	0	18.7	0.90	26.3	0.7				
SVE Posttreatment	01/20/08	955	na	0	19	0.80	6.9	0.7				
SVE Posttreatment	01/20/08	1230	na	0	18.8	0.90	107	2.3				
SVE Posttreatment	01/23/08	1230	na	0	20.9	0.70	70	0.9				
SVE Posttreatment	01/24/08	800	na	0	18.5	1.20	113					
SVE Posttreatment	01/31/08	700	na	0	18	1.50	15.5					
SVE Posttreatment	02/06/08	1015	na	3	19.4	1.00	1.6					
SVE Posttreatment (re-start)	02/27/08	1500	na	0	11.2	7.20	6					na
SVE Posttreatment	02/28/08	1630	na	0	11.6		16					na

Table 5
SVE Total Emissions Field Readings
Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin

Source	Date	Time	Operational Timer	LEL	Oxygen	Carbon	PID	Methane	FID	Vac	Pressure	Airflow
				%	%	Dioxide %	(ppm)	%		(PSI/inches H ₂ O)	(inches)	(SCFM)
SVE Posttreatment	02/29/08	1000	na	0	14.3	4.20	7.5					na
SVE Posttreatment	03/06/08	830	na	0	9.3	8.60	2		2			na
SVE Posttreatment	03/12/08	1430	na	0	10.8	7.80	15		11			na
SVE Posttreatment	03/19/08	1100	na	0	15.9	5.30	23					na
SVE Posttreatment	03/26/08	930	na	0	12	7.20	56		165			na
SVE Posttreatment	04/01/08	1100	na	0	16.3	6.80			200			na
SVE Posttreatment	04/08/08	1100	na	0	12.8	4.20	161		363			na
SVE Posttreatment	04/21/08	1100	na	0	16	3.00	19.5		10.5			na
SVE Posttreatment	04/28/08	1200	na	0	14.4	4.50	121		310			na
SVE Posttreatment	05/06/08	1050	na	0	14.5	4.80	131		660			na
SVE Posttreatment	05/14/08	1100	na									na
SVE Posttreatment	05/22/08	1000	na	0	14.6	5.50	43		3			na
SVE Posttreatment	06/04/08	1000	na	0	13.8				112			na
SVE Posttreatment	06/27/08	1000	na	0	14.8	2.60	12.8		18			na
SVE Posttreatment	07/22/08	930	na	0	13	4.60	4.5		NM			na
SVE Posttreatment	07/30/08	1000	na	0	15.9	3.40	0		7			na
SVE Posttreatment	08/05/08	1000	na	2	15.8	3.40	0		20			na
SVE Posttreatment	08/12/08	930	na	0	16.4	3.30	2.6		16			na
SVE Posttreatment	08/19/08	1000	na	0	16.5	3.20	2.6		435			na
SVE Posttreatment	08/27/08	945	na	0	15.6	0.30	1		24			na
SVE Posttreatment	09/09/08	1130	na	0	18.2	1.00	0					na
SVE Posttreatment	09/16/08	1130	na	0	17.9	0.00	0					na
SVE Posttreatment	09/24/08	1130	na	0	17.8	4.00	0					na
SVE Posttreatment	09/30/08	1230	na	0	17.6	2.00	0					na
SVE Posttreatment	10/06/08	1230	na	0	16.6	3.05	0					na
SVE Posttreatment	10/14/08	1145	na	0	16.6	3.05	0					na
SVE Posttreatment	10/21/08	1145	na	0	16.7	2.95	0					na
SVE Posttreatment	11/04/08	830	na	0	18.5	1.85	0					na
SVE Posttreatment	11/11/08	1200	na	0	18.8	1.90	0					na
SVE Posttreatment	11/19/08	1115	na	0	19.1	1.42	0					na
SVE Posttreatment	12/04/08	1100	na	0.06	10.9	2.50	0					na
SVE Posttreatment	12/10/08	1130	na	0	17.1	2.32	0					na
SVE Posttreatment	12/26/08	1030	na									na
SVE Posttreatment	01/02/09	1015	na	0	16.2	3.85	0					na
SVE Posttreatment	01/09/09	1015	na									na
SVE Posttreatment	01/20/09	1225	na	0.11	19.2	1.50	165					na
SVE Posttreatment	01/27/09	1120	na	0	19.1	2.00	0					na
SVE Posttreatment	02/04/09	1030	na	0	17.9	2.30	0					na
SVE Posttreatment	02/17/09	1030	na	0	16.6	2.80	0					na
SVE Posttreatment	02/27/09	1130	na	0	16.5	2.82	0					na
SVE Posttreatment	03/04/09	1230	na	0	16.2	2.76	0					na
SVE Posttreatment	03/11/09	1215	na	0	16.9	2.68	0					na
SVE Posttreatment	03/17/09	1030	na	0	17.5	2.15	0					na
SVE Posttreatment	03/24/09	1130	na	0	16.9	2.17	0					na
SVE Posttreatment	03/31/09	1040	na	0	16.9	2.09	0					na
SVE Posttreatment	04/08/09	840	na	0	16.8	2.12	0					na
SVE Posttreatment	04/13/09	1100	na	0	18.9	1.48	0					na
SVE Posttreatment	04/22/09	1045	na	0	16.8	2.11	0					na
SVE Posttreatment	04/29/09	845	na	0	17.1	2.16	0					na
SVE Posttreatment	05/12/09	1030	na	0	16.4	2.18	0					na
SVE Posttreatment	05/19/09	800	na	0	16.2	2.11	0					na
SVE Posttreatment	Catalytic Oxidizer was removed - SVE Effluent is now the equivalent to post treatment											

Note: Emissions discharged from the system to the atmosphere is listed as SVE Posttreat through 5/19/2009. Emissions from the system were not treated after 5/19/2009 and emissions to the atmosphere are listed as SVE Effluent after 5/19/2009.

Table 6
SVE Total Hydrocarbon and Vapor Concentrations
Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin
(concentrations in mg/m3)

Location	Date	Lab	TPH as Gasoline	TPH as Diesel	Benzene	Ethyl benzene	Toluene	Xylene m & p	Xylene o-
SVE PRE	1/17/2008	CAS	830	800 AT	4.4 *	<0.26	4.6	<0.26	<0.26
SVE PRE	1/19/2008	CAS	680	280 AT	3.2 *	<0.23	1.3	<0.23	<0.23
SVE PRE	1/20/2008	CAS	1300	370 AT	9.6 *	<0.22	3.3	0.56	<0.22
SVE PRE	1/23/2008	CAS	440	510 AT	1.5	<0.36	0.53	<0.36	<0.36
SVE PRE	1/31/2008	CAS	2400	490 AT	5.3 *	<0.22	2.1	<0.22	<0.22
SVE PRE	2/6/2008	CAS	3200 AT	650 AT	7.0 *	<0.28	6.7	2.2	0.51 *
SVE PRE	2/27/2008	CAS	33000	9900 AT, BT, h	130 *	6.7 *	100	18	7.2
SVE PRE	2/28/2008	CAS	47000	12000 AT, BT	240 *	13 *	190	35	15
SVE PRE	2/29/2008	CAS	42000	7900 AT, BT	230 *	14 *	190	40	16
SVE PRE	3/6/2008	CAS	31000	9400 AT, BT	220	9.6	170	39	13
SVE PRE	3/12/2008	CAS	51000	8700 AT	350	12 *	280	61	22
SVE PRE	3/19/2008	CAS	23000	9300 AT	210 *	17 *	230	71	23
SVE PRE	3/26/2008	CAS	24000	24000 AT ,BT	340	30 *	380	140	42
SVE PRE	4/21/2008	CAS	12000	10000 AT	150 *	19 *	280	96	28
SVE PRE	5/22/2008	CAS	8100	9300 AT	77 *	17	200	80	26
SVE PRE	6/27/2008	CAS	5500	5900 AT	53 *	18	190	94	30
SVE PRE	7/22/2008	CAS	5800	6300 AT	48 *	12 *	150	65	22
SVE PRE	8/27/2008	CAS	4000	3200 AT	24 *	5.8 *	73	37	15
SVE PRE	9/24/2008	CAS	750	<5.0	4.2 *	<2.5	12	7.3	2.6
SVE PRE	10/28/2008	CAS		1200 AT					
SVE PRE	11/19/2008	CAS	1500	2100 AT	9.3 *	3.0 *	22 *	15	6.5
SVE PRE	1/20/2009	CAS	2100	870 AT	21 *	4.0 *	41	23	7.7
SVE PRE	2/17/2009	CAS	3400	1100 AT	19 *	<1.8	44 *	19 *	11
SVE PRE	3/17/2009	CAS	2700	950 AT	19 *	11 *	51 *	28 *	14
SVE PRE	4/22/2009	CAS	2000	810 AT	8.7	0.92	17	5.5	2.0
SVE PRE	5/19/2009	CAS	1100	770 AT	5.4	0.93	14	5.7	2.2
SVE EFF	6/30/2009	CAS	1400	630 *	4.7	0.47	9.5	3.1	1.2
SVE EFF	7/20/2009	CAS	2100	930 Y	7.4	0.77	14	5.1	2.1
SVE EFF	8/18/2009	CAS	1500	890 Y	5.8	0.62	11	4.3	1.8
SVE EFF	9/29/2009	CAS	2000	1100 AT	3.9	0.5	8.7	4.1	1.8
SVE EFF	12/8/2009	CAS	1600		5.7				
SVE EFF	1/19/2010	CAS	1000		3.2				
SVE EFF	2/16/2010	CAS	790		1.9				
SVE EFF	3/16/2010	CAS	650		1.9				
SVE EFF	4/13/2010	CAS	660		2.1				
SVE EFF	5/12/2010	CAS	590		2.3				
SVE EFF	6/8/2010	CAS	490		1.8				
SVE EFF	7/7/2010	CAS	410		1.2				
SVE EFF	8/3/2010	CAS	290		0.79				
SVE EFF	9/27/2010	CAS	51		0.16				
SVE EFF	10/25/2010	CAS	140		0.38				
SVE EFF	11/30/2010	CAS	58		0.094				
SVE EFF	12/28/2010	CAS	<25		0.036				
SVE EFF	1/26/2011	CAS	76		0.093				
SVE EFF	2/21/2011	CAS	99		0.18				
SVE EFF	3/24/2011	CAS	81		0.15				
SVE EFF	4/26/2011	CAS	<24		0.014				
SVE EFF	5/23/2011	CAS	<25		<0.014				
SVE EFF	6/23/2011	CAS	68		0.0083				
SVE EFF	7/28/2011	CAS	56		0.02				
SVE EFF	8/15/2011	CAS	<32		0.0064				
System shut off 8/15/2011 and restarted 1/10/2012									
SVE EFF	1/10/2012	CAS	130		<0.028				
SVE EFF	2/20/2012	CAS	120		0.07				
SVE EFF	3/26/2012	CAS	53		0.038				
SVE EFF	4/23/2012	CAS	58		0.034				
SVE EFF	5/22/2012	CAS	28		0.012				

Table 6
SVE Total Hydrocarbon and Vapor Concentrations
Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin
(concentrations in mg/m3)

Location	Date	Lab	TPH as Gasoline	TPH as Diesel	Benzene	Ethyl benzene	Toluene	Xylene m & p	Xylene o-
SVE EFF	6/19/2012	CAS	58		0.028				
SVE EFF	7/30/2012	CAS	50						
SVE EFF	8/29/2012	CAS	91		0.044				
SVE EFF	9/25/2012	CAS	81		0.047				
SVE EFF	10/30/2012	CAS	74		0.031				
SVE EFF	11/12/2012	CAS	44		0.022				
SVE EFF	12/17/2012	CAS	81		0.035				
SVE EFF	1/29/2013	CAS	56		0.018				
SVE EFF	2/25/2013	CAS	59		0.018				
SVE EFF	3/25/2013	CAS	80		0.024				
SVE EFF	4/22/2013	CAS	65		0.02				
SVE EFF	5/9/2013	CAS	<25		<0.0023				
System Shut of 5/9/2013 and restarted 2/26/2014									
SVE EFF	2/26/2014	ALS	120		<0.058				
SVE EFF	3/25/2014	ALS	170		<0.043				
SVE EFF	4/16/2014	ALS	50		<0.0069				
SVE EFF	5/15/2014	ALS	<31		<0.0021				
SVE EFF	6/9/2014	ALS	<25		<0.0017				
SVE EFF	7/17/2014	ALS	<24		<0.0017				
SVE EFF	8/19/2014	ALS	<27		<0.0019				
SVE EFF	9/16/2014	ALS	<24		<0.0017				
SVE EFF	10/14/2014	ALS	<30		<0.0021				
SVE EFF	11/13/2014	ALS	<24		<0.0017				
SVE EFF	12/11/2014	ALS	<24		<0.0017				
SVE EFF	1/13/2015	ALS	<30		<0.0018				
SVE EFF	2/24/2015	ALS	<25		<0.0017				

SVE PRE = SVE system effluent prior to treatment with catalytic oxidizer

SVE EFF = SVE system effluent from same sampling port as SVE PRE, however, catalytic oxidizer was removed (direct SVE discharge)

Detections are presented in **bold**.

* Estimated value, QA/QC criteria not met.

h EPA recommended sample preservation, extraction or analysis holding time was exceeded.

AT Sample chromatogram is noted to be atypical of a petroleum product.

BT Indicates possible breakthrough - result for back section at least 10% of result from front section of tube.

Y The chromatogram resembles a petroleum product but does not match the calibration standard

Table 7
Total Hydrocarbon Mass Removal
Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin

Date	SVE System			Biodegradation		
	Removal Rate (lbs/day)	Cumulative (lbs)	Cumulative (barrels)	Removal Rate (lbs/day)	Cumulative (lbs)	Cumulative (barrels)
2/27/2008	193	0	0	36	0	0
2/28/2008	265	243	1	--	--	--
2/29/2008	224	422	1	105	188	1
3/6/2008	523	2,760	9	328	2,135	7
3/12/2008	2,039	10,128	35	684	6,411	22
3/19/2008	1,103	20,900	72	237	8,037	28
3/26/2008	1,545	30,141	104	237	9,680	33
4/1/2008	--	--	--	240	11,134	38
4/8/2008	--	--	--	198	12,516	43
4/15/2008	--	--	--	198	13,882	48
4/21/2008	690	59,132	203	180	14,977	51
4/28/2008	--	--	--	159	16,095	55
5/6/2008	--	--	--	198	17,666	61
5/22/2008	601	79,228	272	212	21,044	72
6/4/2008				226	23,978	82
6/27/2008	394	97,125	334	508	35,660	123
7/22/2008	404	107,086	368	423	46,232	159
7/30/2008	--	--	--	367	49,174	169
8/5/2008	--	--	--	395	51,545	177
8/12/2008	--	--	--	320	53,780	185
8/19/2008	--	--	--	320	56,028	192
8/27/2008	269	119,365	410	534	60,291	207
9/9/2008	--	--	--	351	64,876	223
9/16/2008	--	--	--	437	67,938	223
9/24/2008	28	123,529	424	244	69,890	240
9/30/2008	--	--	--	262	71,470	246
10/6/2008	--	--	--	320	73,215	252
10/14/2008	--	--	--	334	75,820	260
10/21/2008	--	--	--	329	78,138	268
11/4/2008	--	--	--	305	82,535	284
11/11/2008	--	--	--	290	84,661	291
11/19/2008	134	128,076	440	244	86,787	298
12/4/2008	--	--	--	503	92,386	317
12/10/2008	--	--	--	396	95,094	327
1/2/2009	--	--	--	628	106,852	367
1/20/2009	119	135,956	467	294	115,197	396
1/27/2009	--	--	--	250	117,091	402
2/4/2009	--	--	--	354	119,500	411
2/17/2009	155	139,842	480	536	125,093	430
2/27/2009	--	--	--	536	130,711	449
3/7/2009	--	--	--	226	133,774	460
3/11/2009	--	--	--	245	134,713	463
3/17/2009	121	143,709	494	435	136,727	470
3/24/2009				259	139,171	478
3/31/2009				274	141,030	485
4/22/2009	103	147,428	507	320	148,263	509
5/19/2009	85	149,736	514	252	155,072	533
6/30/2009	44	151,575	521	93	158,971	546
7/20/2009	55	152,684	525	81	160,581	552
8/18/2009	70	154,726	532	117	163,967	563
9/29/2009	80	158,083	543	172	171,188	588
10/15/2009	121	160,018	550	243	175,075	602

Table 7
Total Hydrocarbon Mass Removal
Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin

Date	SVE System			Biodegradation		
	Removal Rate (lbs/day)	Cumulative (lbs)	Cumulative (barrels)	Removal Rate (lbs/day)	Cumulative (lbs)	Cumulative (barrels)
11/11/2009	107	162,912	560	211	180,766	621
12/7/2009	18	163,384	561	42	181,870	625
1/19/2010	48	165,464	568	182	189,711	652
2/16/2010	33	166,397	572	182	194,820	669
3/16/2010	27	167,146	574	137	198,643	682
4/13/2010	24	167,828	577	114	201,836	693
5/12/2010	22	168,477	579	131	205,624	706
6/8/2010	17	168,946	580	131	209,174	719
7/7/2010	16	169,411	582	146	213,422	733
8/3/2010	13	169,756	583	163	217,811	748
9/27/2010	6	170,074	584	166	226,942	780
10/25/2010	3	170,170	585	157	231,339	795
11/30/2010	4	170,297	585	129	235,998	811
12/28/2010	1	170,336	585	115	239,229	822
1/26/2011	1	170,375	585	82	241,607	830
2/21/2011	3	170,458	586	97	244,134	839
3/24/2011	3	170,554	586	70	246,309	846
4/26/2011	1	170,590	586	48	247,896	852
5/23/2011	0	170,601	586	77	249,986	859
6/23/2011	1	170,646	586	95	252,922	869
7/28/2011	2	170,719	587	117	257,003	883
8/15/2011	1	170,739	587	108	258,969	890
System shut off 8/15/2011 and restarted on 01/01/12						
1/10/2012		170,739	587		258,969	890
2/20/2012	4	170,900	587	507	279,763	961
3/26/2012	3	170,995	587	32	280,881	965
4/23/2012	2	171,047	588	21	281,471	967
5/22/2012	1	171,085	588	43	282,709	971
6/19/2012	1	171,119	588	29	283,514	974
7/30/2012	1	171,173	588	79	286,739	985
8/29/2012	3	171,259	588	112	290,100	997
9/25/2012	2	171,323	589	109	293,048	1007
10/30/2012	3	171,437	589	93	296,311	1018
11/12/2012	2	171,468	589	80	297,345	1022
12/17/2012	1	171,505	589	89	300,462	1032
1/29/2013	2	171,581	590	252	311,316	1070
2/25/2013	3	171,649	590	72	313,270	1076
3/25/2013	2	171,717	590	45	314,543	1081
4/22/2013	2	171,781	590	30	315,382	1084
5/9/2013	2	171,812	590	28	315,863	1085
System shut off on 5/9/2013 and restarted on 02/26/2014						
2/26/2014		171,812	590		315,863	1085
3/25/2014	3	171,903	591	620	332,608	1143
4/16/2014	3	171,964	591	56	333,840	1147
5/15/2014	3	172,065	591	22	334,466	1149
6/9/2014	1	172,097	591	15	334,833	1150
7/17/2014	1	172,123	591	20	335,587	1153
8/19/2014	1	172,153	591	99	338,847	1164
9/16/2014	1	172,173	592	104	341,763	1174
10/14/2014	1	172,200	592	64	343,559	1180
11/13/2014	1	172,220	592	47	344,967	1185
12/11/2014	1	172,244	592	15	345,373	1187
1/13/2015	1	172,269	592	13	345,797	1188

Table 7
Total Hydrocarbon Mass Removal
Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin

Date	SVE System			Biodegradation		
	Removal Rate (lbs/day)	Cumulative (lbs)	Cumulative (barrels)	Removal Rate (lbs/day)	Cumulative (lbs)	Cumulative (barrels)
2/24/2015	1	172,302	592	6	346,066	1189

VI. Monitoring Well and Air Sparge Point Sealing Records

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information					2. Facility / Owner Information				
WI Unique Well No.		DNR Well ID No.		County	Facility Name				
				Rock	Enbridge Mile Post 85				
Common Well Name				Gov't Lot # (if applicable)	Facility ID		License/Permit/Monitoring No.		
MW-18							City, Village or Town		
							Murry Township		
1/4	1/4	Section	Township	Range	<input type="checkbox"/> E	Street Address of Well			
SW	NW	9	36 N	7	<input checked="" type="checkbox"/> W				
Grid Location					Present Well Owner				
Feet <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W					Enbridge				
<input type="checkbox"/> Local Grid Origin					Original Well Owner				
<input type="checkbox"/> (estimated) OR <input checked="" type="checkbox"/> Well Location					Street Address or Route of Owner				
Latitude: DEG MIN SEC					Longitude: DEG MIN SEC				
45° 37' 11.8" N					91° 15' 19.7" W				
Reason For Abandonment					WI Unique Well No. of Replacement Well				
(Commission) Abandoned									

3. Well / Drillhole / Borehole Information					4. Pump, Liner, Screen, Casing & Sealing Material				
<input checked="" type="checkbox"/> Monitoring Well		Original Construction Date			Pump and piping removed?				
<input type="checkbox"/> Water Well		10/27/2007			<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A				
<input type="checkbox"/> Borehole / Drillhole		If a Well Construction Report is available, please attach.			<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A				
Construction Type:					Liner(s) removed?				
<input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug					<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A				
<input type="checkbox"/> Other (specify): Rotasonic					Screen removed?				
					<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A				
Formation Type:					Casing left in place?				
<input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock					<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A				
Total Well Depth From Groundsurface (ft.)		Casing Diameter (in.)			Was casing cut off below surface?				
44.80		2			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A				
Lower Drillhole Diameter (in.)		Casing Depth (ft.)			Did sealing material rise to surface?				
					<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A				
Was well annular space grouted?					Did material settle after 24 hours?				
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown					<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A				
If yes, to what depth (feet)?		Depth to Water (feet)			If bentonite chips were used, were they hydrated with water from a known safe source?				
					<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A				
Required Method of Placing Sealing Material					Sealing Materials				
<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped					<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)				
<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain):					<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " "				
					<input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Bentonite Chips				
For Monitoring Wells and Monitoring Well Boreholes Only:									
<input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout									
<input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry									

5. Material Used To Fill Well / Drillhole			
From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	44.80	2 sacks	

6. Comments

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Sealing Work		Date of Abandonment	Date Received	Noted By
Colman Engineering Co		12/09/16		
Street or Route		Telephone Number	Comments	
635 Crata Drive		(906) 774-3440		
City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Iron Mountain	WI	49801	Craig Rich	12-15-16

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information

WI Unique Well No. _____ DNR Well ID No. _____ County Rusk

Common Well Name mw-19 Gov't Lot # (if applicable) _____

1/4 SW 1/4 NW Section 9 Township 36 N Range 7 E W

Grid Location
 Feet N S E W Local Grid Origin (estimated) OR Well Location

Latitude: DEG MIN SEC 45° 37' 7.2" N Longitude: DEG MIN SEC 91° 15' 14.0" W

2. Facility / Owner Information

Facility Name Embbridge Milk Post 85

Facility ID _____ License/Permit/Monitoring No. _____ City, Village or Town Murray Township

Street Address of Well _____

Present Well Owner Embbridge Original Well Owner _____

Street Address or Route of Owner _____

City _____ State WI ZIP Code _____

Reason For Abandonment (Commission) abandon WI Unique Well No. of Replacement Well _____

3. Well / Drillhole / Borehole Information

Monitoring Well Water Well Borehole / Drillhole

Original Construction Date 2/20/2008

If a Well Construction Report is available, please attach. _____

Construction Type:
 Drilled Driven (Sandpoint) Dug
 Other (specify): hollow stem

Formation Type:
 Unconsolidated Formation Bedrock

Total Well Depth From Groundsurface (ft.) 16.6 Casing Diameter (in.) 2

Lower Drillhole Diameter (in.) _____ Casing Depth (ft.) _____

Was well annular space grouted? Yes No Unknown

If yes, to what depth (feet)? _____ Depth to Water (feet) 4.66

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed? Yes No N/A

Liner(s) removed? Yes No N/A

Screen removed? Yes No N/A

Casing left in place? Yes No N/A

Was casing cut off below surface? Yes No N/A

Did sealing material rise to surface? Yes No N/A

Did material settle after 24 hours? Yes No N/A
 If yes, was hole retopped? Yes No N/A

If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A

Required Method of Placing Sealing Material
 Conductor Pipe-Gravity Conductor Pipe-Pumped
 Screened & Poured (Bentonite Chips) Other (Explain): _____

Sealing Materials
 Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)
 Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " "
 Concrete Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
 Bentonite Chips Bentonite - Cement Grout
 Granular Bentonite Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	16.6	<u>1/2</u>	-

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work <u>Colman Engineering Co</u>		Date of Abandonment <u>12/08/16</u>	DNR Use Only	
Street or Route <u>635 Circle Drive</u>		Telephone Number <u>()</u>	Date Received	Noted By
City <u>Iron Mountain</u>	State <u>MI</u>	ZIP Code <u>49801</u>	Signature of Person Doing Work <u>Tracy Reel</u>	
			Date Signed <u>12-15-16</u>	

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information **2. Facility / Owner Information**

WI Unique Well No.		DNR Well ID No.		County <i>Rusk</i>		Facility Name <i>Enbridge Mile Post 85</i>	
Common Well Name <i>MW-20</i>				Gov't Lot # (if applicable)		Facility ID	
License/Permit/Monitoring No.		City, Village or Town <i>Murry Township</i>		Street Address of Well			
$\frac{1}{4}$ SW	$\frac{1}{4}$ NW	Section <i>9</i>	Township <i>36 N</i>	Range <i>7</i>	<input type="checkbox"/> E <input checked="" type="checkbox"/> W		
Grid Location				Present Well Owner <i>Enbridge</i>			
Feet <input type="checkbox"/> N <input type="checkbox"/> S		Feet <input type="checkbox"/> E <input type="checkbox"/> W		<input type="checkbox"/> Local Grid Origin		Original Well Owner	
<input type="checkbox"/> (estimated) OR <input checked="" type="checkbox"/> Well Location				Street Address or Route of Owner			
Latitude: DEG MIN SEC <i>45° 37' 6.2" N</i>		Longitude: DEG MIN SEC <i>91° 15' 13.8" W</i>		City		State <i>WI</i>	ZIP Code
Reason For Abandonment <i>Commissioner's abandon</i>		WI Unique Well No. of Replacement Well		City			

3. Well / Drillhole / Borehole Information

<input checked="" type="checkbox"/> Monitoring Well	Original Construction Date <i>2/28/2008</i>
<input type="checkbox"/> Water Well	
<input type="checkbox"/> Borehole / Drillhole	
If a Well Construction Report is available, please attach.	
Construction Type:	
<input checked="" type="checkbox"/> Drilled	<input type="checkbox"/> Driven (Sandpoint)
<input type="checkbox"/> Other (specify): <i>hollow stem auger</i>	<input type="checkbox"/> Dug
Formation Type:	
<input checked="" type="checkbox"/> Unconsolidated Formation	<input type="checkbox"/> Bedrock
Total Well Depth From Groundsurface (ft.) <i>15.20</i>	Casing Diameter (in.) <i>2</i>
Lower Drillhole Diameter (in.)	Casing Depth (ft.)
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown	
If yes, to what depth (feet)?	Depth to Water (feet) <i>6.26</i>

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Liner(s) removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Screen removed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Casing left in place?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Was casing cut off below surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Did material settle after 24 hours?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
If yes, was hole retopped?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Required Method of Placing Sealing Material	
<input type="checkbox"/> Conductor Pipe-Gravity	<input type="checkbox"/> Conductor Pipe-Pumped
<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips)	<input type="checkbox"/> Other (Explain): _____
Sealing Materials	
<input type="checkbox"/> Neat Cement Grout	<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)
<input type="checkbox"/> Sand-Cement (Concrete) Grout	<input type="checkbox"/> Bentonite-Sand Slurry " "
<input type="checkbox"/> Concrete	<input checked="" type="checkbox"/> Bentonite Chips
For Monitoring Wells and Monitoring Well Boreholes Only:	
<input checked="" type="checkbox"/> Bentonite Chips	<input type="checkbox"/> Bentonite - Cement Grout
<input type="checkbox"/> Granular Bentonite	<input type="checkbox"/> Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	<i>15.20</i>	<i>1/2</i>	

6. Comments

7. Supervision of Work **DNR Use Only**

Name of Person or Firm Doing Sealing Work <i>Coleman Engineering Co</i>		Date of Abandonment <i>12/08/16</i>	Date Received	Noted By
Street or Route <i>635 Circle Drive</i>		Telephone Number <i>(904) 774-3440</i>	Comments	
City <i>Iron Mountain</i>	State <i>MI</i>	ZIP Code <i>49801</i>	Signature of Person Doing Work <i>Ang Rich</i>	Date Signed <i>12-15-16</i>

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information				2. Facility / Owner Information			
WI Unique Well No.		DNR Well ID No.		County		Facility Name	
_____		_____		Rusk		Ewbridge Mile Post 85	
Common Well Name				Gov't Lot # (if applicable)		City, Village or Town	
MW-22				_____		Murry Township	
1/4	1/4	Section	Township	Range	<input type="checkbox"/> E		
SW	NW	9	36 N	7	<input checked="" type="checkbox"/> W		
Grid Location				Present Well Owner			
Feet		Feet		Local Grid Origin		Original Well Owner	
<input type="checkbox"/> N	<input type="checkbox"/> E	<input type="checkbox"/>		<input type="checkbox"/>		Ewbridge	
<input type="checkbox"/> S	<input type="checkbox"/> W	<input type="checkbox"/>		<input type="checkbox"/>		_____	
Latitude: DEG MIN SEC				Longitude: DEG MIN SEC			
25° 37' 5.1" N				91° 15' 13.6" W			
Reason For Abandonment				WI Unique Well No. of Replacement Well			
_____				_____			

3. Well / Drillhole / Borehole Information				4. Pump, Liner, Screen, Casing & Sealing Material			
<input checked="" type="checkbox"/> Monitoring Well		Original Construction Date		Pump and piping removed?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Water Well		2/27/2008		Liner(s) removed?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Borehole / Drillhole		If a Well Construction Report is available, please attach.		Screen removed?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Construction Type:				Casing left in place?			
<input checked="" type="checkbox"/> Drilled		<input type="checkbox"/> Driven (Sandpoint)		<input checked="" type="checkbox"/> Yes		<input type="checkbox"/> No <input type="checkbox"/> N/A	
<input type="checkbox"/> Other (specify):		Hollow stem Auger		Was casing cut off below surface?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Formation Type:				Did sealing material rise to surface?			
<input checked="" type="checkbox"/> Unconsolidated Formation		<input type="checkbox"/> Bedrock		<input checked="" type="checkbox"/> Yes		<input type="checkbox"/> No <input type="checkbox"/> N/A	
Total Well Depth From Groundsurface (ft.)		Casing Diameter (in.)		Did material settle after 24 hours?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
16.00		2		If yes, was hole retopped?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Lower Drillhole Diameter (in.)		Casing Depth (ft.)		If bentonite chips were used, were they hydrated with water from a known safe source?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
_____		_____		Required Method of Placing Sealing Material			
Was well annular space grouted?				<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped			
<input type="checkbox"/> Yes		<input type="checkbox"/> No		<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____			
<input checked="" type="checkbox"/> Unknown		_____		Sealing Materials			
If yes, to what depth (feet)?		Depth to Water (feet)		<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)			
_____		6.74		<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " "			
5. Material Used To Fill Well / Drillhole				<input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Bentonite Chips			
From (ft.)		To (ft.)		No. Yards, Sacks Sealant or Volume (circle one)		Mix Ratio or Mud Weight	
Surface		16.00		1/2		-	
_____		_____		_____		_____	

6. Comments

7. Supervision of Work				DNR Use Only			
Name of Person or Firm Doing Sealing Work		Date of Abandonment		Date Received		Noted By	
Colmans Engineering Co		12/08/16		_____		_____	
Street or Route		Telephone Number		Comments			
635 Circle Drive		(920) 74-3440		_____			
City		State		Signature of Person Doing Work		Date Signed	
Iron Mountain		MI		Craig Ruder		12-15-16	
ZIP Code		49801		_____			

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Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information				2. Facility / Owner Information			
WI Unique Well No.		DNR Well ID No.		County		Facility Name	
				Rusk		Ewbridge Mile Post 85	
Common Well Name				Gov't Lot # (if applicable)		Facility ID	
mwj-23						License/Permit/Monitoring No	
1/4 1/4 SW		1/4 NW		Section 9		City, Village or Town	
				36 N 7		Murry Township	
Range		Township		Section		Street Address of Well	
E		36 N		9			
W						Present Well Owner	
						Ewbridge	
						Original Well Owner	
						Street Address or Route of Owner	
Grid Location		Local Grid Origin		City		State	
Feet		Feet		WI		ZIP Code	
N		E					
S		W					
Latitude: DEG MIN SEC		Longitude: DEG MIN SEC					
45° 37' 4.4" N		91° 15' 12.6" W					

Reason For Abandonment: Discontinuation of Monitoring WI Unique Well No. of Replacement Well: _____

3. Well / Drillhole / Borehole Information

Monitoring Well
 Water Well
 Borehole / Drillhole

Original Construction Date: 3/20/2008

If a Well Construction Report is available, please attach.

Construction Type:
 Drilled Driven (Sandpoint) Dug
 Other (specify): Rotasonic

Formation Type:
 Unconsolidated Formation Bedrock

Total Well Depth From Groundsurface (ft.): 16.30 Casing Diameter (in.): 2

Lower Drillhole Diameter (in.): _____ Casing Depth (ft.): _____

Was well annular space grouted? Yes No Unknown

If yes, to what depth (feet)? _____ Depth to Water (feet): 5.86

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed? Yes No N/A
 Liner(s) removed? Yes No N/A
 Screen removed? Yes No N/A
 Casing left in place? Yes No N/A

Was casing cut off below surface? Yes No N/A
 Did sealing material rise to surface? Yes No N/A
 Did material settle after 24 hours? Yes No N/A
 If yes, was hole retopped? Yes No N/A
 If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A

Required Method of Placing Sealing Material
 Conductor Pipe-Gravity Conductor Pipe-Pumped
 Screened & Poured (Bentonite Chips) Other (Explain): _____

Sealing Materials
 Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)
 Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " "
 Concrete Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
 Bentonite Chips Bentonite - Cement Grout
 Granular Bentonite Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole			
From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	16.30	1/2	
3/8" bentonite chips			

6. Comments

7. Supervision of Work		DNR Use Only	
Name of Person or Firm Doing Sealing Work		Date of Abandonment	Date Received
Coleman Engineering Co		12/08/16	
Street or Route		Telephone Number	Comments
635 Circle Drive		(966) 774-3440	
City	State	ZIP Code	Signature of Person Doing Work
Iron Mountain	MI	49501	Amy Rich
			Date Signed
			12-15-16

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information **2. Facility / Owner Information**

WI Unique Well No.		DNR Well ID No.		County <i>Rusk</i>		Facility Name <i>Enbridge mile post 85</i>	
Common Well Name <i>MW-24</i>				Gov't Lot # (if applicable)		License/Permit/Monitoring No.	
City, Village or Town <i>Murry Township</i>		Street Address of Well		Present Well Owner <i>Enbridge</i>		Original Well Owner	
1/4 1/4 <i>SW</i>	1/4 <i>NW</i>	Section <i>9</i>	Township <i>36 N</i>	Range <i>7</i>	<input type="checkbox"/> E <input checked="" type="checkbox"/> W	Street Address or Route of Owner	
Grid Location		Local Grid Origin		City		State <i>WI</i>	
Feet	<input type="checkbox"/> N <input type="checkbox"/> S	Feet	<input type="checkbox"/> E <input type="checkbox"/> W	<input type="checkbox"/> (estimated) OR <input checked="" type="checkbox"/> Well Location		ZIP Code	
Latitude: DEG MIN SEC <i>45 37 3.1 N</i>		Longitude: DEG MIN SEC <i>91 15 13.4 W</i>		Reason For Abandonment <i>de commission / abandon</i>		WI Unique Well No. of Replacement Well	

3. Well / Drillhole / Borehole Information

<input checked="" type="checkbox"/> Monitoring Well	Original Construction Date <i>2/21/2008</i>
<input type="checkbox"/> Water Well	
<input type="checkbox"/> Borehole / Drillhole	
If a Well Construction Report is available, please attach.	
Construction Type:	
<input checked="" type="checkbox"/> Drilled	<input type="checkbox"/> Driven (Sandpoint)
<input type="checkbox"/> Other (specify): <i> hollow stem auger</i>	<input type="checkbox"/> Dug
Formation Type:	
<input checked="" type="checkbox"/> Unconsolidated Formation	<input type="checkbox"/> Bedrock
Total Well Depth From Groundsurface (ft.) <i>12.6</i>	Casing Diameter (in.) <i>2</i>
Lower Drillhole Diameter (in.)	Casing Depth (ft.)
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown	
If yes, to what depth (feet)?	Depth to Water (feet) <i>5.13</i>

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Liner(s) removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Screen removed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Casing left in place?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Was casing cut off below surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Did material settle after 24 hours?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
If yes, was hole retopped?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Required Method of Placing Sealing Material	
<input type="checkbox"/> Conductor Pipe-Gravity	<input checked="" type="checkbox"/> Conductor Pipe-Pumped
<input type="checkbox"/> Screened & Poured (Bentonite Chips)	<input type="checkbox"/> Other (Explain): _____
Sealing Materials	
<input type="checkbox"/> Neat Cement Grout	<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)
<input type="checkbox"/> Sand-Cement (Concrete) Grout	<input checked="" type="checkbox"/> Bentonite-Sand Slurry " "
<input type="checkbox"/> Concrete	<input type="checkbox"/> Bentonite Chips
For Monitoring Wells and Monitoring Well Boreholes Only:	
<input type="checkbox"/> Bentonite Chips	<input type="checkbox"/> Bentonite - Cement Grout
<input type="checkbox"/> Granular Bentonite	<input checked="" type="checkbox"/> Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
<i>Surface</i>	<i>12.6</i>	<i>gal</i>	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work <i>Coleman Engineering Company</i>		Date of Abandonment <i>12/05/16</i>		DNR Use Only	
Street or Route <i>635 Circle Dr.</i>		Telephone Number <i>(906) 774-3440</i>		Date Received	
City <i>Iron Mountain</i>		State <i>MI</i>		Noted By	
ZIP Code <i>49801</i>		Signature of Person Doing Work <i>Craig Reiter</i>		Comments	
				Date Signed <i>12-15-16</i>	

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information **2. Facility / Owner Information**

WI Unique Well No.		DNR Well ID No.		County <i>Rusk</i>		Facility Name <i>Enbridge mile post 85</i>	
Common Well Name <i>MW-24D</i>				Gov't Lot # (if applicable)		License/Permit/Monitoring No.	
City, Village or Town <i>Murry Township</i>		Street Address of Well		Present Well Owner <i>Enbridge</i>		Original Well Owner	
$\frac{1}{4}$ / $\frac{1}{4}$ <i>SW</i>	$\frac{1}{4}$ <i>NW</i>	Section <i>9</i>	Township <i>36 N</i>	Range <i>7</i>	<input type="checkbox"/> E <input checked="" type="checkbox"/> W	Street Address or Route of Owner	
Grid Location		Local Grid Origin		City		State	
Feet	<input type="checkbox"/> N <input type="checkbox"/> S	Feet	<input type="checkbox"/> E <input type="checkbox"/> W	<input type="checkbox"/> (estimated) OR <input checked="" type="checkbox"/> Well Location		ZIP Code	
Latitude: DEG MIN SEC <i>45° 37' 3.2" N</i>		Longitude: DEG MIN SEC <i>91° 15' 13.5" W</i>		City		State <i>WI</i>	
Reason For Abandonment <i>Commission Abandon</i>		WI Unique Well No. of Replacement Well		City		State	

3. Well / Drillhole / Borehole Information

<input checked="" type="checkbox"/> Monitoring Well	Original Construction Date <i>3/5/2008</i>
<input type="checkbox"/> Water Well	
<input type="checkbox"/> Borehole / Drillhole	
If a Well Construction Report is available, please attach.	
Construction Type:	
<input checked="" type="checkbox"/> Drilled	<input type="checkbox"/> Driven (Sandpoint)
<input type="checkbox"/> Other (specify): <i>RotoSonic</i>	<input type="checkbox"/> Dug
Formation Type:	
<input checked="" type="checkbox"/> Unconsolidated Formation	<input type="checkbox"/> Bedrock
Total Well Depth From Groundsurface (ft.) <i>68.6</i>	Casing Diameter (in.) <i>2</i>
Lower Drillhole Diameter (in.)	Casing Depth (ft.)
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown	
If yes, to what depth (feet)?	Depth to Water (feet) <i>2.72</i>

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Liner(s) removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Screen removed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Casing left in place?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Was casing cut off below surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Did material settle after 24 hours?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
If yes, was hole retopped?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Required Method of Placing Sealing Material	
<input type="checkbox"/> Conductor Pipe-Gravity	<input checked="" type="checkbox"/> Conductor Pipe-Pumped
<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips)	<input type="checkbox"/> Other (Explain): _____
Sealing Materials	
<input type="checkbox"/> Neat Cement Grout	<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)
<input type="checkbox"/> Sand-Cement (Concrete) Grout	<input checked="" type="checkbox"/> Bentonite-Sand Slurry " "
<input type="checkbox"/> Concrete	<input type="checkbox"/> Bentonite Chips
For Monitoring Wells and Monitoring Well Boreholes Only:	
<input type="checkbox"/> Bentonite Chips	<input type="checkbox"/> Bentonite - Cement Grout
<input type="checkbox"/> Granular Bentonite	<input checked="" type="checkbox"/> Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
<i>Surface</i>	<i>68.6</i>	<i>11.5 gal</i>	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work <i>Coleman Engineering Co</i>		Date of Abandonment <i>12/05/16</i>		Date Received		Noted By	
Street or Route <i>635 Circle Dr.</i>		Telephone Number <i>(906) 774-3440</i>		Comments			
City <i>Iron Mountain</i>	State <i>MI</i>	ZIP Code <i>49801</i>	Signature of Person Doing Work <i>Gray Reich</i>		Date Signed <i>12-15-16</i>		

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Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information					2. Facility / Owner Information				
WI Unique Well No.		DNR Well ID No.		County		Facility Name			
_____		_____		Rock		Enbridge mile post 85			
Common Well Name				Gov't Lot # (if applicable)		Facility ID	License/Permit/Monitoring No.		City, Village or Town
MW-31				_____		_____	_____		Murry Township
1/4 1/4	1/4	Section	Township	Range	<input type="checkbox"/> E	Street Address of Well			
SW	NW	9	36 N	7	<input checked="" type="checkbox"/> W	_____			
Grid Location			<input type="checkbox"/> Local Grid Origin			Present Well Owner			Original Well Owner
Feet	<input type="checkbox"/> N	Feet	<input type="checkbox"/> E	<input type="checkbox"/> S	<input type="checkbox"/> W	<input type="checkbox"/> (estimated) OR	<input checked="" type="checkbox"/> Well Location	_____	
Latitude: DEG MIN SEC	Longitude: DEG MIN SEC	_____			City			State	ZIP Code
45° 37' 9.4" N	91° 15' 15.5" W	_____			_____			WI	_____
Reason For Abandonment				WI Unique Well No. of Replacement Well		4. Pump, Liner, Screen, Casing & Sealing Material			
decommission / abandon				_____		Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
3. Well / Drillhole / Borehole Information					Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A				
<input checked="" type="checkbox"/> Monitoring Well		Original Construction Date			Screen removed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A				
<input type="checkbox"/> Water Well		3/20/2008			Casing left in place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A				
<input type="checkbox"/> Borehole / Drillhole		If a Well Construction Report is available, please attach.			Was casing cut off below surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A				
Construction Type:					Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A				
<input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug					Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A				
<input type="checkbox"/> Other (specify): <u>Rotasonic</u>					If yes, was hole retopped? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A				
Formation Type:					If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A				
<input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock					Required Method of Placing Sealing Material				
Total Well Depth From Groundsurface (ft.)					<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped				
45.50					<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____				
Casing Diameter (in.)					Sealing Materials				
2					<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)				
Lower Drillhole Diameter (in.)					<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " "				
Casing Depth (ft.)					<input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Bentonite Chips				
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown					For Monitoring Wells and Monitoring Well Boreholes Only:				
If yes, to what depth (feet)?					<input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout				
Depth to Water (feet)					<input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry				
37.28									

5. Material Used To Fill Well / Drillhole				From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" bentonite chips				Surface	45.50	2 sacks	-
6. Comments							

7. Supervision of Work				DNR Use Only			
Name of Person or Firm Doing Sealing Work			Date of Abandonment		Date Received		Noted By
Coloman Engineering Co			12/09/16				
Street or Route			Telephone Number		Comments		
635 Circle Drive			(924) 774-3490				
City		State	ZIP Code	Signature of Person Doing Work		Date Signed	
Iron Mountain		MI	49801	Craig Rich		12-15-16	

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Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information

WI Unique Well No. _____ DNR Well ID No. _____ County Rusk

Common Well Name AS-8 Gov't Lot # (if applicable) _____

1/4 1/4 Section Township Range E W
SW NW 9 36 N 7

Grid Location
 Feet N E Local Grid Origin
 S W (estimated) OR Well Location

Latitude: DEG MIN SEC Longitude: DEG MIN SEC
 _____ N _____ W

Reason For Abandonment decommission/abandon WI Unique Well No. of Replacement Well _____

2. Facility / Owner Information

Facility Name Enbridge Mile Post 85

Facility ID _____ License/Permit/Monitoring No. _____ City, Village or Town Murry Township

Street Address of Well _____

Present Well Owner Enbridge Original Well Owner _____

Street Address or Route of Owner _____

City _____ State WI ZIP Code _____

3. Well / Drillhole / Borehole Information

Monitoring Well
 Water Well
 Borehole / Drillhole

Original Construction Date 03/04/08

If a Well Construction Report is available, please attach. _____

Construction Type:
 Drilled Driven (Sandpoint) Dug
 Other (specify): _____

Formation Type:
 Unconsolidated Formation Bedrock

Total Well Depth From Groundsurface (ft.) 18 Casing Diameter (in.) 2

Lower Drillhole Diameter (in.) _____ Casing Depth (ft.) _____

Was well annular space grouted? Yes No Unknown

If yes, to what depth (feet)? _____ Depth to Water (feet) _____

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed? Yes No N/A

Liner(s) removed? Yes No N/A

Screen removed? Yes No N/A

Casing left in place? Yes No N/A

Was casing cut off below surface? Yes No N/A

Did sealing material rise to surface? Yes No N/A

Did material settle after 24 hours?
 If yes, was hole retopped? Yes No N/A

If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A

Required Method of Placing Sealing Material
 Conductor Pipe-Gravity Conductor Pipe-Pumped
 Screened & Poured (Bentonite Chips) Other (Explain): _____

Sealing Materials
 Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)
 Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " "
 Concrete Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
 Bentonite Chips Bentonite - Cement Grout
 Granular Bentonite Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	18	3/4	-

6. Comments

7. Supervision of Work

Supervision of Work		DNR Use Only	
Name of Person or Firm Doing Sealing Work <u>Coleman Engineering Company</u>	Date of Abandonment <u>12/06/16</u>	Date Received	Noted By
Street or Route <u>635 Circle Dr.</u>	Telephone Number <u>(906) 774-3440</u>	Comments	
City <u>Iron Mountain</u>	State <u>MI</u>	ZIP Code <u>49801</u>	Signature of Person Doing Work <u>Craig Reul</u>
			Date Signed <u>12-15-16</u>

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information **2. Facility / Owner Information**

WI Unique Well No. _____		DNR Well ID No. _____		County <u>Rusk</u>		Facility Name <u>Enbridge Mile Post 85</u>	
Common Well Name <u>AS-9</u>		Gov't Lot # (if applicable)		Facility ID		License/Permit/Monitoring No. _____	
City, Village or Town <u>Murry Twp</u>		Street Address of Well		Present Well Owner <u>Enbridge</u>		Original Well Owner	
1/4	1/4	Section	Township	Range	<input type="checkbox"/> E	Street Address of Well	
<u>SW</u>	<u>NW</u>	<u>9</u>	<u>36 N</u>	<u>7</u>	<input checked="" type="checkbox"/> W		
Grid Location		Local Grid Origin		Street Address or Route of Owner			
Feet	<input type="checkbox"/> N	Feet	<input type="checkbox"/> E				
<input type="checkbox"/> S	<input type="checkbox"/> W	<input type="checkbox"/> (estimated) OR <input checked="" type="checkbox"/> Well Location		City			
Latitude: DEG MIN SEC		Longitude: DEG MIN SEC		State		ZIP Code	
				<u>WI</u>			
Reason For Abandonment <u>decommission/abandon</u>		WI Unique Well No. of Replacement Well					

3. Well / Drillhole / Borehole Information

Monitoring Well
 Water Well
 Borehole / Drillhole

Original Construction Date
03/04/08

If a Well Construction Report is available, please attach.

Construction Type:
 Drilled Driven (Sandpoint) Dug
 Other (specify): _____

Formation Type:
 Unconsolidated Formation Bedrock

Total Well Depth From Groundsurface (ft.) 18 Casing Diameter (in.) 2

Lower Drillhole Diameter (in.) _____ Casing Depth (ft.) _____

Was well annular space grouted? Yes No Unknown

If yes, to what depth (feet)? _____ Depth to Water (feet) _____

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed? Yes No N/A

Liner(s) removed? Yes No N/A

Screen removed? Yes No N/A

Casing left in place? Yes No N/A

Was casing cut off below surface? Yes No N/A

Did sealing material rise to surface? Yes No N/A

Did material settle after 24 hours? Yes No N/A

If yes, was hole retopped? Yes No N/A

If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A

Required Method of Placing Sealing Material
 Conductor Pipe-Gravity Conductor Pipe-Pumped
 Screened & Poured (Bentonite Chips) Other (Explain): _____

Sealing Materials
 Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)
 Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " "
 Concrete Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
 Bentonite Chips Bentonite - Cement Grout
 Granular Bentonite Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
<u>3/8" bentonite chips</u>	Surface	<u>18</u>	<u>34</u>	

6. Comments

7. Supervision of Work **DNR Use Only**

Name of Person or Firm Doing Sealing Work <u>Coleman Engineering Company</u>		Date of Abandonment <u>12/06/16</u>	Date Received	Noted By
Street or Route <u>635 Circle Drive</u>		Telephone Number <u>(906) 774-3440</u>	Comments	
City <u>Iron Mountain</u>	State <u>MI</u>	ZIP Code <u>49801</u>	Signature of Person Doing Work <u>Craig Reed</u>	Date Signed <u>12-15-16</u>

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information **2. Facility / Owner Information**

WI Unique Well No.		DNR Well ID No.		County <i>Rusk</i>		Facility Name <i>Enbridge Mile Post 85</i>	
Common Well Name <i>AS-10</i>				Gov't Lot # (if applicable)		Facility ID	
City, Village or Town <i>Murray Twp</i>		License/Permit/Monitoring No.					
1/4	1/4	Section	Township	Range	<input type="checkbox"/> E <input checked="" type="checkbox"/> W		
<i>SW</i>	<i>NW</i>	<i>9</i>	<i>36 N</i>	<i>7</i>			
Grid Location				Local Grid Origin <input type="checkbox"/>			
Feet <input type="checkbox"/> N <input type="checkbox"/> S		Feet <input type="checkbox"/> E <input type="checkbox"/> W		(estimated) OR <input checked="" type="checkbox"/> Well Location			
Latitude: DEG MIN SEC				Longitude: DEG MIN SEC			
Reason For Abandonment <i>decommission/abandon</i>				WI Unique Well No. of Replacement Well			

3. Well / Drillhole / Borehole Information

<input checked="" type="checkbox"/> Monitoring Well	Original Construction Date <i>03/04/08</i>
<input type="checkbox"/> Water Well	
<input type="checkbox"/> Borehole / Drillhole	
If a Well Construction Report is available, please attach.	
Construction Type:	
<input checked="" type="checkbox"/> Drilled	<input type="checkbox"/> Driven (Sandpoint)
<input type="checkbox"/> Other (specify): _____	
Formation Type:	
<input checked="" type="checkbox"/> Unconsolidated Formation	<input type="checkbox"/> Bedrock
Total Well Depth From Groundsurface (ft.) <i>18</i>	Casing Diameter (in.) <i>2</i>
Lower Drillhole Diameter (in.)	Casing Depth (ft.)
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	
If yes, to what depth (feet)?	Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Liner(s) removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Screen removed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Casing left in place?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Was casing cut off below surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Did material settle after 24 hours?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
If yes, was hole retopped?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Required Method of Placing Sealing Material	
<input type="checkbox"/> Conductor Pipe-Gravity	<input type="checkbox"/> Conductor Pipe-Pumped
<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips)	<input type="checkbox"/> Other (Explain): _____
Sealing Materials	
<input type="checkbox"/> Neat Cement Grout	<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)
<input type="checkbox"/> Sand-Cement (Concrete) Grout	<input type="checkbox"/> Bentonite-Sand Slurry " "
<input type="checkbox"/> Concrete	<input checked="" type="checkbox"/> Bentonite Chips
For Monitoring Wells and Monitoring Well Boreholes Only:	
<input checked="" type="checkbox"/> Bentonite Chips	<input type="checkbox"/> Bentonite - Cement Grout
<input type="checkbox"/> Granular Bentonite	<input type="checkbox"/> Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	<i>18</i>	<i>3/4</i>	-

6. Comments

7. Supervision of Work **DNR Use Only**

Name of Person or Firm Doing Sealing Work <i>Coleman Engineering Co</i>		Date of Abandonment <i>12/06/16</i>		Date Received		Noted By	
Street or Route <i>635 Circle Dr</i>		Telephone Number <i>(906) 774-3440</i>		Comments			
City <i>Iron Mountain</i>		State <i>MI</i>		ZIP Code <i>49801</i>		Signature of Person Doing Work <i>Mary Reid</i>	
						Date Signed <i>12-15-16</i>	

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information **2. Facility / Owner Information**

WI Unique Well No. _____		DNR Well ID No. _____		County Rusk		Facility Name Enbridge Mile Post 85	
Common Well Name AS-11				Gov't Lot # (if applicable) _____		City, Village or Town Murray Twp	
1/4	1/4	Section 9	Township 36 N	Range 7	<input type="checkbox"/> E <input checked="" type="checkbox"/> W		Street Address of Well _____
Grid Location Feet <input type="checkbox"/> N <input type="checkbox"/> S		Feet <input type="checkbox"/> E <input type="checkbox"/> W		<input type="checkbox"/> Local Grid Origin <input type="checkbox"/> (estimated) OR <input checked="" type="checkbox"/> Well Location		Present Well Owner Enbridge	
Latitude: DEG MIN SEC _____		Longitude: DEG MIN SEC _____		City _____		State WI	ZIP Code _____
Reason For Abandonment decommission/abandon				WI Unique Well No. of Replacement Well _____			

3. Well / Drillhole / Borehole Information

Monitoring Well
 Water Well
 Borehole / Drillhole

Original Construction Date
03/04/08

If a Well Construction Report is available, please attach. _____

Construction Type:
 Drilled Driven (Sandpoint) Dug
 Other (specify): _____

Formation Type:
 Unconsolidated Formation Bedrock

Total Well Depth From Groundsurface (ft.) **18** Casing Diameter (in.) **2**

Lower Drillhole Diameter (in.) _____ Casing Depth (ft.) _____

Was well annular space grouted? Yes No Unknown

If yes, to what depth (feet)? _____ Depth to Water (feet) _____

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed? Yes No N/A

Liner(s) removed? Yes No N/A

Screen removed? Yes No N/A

Casing left in place? Yes No N/A

Was casing cut off below surface? Yes No N/A

Did sealing material rise to surface? Yes No N/A

Did material settle after 24 hours? Yes No N/A

If yes, was hole retopped? Yes No N/A

If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A

Required Method of Placing Sealing Material
 Conductor Pipe-Gravity Conductor Pipe-Pumped
 Screened & Poured (Bentonite Chips) Other (Explain): _____

Sealing Materials
 Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)
 Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " "
 Concrete Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
 Bentonite Chips Bentonite - Cement Grout
 Granular Bentonite Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	18	3/4	

6. Comments

7. Supervision of Work **DNR Use Only**

Name of Person or Firm Doing Sealing Work Coleman Engineering Company		Date of Abandonment 12/06/16	Date Received	Noted By
Street or Route 635 Circle Drive		Telephone Number (906) 774-3440	Comments	
City Iron Mountain	State MI	ZIP Code 49801	Signature of Person Doing Work Craig Reich	Date Signed 12-15-16

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information **2. Facility / Owner Information**

WI Unique Well No. _____		DNR Well ID No. _____		County Rusk		Facility Name Enbridge Mile Post 85	
Common Well Name AS-12		Gov't Lot # (if applicable) _____		Facility ID _____		License/Permit/Monitoring No. _____	
City, Village or Town Murry Twp		Street Address of Well _____		Present Well Owner Enbridge		Original Well Owner _____	
1/4 SW	1/4 NW	Section 9	Township 36 N	Range 7	<input type="checkbox"/> E	<input checked="" type="checkbox"/> W	Street Address of Route of Owner _____
Grid Location		Local Grid Origin <input type="checkbox"/>		Well Location <input checked="" type="checkbox"/>		City _____ State WI ZIP Code _____	
Latitude: DEG MIN SEC _____		Longitude: DEG MIN SEC _____		Reason For Abandonment decommission/abandon		WI Unique Well No. of Replacement Well _____	

3. Well / Drillhole / Borehole Information

Monitoring Well
 Water Well
 Borehole / Drillhole

Original Construction Date **03/04/08**

If a Well Construction Report is available, please attach. _____

Construction Type:
 Drilled Driven (Sandpoint) Dug
 Other (specify): _____

Formation Type:
 Unconsolidated Formation Bedrock

Total Well Depth From Groundsurface (ft.) **18** Casing Diameter (in.) **2**

Lower Drillhole Diameter (in.) _____ Casing Depth (ft.) _____

Was well annular space grouted? Yes No Unknown

If yes, to what depth (feet)? _____ Depth to Water (feet) _____

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed? Yes No N/A

Liner(s) removed? Yes No N/A

Screen removed? Yes No N/A

Casing left in place? Yes No N/A

Was casing cut off below surface? Yes No N/A

Did sealing material rise to surface? Yes No N/A

Did material settle after 24 hours? Yes No N/A

If yes, was hole retopped? Yes No N/A

If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A

Required Method of Placing Sealing Material
 Conductor Pipe-Gravity Conductor Pipe-Pumped
 Screened & Poured (Bentonite Chips) Other (Explain): _____

Sealing Materials
 Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)
 Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " "
 Concrete Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
 Bentonite Chips Bentonite - Cement Grout
 Granular Bentonite Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	18	3/4	3/8" bentonite chips

6. Comments

7. Supervision of Work **DNR Use Only**

Name of Person or Firm Doing Sealing Work Coleman Engineering Company		Date of Abandonment 12/06/16		Date Received _____		Noted By _____	
Street or Route 635 Circle Drive		Telephone Number (906) 274-3440		Comments _____			
City Iron Mountain		State MI ZIP Code 49801		Signature of Person Doing Work Gray Rish		Date Signed 12-15-16	

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information

WI Unique Well No.		DNR Well ID No.		County <i>Rusk</i>	
Common Well Name <i>AS-13</i>				Gov't Lot # (if applicable)	
1/4	1/4	Section <i>9</i>	Township <i>36 N</i>	Range <i>7</i>	<input type="checkbox"/> E <input checked="" type="checkbox"/> W
Grid Location		Local Grid Origin			
Feet	<input type="checkbox"/> N <input type="checkbox"/> S	Feet	<input type="checkbox"/> E <input type="checkbox"/> W	<input type="checkbox"/> (estimated) OR <input checked="" type="checkbox"/> Well Location	
Latitude: DEG MIN SEC		Longitude: DEG MIN SEC			

2. Facility / Owner Information

Facility Name <i>Enbridge Mile Post 85</i>		
Facility ID	License/Permit/Monitoring No	City, Village or Town <i>Murray Twp</i>
Street Address of Well		
Present Well Owner <i>Enbridge</i>		Original Well Owner
Street Address or Route of Owner		
City		State <i>WI</i>
ZIP Code		

Reason For Abandonment

decommission/abandon

WI Unique Well No. of Replacement Well

3. Well / Drillhole / Borehole Information

<input checked="" type="checkbox"/> Monitoring Well	Original Construction Date <i>03/04/08</i>
<input type="checkbox"/> Water Well	
<input type="checkbox"/> Borehole / Drillhole	
If a Well Construction Report is available, please attach.	
Construction Type:	
<input checked="" type="checkbox"/> Drilled	<input type="checkbox"/> Driven (Sandpoint)
<input type="checkbox"/> Other (specify): _____	
Formation Type:	
<input checked="" type="checkbox"/> Unconsolidated Formation	<input type="checkbox"/> Bedrock
Total Well Depth From Groundsurface (ft.) <i>18</i>	Casing Diameter (in.) <i>2</i>
Lower Drillhole Diameter (in.)	Casing Depth (ft.)
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	
If yes, to what depth (feet)?	Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Liner(s) removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Screen removed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Casing left in place?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Was casing cut off below surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Did material settle after 24 hours?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
If yes, was hole retopped?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Required Method of Placing Sealing Material	
<input type="checkbox"/> Conductor Pipe-Gravity	<input type="checkbox"/> Conductor Pipe-Pumped
<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips)	<input type="checkbox"/> Other (Explain): _____
Sealing Materials	
<input type="checkbox"/> Neat Cement Grout	<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)
<input type="checkbox"/> Sand-Cement (Concrete) Grout	<input type="checkbox"/> Bentonite-Sand Slurry " "
<input type="checkbox"/> Concrete	<input checked="" type="checkbox"/> Bentonite Chips
For Monitoring Wells and Monitoring Well Boreholes Only:	
<input checked="" type="checkbox"/> Bentonite Chips	<input type="checkbox"/> Bentonite - Cement Grout
<input type="checkbox"/> Granular Bentonite	<input type="checkbox"/> Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	<i>18</i>	<i>3/4</i>	—

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work <i>Coleman Engineering Company</i>		Date of Abandonment <i>12/06/16</i>		DNR Use Only	
Street or Route <i>635 Circle Drive</i>		Telephone Number <i>(906) 774-3440</i>		Date Received	Noted By
City <i>Iron Mountain</i>		State <i>MI</i>		Comments	
ZIP Code <i>49801</i>		Signature of Person Doing Work <i>Craig Reich</i>		Date Signed <i>12-15-16</i>	

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Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information

WI Unique Well No. _____ DNR Well ID No. _____ County Rust
 Common Well Name AS-14 Gov't Lot # (if applicable) _____
 1/4 SW 1/4 NW Section 9 Township 36 N Range 7 E W
 Grid Location
 Feet N S E W Local Grid Origin (estimated) OR Well Location
 Latitude: DEG MIN SEC _____ Longitude: DEG MIN SEC _____
 Reason For Abandonment decommission/abandon WI Unique Well No. of Replacement Well _____

2. Facility / Owner Information

Facility Name Enbridge Mile Post 85
 Facility ID _____ License/Permit/Monitoring No. _____ City, Village or Town Murry Twp
 Street Address of Well _____
 Present Well Owner Enbridge Original Well Owner _____
 Street Address or Route of Owner _____
 City _____ State WI ZIP Code _____

3. Well / Drillhole / Borehole Information

Monitoring Well Water Well Borehole / Drillhole
 Original Construction Date 03/04/08
 If a Well Construction Report is available, please attach. _____
 Construction Type:
 Drilled Driven (Sandpoint) Dug
 Other (specify): _____
 Formation Type:
 Unconsolidated Formation Bedrock
 Total Well Depth From Groundsurface (ft.) 18 Casing Diameter (in.) 2
 Lower Drillhole Diameter (in.) _____ Casing Depth (ft.) _____
 Was well annular space grouted? Yes No Unknown
 If yes, to what depth (feet)? _____ Depth to Water (feet) _____

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed? Yes No N/A
 Liner(s) removed? Yes No N/A
 Screen removed? Yes No N/A
 Casing left in place? Yes No N/A
 Was casing cut off below surface? Yes No N/A
 Did sealing material rise to surface? Yes No N/A
 Did material settle after 24 hours? Yes No N/A
 If yes, was hole retopped? Yes No N/A
 If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A
 Required Method of Placing Sealing Material
 Conductor Pipe-Gravity Conductor Pipe-Pumped
 Screened & Poured (Bentonite Chips) Other (Explain): _____
 Sealing Materials
 Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)
 Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " "
 Concrete Bentonite Chips
 For Monitoring Wells and Monitoring Well Boreholes Only:
 Bentonite Chips Bentonite - Cement Grout
 Granular Bentonite Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	18	3/4	-

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work		Date of Abandonment	DNR Use Only	
<u>Coleman Engineering Company</u>		<u>12/06/16</u>	Date Received	Noted By
Street or Route <u>635 Circle Dr.</u>		Telephone Number <u>(906) 774-3440</u>	Comments	
City <u>Iron Mountain</u>	State <u>MI</u>	ZIP Code <u>49801</u>	Signature of Person Doing Work <u>Craig Reed</u>	Date Signed <u>12-15-16</u>

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information

WI Unique Well No.		DNR Well ID No.		County Rusk	
Common Well Name AS-15			Gov't Lot # (if applicable)		
1/4	1/4	Section	Township	Range	Range
SW	NW	9	36 N	7	<input type="checkbox"/> E <input checked="" type="checkbox"/> W
Grid Location			Local Grid Origin		
Feet	<input type="checkbox"/> N	Feet	<input type="checkbox"/> E	<input type="checkbox"/> (estimated) OR <input checked="" type="checkbox"/> Well Location	
<input type="checkbox"/> S	<input type="checkbox"/> W				
Latitude: DEG MIN SEC		Longitude: DEG MIN SEC			

2. Facility / Owner Information

Facility Name Enbridge Mile Post 85		
Facility ID	License/Permit/Monitoring No.	City, Village or Town Murry Twp
Street Address of Well		
Present Well Owner Enbridge		Original Well Owner
Street Address or Route of Owner		
City	State WI	ZIP Code

Reason For Abandonment: **decommission/abandon** WI Unique Well No. of Replacement Well: _____

3. Well / Drillhole / Borehole Information

<input checked="" type="checkbox"/> Monitoring Well	Original Construction Date 03/04/08
<input type="checkbox"/> Water Well	
<input type="checkbox"/> Borehole / Drillhole	
If a Well Construction Report is available, please attach.	
Construction Type:	
<input checked="" type="checkbox"/> Drilled	<input type="checkbox"/> Driven (Sandpoint)
<input type="checkbox"/> Other (specify): _____	<input type="checkbox"/> Dug
Formation Type:	
<input checked="" type="checkbox"/> Unconsolidated Formation	<input type="checkbox"/> Bedrock
Total Well Depth From Groundsurface (ft.) 18	Casing Diameter (in.) 2
Lower Drillhole Diameter (in.)	Casing Depth (ft.)
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	
If yes, to what depth (feet)?	Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Liner(s) removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Screen removed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Casing left in place?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Was casing cut off below surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Did material settle after 24 hours?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
If yes, was hole retopped?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Required Method of Placing Sealing Material	
<input type="checkbox"/> Conductor Pipe-Gravity	<input type="checkbox"/> Conductor Pipe-Pumped
<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips)	<input type="checkbox"/> Other (Explain): _____
Sealing Materials	
<input type="checkbox"/> Neat Cement Grout	<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)
<input type="checkbox"/> Sand-Cement (Concrete) Grout	<input type="checkbox"/> Bentonite-Sand Slurry " "
<input type="checkbox"/> Concrete	<input checked="" type="checkbox"/> Bentonite Chips
For Monitoring Wells and Monitoring Well Boreholes Only:	
<input checked="" type="checkbox"/> Bentonite Chips	<input type="checkbox"/> Bentonite - Cement Grout
<input type="checkbox"/> Granular Bentonite	<input type="checkbox"/> Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	18	3/4	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work Coleman Engineering Company		Date of Abandonment 12/06/16	DNR Use Only	
Street or Route 635 Circle Drive		Telephone Number (906) 774-3440	Date Received	Noted By
City Iron Mountain	State MI	ZIP Code 49801	Signature of Person Doing Work Craig Reid	
			Date Signed 12-15-16	

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information

WI Unique Well No.		DNR Well ID No.		County <i>Rusk</i>	
Common Well Name <i>AS-16</i>				Gov't Lot # (if applicable)	
¼ / ¼ <i>SW</i>	¼ <i>NW</i>	Section <i>9</i>	Township <i>36 N</i>	Range <i>7</i>	<input type="checkbox"/> E <input checked="" type="checkbox"/> W
Grid Location			<input type="checkbox"/> Local Grid Origin		
Feet <input type="checkbox"/> N	Feet <input type="checkbox"/> E	<input type="checkbox"/> (estimated) OR <input checked="" type="checkbox"/> Well Location			
Feet <input type="checkbox"/> S	Feet <input type="checkbox"/> W				
Latitude: DEG MIN SEC			Longitude: DEG MIN SEC		

2. Facility / Owner Information

Facility Name <i>Enbridge Mile Post 85</i>		
Facility ID	License/Permit/Monitoring No.	City, Village or Town <i>Murry Twp</i>
Street Address of Well		
Present Well Owner <i>Enbridge</i>		Original Well Owner
Street Address or Route of Owner		
City	State <i>WI</i>	ZIP Code

Reason For Abandonment *decommission/abandon* WI Unique Well No. of Replacement Well _____

3. Well / Drillhole / Borehole Information

<input checked="" type="checkbox"/> Monitoring Well	Original Construction Date <i>03/04/08</i>
<input type="checkbox"/> Water Well	
<input type="checkbox"/> Borehole / Drillhole	
If a Well Construction Report is available, please attach.	
Construction Type:	
<input checked="" type="checkbox"/> Drilled	<input type="checkbox"/> Driven (Sandpoint)
<input type="checkbox"/> Other (specify): _____	
Formation Type:	
<input checked="" type="checkbox"/> Unconsolidated Formation	<input type="checkbox"/> Bedrock
Total Well Depth From Groundsurface (ft.) <i>18</i>	Casing Diameter (in.) <i>2</i>
Lower Drillhole Diameter (in.)	Casing Depth (ft.)
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	
If yes, to what depth (feet)?	Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Liner(s) removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Screen removed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Casing left in place?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Was casing cut off below surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Did material settle after 24 hours?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
If yes, was hole retopped?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Required Method of Placing Sealing Material	
<input type="checkbox"/> Conductor Pipe-Gravity	<input type="checkbox"/> Conductor Pipe-Pumped
<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips)	<input type="checkbox"/> Other (Explain): _____
Sealing Materials	
<input type="checkbox"/> Neat Cement Grout	<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)
<input type="checkbox"/> Sand-Cement (Concrete) Grout	<input type="checkbox"/> Bentonite-Sand Slurry " "
<input type="checkbox"/> Concrete	<input checked="" type="checkbox"/> Bentonite Chips
For Monitoring Wells and Monitoring Well Boreholes Only:	
<input checked="" type="checkbox"/> Bentonite Chips	<input type="checkbox"/> Bentonite - Cement Grout
<input type="checkbox"/> Granular Bentonite	<input type="checkbox"/> Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	<i>18</i>	<i>3/4</i>	<i>-</i>

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work <i>Coleman Engineering Company</i>		Date of Abandonment <i>12/06/16</i>	DNR Use Only	
Street or Route <i>635 Circle Drive</i>		Telephone Number <i>(906) 774-3440</i>	Date Received	Noted By
City <i>Iron Mountain</i>	State <i>MI</i>	ZIP Code <i>49801</i>	Signature of Person Doing Work <i>Gray Rieder</i>	
			Date Signed <i>12-15-16</i>	

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information **2. Facility / Owner Information**

WI Unique Well No. _____		DNR Well ID No. _____		County <u>Rusk</u>		Facility Name <u>Enbridge Mile Post 85</u>	
Common Well Name <u>AS-17</u>		Gov't Lot # (if applicable) _____		Facility ID _____		License/Permit/Monitoring No. _____	
City, Village or Town <u>Murray Twp</u>		Street Address of Well _____		Present Well Owner <u>Enbridge</u>		Original Well Owner _____	
1/4	1/4	Section <u>9</u>	Township <u>36 N</u>	Range <u>7</u>	<input type="checkbox"/> E	Street Address or Route of Owner _____	
<u>SW</u>	<u>NW</u>				<input checked="" type="checkbox"/> W	City _____ State <u>WI</u> ZIP Code _____	
Grid Location		Local Grid Origin <input type="checkbox"/>		Street Address or Route of Owner _____		City _____ State <u>WI</u> ZIP Code _____	
Feet <input type="checkbox"/> N	Feet <input type="checkbox"/> E	<input type="checkbox"/> (estimated) OR <input checked="" type="checkbox"/> Well Location		City _____ State <u>WI</u> ZIP Code _____		City _____ State <u>WI</u> ZIP Code _____	
<input type="checkbox"/> S	<input type="checkbox"/> W			City _____ State <u>WI</u> ZIP Code _____		City _____ State <u>WI</u> ZIP Code _____	
Latitude: DEG MIN SEC _____		Longitude: DEG MIN SEC _____		City _____ State <u>WI</u> ZIP Code _____		City _____ State <u>WI</u> ZIP Code _____	
Reason For Abandonment <u>decommission abandon</u>		WI Unique Well No. of Replacement Well _____		City _____ State <u>WI</u> ZIP Code _____		City _____ State <u>WI</u> ZIP Code _____	

3. Well / Drillhole / Borehole Information **4. Pump, Liner, Screen, Casing & Sealing Material**

<input checked="" type="checkbox"/> Monitoring Well		Original Construction Date <u>03/04/08</u>		Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Water Well		If a Well Construction Report is available, please attach. _____		Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Borehole / Drillhole				Screen removed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Construction Type:				Casing left in place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Drilled		<input type="checkbox"/> Driven (Sandpoint)		Was casing cut off below surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input type="checkbox"/> Other (specify): _____		<input type="checkbox"/> Dug		Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Formation Type:		<input checked="" type="checkbox"/> Unconsolidated Formation		Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
<input type="checkbox"/> Bedrock				If yes, was hole retopped? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Total Well Depth From Groundsurface (ft.) <u>18</u>		Casing Diameter (in.) <u>2</u>		If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Lower Drillhole Diameter (in.) _____		Casing Depth (ft.) _____		Required Method of Placing Sealing Material	
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown				<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
If yes, to what depth (feet)? _____		Depth to Water (feet) _____		<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____	
				Sealing Materials	
				<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)	
				<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " "	
				<input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Bentonite Chips	
				For Monitoring Wells and Monitoring Well Boreholes Only:	
				<input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout	
				<input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry	

5. Material Used To Fill Well / Drillhole			
From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	18	3/4	-

6. Comments

7. Supervision of Work		DNR Use Only	
Name of Person or Firm Doing Sealing Work <u>Coleman Engineering Company</u>		Date of Abandonment <u>12/06/16</u>	Date Received _____
Street or Route <u>635 Circle Drive</u>		Telephone Number <u>(906)774-3440</u>	Noted By _____
City <u>Iron Mountain</u>		Signature of Person Doing Work <u>Craig Rusk</u>	Comments _____
State <u>MI</u>	ZIP Code <u>49801</u>	Date Signed <u>12-15-16</u>	

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information **2. Facility / Owner Information**

WI Unique Well No. _____		DNR Well ID No. _____		County <u>Rusk</u>		Facility Name <u>Enbridge Mile Post 85</u>	
Common Well Name <u>AS-18</u>				Gov't Lot # (if applicable) _____		Facility ID _____	
License/Permit/Monitoring No. _____		City, Village or Town <u>Murray Twp</u>					
1/4	1/4	Section	Township	Range	<input type="checkbox"/> E	Street Address of Well _____	
<u>SW</u>	<u>NW</u>	<u>9</u>	<u>36 N</u>	<u>7</u>	<input checked="" type="checkbox"/> W	Present Well Owner <u>Enbridge</u>	
Grid Location		Local Grid Origin		Original Well Owner _____			
Feet	<input type="checkbox"/> N	Feet	<input type="checkbox"/> E	Street Address or Route of Owner _____			
<input type="checkbox"/> S	<input type="checkbox"/> W	(estimated) OR <input type="checkbox"/> Well Location		City _____ State <u>WI</u> ZIP Code _____			
Latitude: DEG MIN SEC _____ N		Longitude: DEG MIN SEC _____ W		Reason For Abandonment <u>decommission/abandon</u>			
WI Unique Well No. of Replacement Well _____							

3. Well / Drillhole / Borehole Information

Monitoring Well
 Water Well
 Borehole / Drillhole

Original Construction Date 03/05/08

If a Well Construction Report is available, please attach. _____

Construction Type:
 Drilled Driven (Sandpoint) Dug
 Other (specify): _____

Formation Type:
 Unconsolidated Formation Bedrock

Total Well Depth From Groundsurface (ft.) 18 Casing Diameter (in.) 2

Lower Drillhole Diameter (in.) _____ Casing Depth (ft.) _____

Was well annular space grouted? Yes No Unknown

If yes, to what depth (feet)? _____ Depth to Water (feet) _____

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed? Yes No N/A
 Liner(s) removed? Yes No N/A
 Screen removed? Yes No N/A
 Casing left in place? Yes No N/A

Was casing cut off below surface? Yes No N/A
 Did sealing material rise to surface? Yes No N/A
 Did material settle after 24 hours? Yes No N/A
 If yes, was hole retopped? Yes No N/A
 If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A

Required Method of Placing Sealing Material
 Conductor Pipe-Gravity Conductor Pipe-Pumped
 Screened & Poured (Bentonite Chips) Other (Explain): _____

Sealing Materials
 Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)
 Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " "
 Concrete Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
 Bentonite Chips Bentonite - Cement Grout
 Granular Bentonite Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	<u>18</u>	<u>3/4</u>	—

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work <u>Coleman Engineering Company</u>		Date of Abandonment <u>12/06/16</u>	Date Received _____		Noted By _____	
Street or Route <u>635 Circle Drive</u>		Telephone Number <u>(906) 774-3440</u>	Comments _____			
City <u>Iron Mountain</u>	State <u>MI</u>	ZIP Code <u>49801</u>	Signature of Person Doing Work <u>Craig Ried</u>		Date Signed <u>12-15-16</u>	

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information **2. Facility / Owner Information**

WI Unique Well No. _____ DNR Well ID No. _____ County Rusk Facility Name Enbridge Mile Post 85

Common Well Name AS-19 Gov't Lot # (if applicable) _____ Facility ID _____ License/Permit/Monitoring No. _____ City, Village or Town Murray Twp

1/4 / 1/4 SW / NW Section 9 Township 36 N Range 7 E W Street Address of Well _____

Grid Location: Feet N S E W Local Grid Origin (estimated) OR Well Location Present Well Owner Enbridge Original Well Owner _____

Street Address or Route of Owner _____ City _____ State WI ZIP Code _____

Latitude: DEG MIN SEC _____ Longitude: DEG MIN SEC _____

Reason For Abandonment decommission/abandon WI Unique Well No. of Replacement Well _____

3. Well / Drillhole / Borehole Information **4. Pump, Liner, Screen, Casing & Sealing Material**

Monitoring Well Water Well Borehole / Drillhole Original Construction Date 03/05/08
 If a Well Construction Report is available, please attach. _____

Construction Type: Drilled Driven (Sandpoint) Dug Other (specify): _____
 Formation Type: Unconsolidated Formation Bedrock

Total Well Depth From Groundsurface (ft.) 18 Casing Diameter (in.) 2
 Lower Drillhole Diameter (in.) _____ Casing Depth (ft.) _____

Was well annular space grouted? Yes No Unknown
 If yes, to what depth (feet)? _____ Depth to Water (feet) _____

Required Method of Placing Sealing Material: Conductor Pipe-Gravity Conductor Pipe-Pumped Screened & Poured (Bentonite Chips) Other (Explain): _____
 Sealing Materials: Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.) Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " " Concrete Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only: Bentonite Chips Bentonite - Cement Grout Granular Bentonite Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
<u>3/8" bentonite chips</u>	<u>Surface</u>	<u>18</u>	<u>3/4</u>	<u>-</u>

6. Comments

7. Supervision of Work **DNR Use Only**

Name of Person or Firm Doing Sealing Work Coleman Engineering Company Date of Abandonment 12/06/16 Date Received _____ Noted By _____

Street or Route 635 Circle Drive Telephone Number (906) 774-3440 Comments _____

City Iron Mountain State MI ZIP Code 49801 Signature of Person Doing Work Craig Reed Date Signed 12-15-16

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information **2. Facility / Owner Information**

WI Unique Well No.		DNR Well ID No.		County <i>Rusk</i>		Facility Name <i>Enbridge Mile Post 85</i>	
Common Well Name <i>AS-20</i>				Gov't Lot # (if applicable)		Facility ID	
License/Permit/Monitoring No.		City, Village or Town <i>Murray Twp</i>					
$\frac{1}{4}$ / $\frac{1}{4}$ <i>SW</i>	$\frac{1}{4}$ <i>NW</i>	Section <i>9</i>	Township <i>36 N</i>	Range <i>7</i>	<input type="checkbox"/> E <input checked="" type="checkbox"/> W		
Grid Location		Local Grid Origin					
Feet	<input type="checkbox"/> N	Feet	<input type="checkbox"/> E	<input type="checkbox"/> (estimated) OR <input checked="" type="checkbox"/> Well Location			
<input type="checkbox"/> S	<input type="checkbox"/> W						
Latitude: DEG MIN SEC		Longitude: DEG MIN SEC					
		N				W	
Reason For Abandonment <i>decommission/abandon</i>				WI Unique Well No. of Replacement Well			

3. Well / Drillhole / Borehole Information

Monitoring Well
 Water Well
 Borehole / Drillhole

Original Construction Date
03/05/08

If a Well Construction Report is available, please attach.

Construction Type:
 Drilled Driven (Sandpoint) Dug
 Other (specify): _____

Formation Type:
 Unconsolidated Formation Bedrock

Total Well Depth From Groundsurface (ft.) *18* Casing Diameter (in.) *2*

Lower Drillhole Diameter (in.) Casing Depth (ft.)

Was well annular space grouted? Yes No Unknown

If yes, to what depth (feet)? Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed? Yes No N/A

Liner(s) removed? Yes No N/A

Screen removed? Yes No N/A

Casing left in place? Yes No N/A

Was casing cut off below surface? Yes No N/A

Did sealing material rise to surface? Yes No N/A

Did material settle after 24 hours? Yes No N/A

If yes, was hole retopped? Yes No N/A

If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A

Required Method of Placing Sealing Material

Conductor Pipe-Gravity Conductor Pipe-Pumped

Screened & Poured (Bentonite Chips) Other (Explain): _____

Sealing Materials

Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)

Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " "

Concrete Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:

Bentonite Chips Bentonite - Cement Grout

Granular Bentonite Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	<i>18</i>	<i>3/4</i>	

6. Comments

7. Supervision of Work **DNR Use Only**

Name of Person or Firm Doing Sealing Work <i>Coleman Engineering Company</i>		Date of Abandonment <i>12/06/16</i>		Date Received		Noted By	
Street or Route <i>635 Circle Drive</i>		Telephone Number <i>(906) 774-3440</i>		Comments			
City <i>Iron Mountain</i>		State <i>MI</i>		ZIP Code <i>49801</i>		Signature of Person Doing Work <i>Craig Ried</i>	
						Date Signed <i>12-15-16</i>	

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information **2. Facility / Owner Information**

WI Unique Well No. _____		DNR Well ID No. _____		County <u>Rusk</u>		Facility Name <u>Enbridge Mile Post 85</u>	
Common Well Name <u>AS-21</u>				Gov't Lot # (if applicable) _____		Facility ID _____	
License/Permit/Monitoring No. _____		City, Village or Town <u>Murry Twp</u>					
1/4 1/4 <u>SW</u>	1/4 <u>NW</u>	Section <u>9</u>	Township <u>36 N</u>	Range <u>7</u>	<input type="checkbox"/> E	Street Address of Well _____	
						<input checked="" type="checkbox"/> W	
Grid Location				Present Well Owner <u>Enbridge</u>			
Feet <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W				Original Well Owner _____			
<input type="checkbox"/> Local Grid Origin				Street Address or Route of Owner _____			
<input type="checkbox"/> (estimated) OR <input checked="" type="checkbox"/> Well Location				City _____ State <u>WI</u> ZIP Code _____			
Latitude: DEG MIN SEC _____		Longitude: DEG MIN SEC _____					
N _____		W _____					
Reason For Abandonment <u>decommission/abandon</u>				WI Unique Well No. of Replacement Well _____			

3. Well / Drillhole / Borehole Information **4. Pump, Liner, Screen, Casing & Sealing Material**

<input checked="" type="checkbox"/> Monitoring Well		Original Construction Date <u>03/05/08</u>		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Water Well		If a Well Construction Report is available, please attach.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Borehole / Drillhole				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Construction Type:					
<input checked="" type="checkbox"/> Drilled		<input type="checkbox"/> Driven (Sandpoint)		<input type="checkbox"/> Dug	
<input type="checkbox"/> Other (specify): _____					
Formation Type:					
<input checked="" type="checkbox"/> Unconsolidated Formation		<input type="checkbox"/> Bedrock			
Total Well Depth From Groundsurface (ft.) <u>17</u>		Casing Diameter (in.) <u>2</u>			
Lower Drillhole Diameter (in.) _____		Casing Depth (ft.) _____			
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown					
If yes, to what depth (feet)? _____		Depth to Water (feet) _____			
Required Method of Placing Sealing Material					
<input type="checkbox"/> Conductor Pipe-Gravity		<input type="checkbox"/> Conductor Pipe-Pumped			
<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____					
Sealing Materials					
<input type="checkbox"/> Neat Cement Grout		<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)			
<input type="checkbox"/> Sand-Cement (Concrete) Grout		<input type="checkbox"/> Bentonite-Sand Slurry " "			
<input type="checkbox"/> Concrete		<input checked="" type="checkbox"/> Bentonite Chips			
For Monitoring Wells and Monitoring Well Boreholes Only:					
<input checked="" type="checkbox"/> Bentonite Chips		<input type="checkbox"/> Bentonite - Cement Grout			
<input type="checkbox"/> Granular Bentonite		<input type="checkbox"/> Bentonite - Sand Slurry			

5. Material Used To Fill Well / Drillhole			
From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	<u>18</u>	<u>3/4</u>	<u>-</u>

6. Comments

7. Supervision of Work **DNR Use Only**

Name of Person or Firm Doing Sealing Work <u>Coleman Engineering Company</u>		Date of Abandonment <u>12/06/16</u>		Date Received _____		Noted By _____	
Street or Route <u>635 Circle Drive</u>		Telephone Number <u>(906) 774-3440</u>		Comments _____			
City <u>Iron Mountain</u>		State <u>MI</u> ZIP Code <u>49801</u>		Signature of Person Doing Work <u>Craig Reid</u>		Date Signed <u>12-15-16</u>	

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information **2. Facility / Owner Information**

WI Unique Well No. _____		DNR Well ID No. _____		County <u>Rusk</u>		Facility Name <u>Enbridge Mile Post 85</u>	
Common Well Name <u>AS-22</u>				Gov't Lot # (if applicable) _____		Facility ID _____	
License/Permit/Monitoring No. _____		City, Village or Town <u>Murray Twp</u>					
1/4 1/4 <u>SW</u>	1/4 <u>NW</u>	Section <u>9</u>	Township <u>36 N</u>	Range <u>7</u>	<input type="checkbox"/> E	Street Address of Well _____	
						<input checked="" type="checkbox"/> W	
Grid Location				Present Well Owner <u>Enbridge</u>			
Feet <input type="checkbox"/> N	Feet <input type="checkbox"/> E	<input type="checkbox"/> Local Grid Origin		Original Well Owner _____			
<input type="checkbox"/> S	<input type="checkbox"/> W	<input type="checkbox"/> (estimated) OR		<input checked="" type="checkbox"/> Well Location			
Latitude: DEG MIN SEC _____		Longitude: DEG MIN SEC _____		City _____		State <u>WI</u>	ZIP Code _____
Reason For Abandonment <u>decommission/abandon</u>		WI Unique Well No. of Replacement Well _____					

3. Well / Drillhole / Borehole Information

Monitoring Well
 Water Well
 Borehole / Drillhole

Original Construction Date 03/05/08

If a Well Construction Report is available, please attach.

Construction Type:
 Drilled Driven (Sandpoint) Dug
 Other (specify): _____

Formation Type:
 Unconsolidated Formation Bedrock

Total Well Depth From Groundsurface (ft.) 15 Casing Diameter (in.) 2

Lower Drillhole Diameter (in.) _____ Casing Depth (ft.) _____

Was well annular space grouted? Yes No Unknown

If yes, to what depth (feet)? _____ Depth to Water (feet) _____

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed? Yes No N/A

Liner(s) removed? Yes No N/A

Screen removed? Yes No N/A

Casing left in place? Yes No N/A

Was casing cut off below surface? Yes No N/A

Did sealing material rise to surface? Yes No N/A

Did material settle after 24 hours?
 If yes, was hole retopped? Yes No N/A

If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A

Required Method of Placing Sealing Material
 Conductor Pipe-Gravity Conductor Pipe-Pumped
 Screened & Poured (Bentonite Chips) Other (Explain): _____

Sealing Materials
 Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)
 Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " "
 Concrete Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
 Bentonite Chips Bentonite - Cement Grout
 Granular Bentonite Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	18	<u>3/4</u>	-

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work <u>Coleman Engineering Company</u>		Date of Abandonment <u>12/06/16</u>	Date Received _____		Noted By _____
Street or Route <u>635 Circle Drive</u>		Telephone Number <u>(906) 774-3440</u>	Comments _____		
City <u>Iron Mountain</u>	State <u>MI</u>	ZIP Code <u>49801</u>	Signature of Person Doing Work <u>Craig Reid</u>	Date Signed <u>12-15-16</u>	

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information

WI Unique Well No. _____ DNR Well ID No. _____ County Rusk

Common Well Name AS-N1 Gov't Lot # (if applicable) _____

1/4 SW 1/4 NW Section 9 Township 36 N Range 7 E W

Grid Location
 Feet N S E W Local Grid Origin (estimated) OR Well Location

Latitude: DEG MIN SEC _____ Longitude: DEG MIN SEC _____

2. Facility / Owner Information

Facility Name Enbridge Mile Post 85

Facility ID _____ License/Permit/Monitoring No. _____ City, Village or Town Murray Twp

Street Address of Well _____

Present Well Owner Enbridge Original Well Owner _____

Street Address or Route of Owner _____

City _____ State WI ZIP Code _____

Reason For Abandonment decommission/abandon WI Unique Well No. of Replacement Well _____

3. Well / Drillhole / Borehole Information

Monitoring Well Water Well Borehole / Drillhole

Original Construction Date _____

If a Well Construction Report is available, please attach. _____

Construction Type:
 Drilled Driven (Sandpoint) Dug Other (specify): _____

Formation Type:
 Unconsolidated Formation Bedrock

Total Well Depth From Groundsurface (ft.) 23.70 Casing Diameter (in.) 2

Lower Drillhole Diameter (in.) _____ Casing Depth (ft.) _____

Was well annular space grouted? Yes No Unknown

If yes, to what depth (feet)? _____ Depth to Water (feet) 7.6

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed? Yes No N/A

Liner(s) removed? Yes No N/A

Screen removed? Yes No N/A

Casing left in place? Yes No N/A

Was casing cut off below surface? Yes No N/A

Did sealing material rise to surface? Yes No N/A

Did material settle after 24 hours? Yes No N/A

If yes, was hole retopped? Yes No N/A

If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A

Required Method of Placing Sealing Material
 Conductor Pipe-Gravity Conductor Pipe-Pumped
 Screened & Poured (Bentonite Chips) Other (Explain): _____

Sealing Materials
 Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)
 Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " "
 Concrete Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
 Bentonite Chips Bentonite - Cement Grout
 Granular Bentonite Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	23.70	3/4	-

6. Comments

7. Supervision of Work

Supervision of Work		DNR Use Only	
Name of Person or Firm Doing Sealing Work <u>Coleman Engineering Company</u>	Date of Abandonment <u>12/07/16</u>	Date Received	Noted By
Street or Route <u>635 Circle Drive</u>	Telephone Number <u>(908) 774-3440</u>	Comments	
City <u>Iron Mountain</u>	State <u>MI</u>	ZIP Code <u>49801</u>	Signature of Person Doing Work <u>Greg Ried</u>
			Date Signed <u>12-15-16</u>

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information				2. Facility / Owner Information																			
WI Unique Well No. _____		DNR Well ID No. _____		County <u>Rusk</u>		Facility Name <u>Enbridge Mile Post 85</u>																	
Common Well Name <u>AS-NZ</u>		Gov't Lot # (if applicable) _____		Facility ID _____		License/Permit/Monitoring No. _____																	
City, Village or Town <u>Murry Twp</u>		Street Address of Well _____		Present Well Owner <u>Enbridge</u>		Original Well Owner _____																	
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>1/4</td><td>1/4</td><td>Section</td><td>Township</td><td>Range</td><td><input type="checkbox"/> E</td> </tr> <tr> <td><u>SW</u></td><td><u>NW</u></td><td><u>9</u></td><td><u>36 N</u></td><td><u>7</u></td><td><input checked="" type="checkbox"/> W</td> </tr> </table>		1/4	1/4	Section	Township	Range	<input type="checkbox"/> E	<u>SW</u>	<u>NW</u>	<u>9</u>	<u>36 N</u>	<u>7</u>	<input checked="" type="checkbox"/> W	<input type="checkbox"/> Local Grid Origin <input type="checkbox"/> (estimated) OR <input checked="" type="checkbox"/> Well Location		Street Address or Route of Owner _____		City _____ State <u>WI</u> ZIP Code _____					
1/4	1/4	Section	Township	Range	<input type="checkbox"/> E																		
<u>SW</u>	<u>NW</u>	<u>9</u>	<u>36 N</u>	<u>7</u>	<input checked="" type="checkbox"/> W																		
Reason For Abandonment <u>decommission/abandon</u>		WI Unique Well No. of Replacement Well _____		4. Pump, Liner, Screen, Casing & Sealing Material																			
3. Well / Drillhole / Borehole Information <input checked="" type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Borehole / Drillhole Original Construction Date _____ If a Well Construction Report is available, please attach.				Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Screen removed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A Casing left in place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Was casing cut off below surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A If yes, was hole retopped? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A																			
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (specify): _____				Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____																			
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock				Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " " <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Bentonite Chips																			
Total Well Depth From Groundsurface (ft.) <u>23.92</u>		Casing Diameter (in.) <u>2</u>		For Monitoring Wells and Monitoring Well Boreholes Only: <input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry																			
Lower Drillhole Diameter (in.) _____		Casing Depth (ft.) _____		5. Material Used To Fill Well / Drillhole <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>From (ft.)</th> <th>To (ft.)</th> <th>No. Yards, Sacks Sealant or Volume (circle one)</th> <th>Mix Ratio or Mud Weight</th> </tr> </thead> <tbody> <tr> <td>Surface</td> <td>23.92</td> <td>1</td> <td>-</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight	Surface	23.92	1	-								
From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight																				
Surface	23.92	1	-																				
Was well annular space grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown				If yes, to what depth (feet)? _____ Depth to Water (feet) <u>7.55</u>																			
6. Comments _____ _____				7. Supervision of Work <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Supervision of Work</th> <th colspan="2">DNR Use Only</th> </tr> </thead> <tbody> <tr> <td colspan="2">Name of Person or Firm Doing Sealing Work <u>Coleman Engineering Company</u></td> <td>Date of Abandonment <u>12/07/16</u></td> <td>Date Received _____</td> </tr> <tr> <td colspan="2">Street or Route <u>635 Circle Drive</u></td> <td>Telephone Number <u>(900) 774-3440</u></td> <td>Noted By _____</td> </tr> <tr> <td colspan="2">City <u>Iron Mountain</u> State <u>MI</u> ZIP Code <u>49801</u></td> <td>Signature of Person Doing Work <u>Greg Risch</u></td> <td>Date Signed <u>12-15-16</u></td> </tr> </tbody> </table>				Supervision of Work		DNR Use Only		Name of Person or Firm Doing Sealing Work <u>Coleman Engineering Company</u>		Date of Abandonment <u>12/07/16</u>	Date Received _____	Street or Route <u>635 Circle Drive</u>		Telephone Number <u>(900) 774-3440</u>	Noted By _____	City <u>Iron Mountain</u> State <u>MI</u> ZIP Code <u>49801</u>		Signature of Person Doing Work <u>Greg Risch</u>	Date Signed <u>12-15-16</u>
Supervision of Work		DNR Use Only																					
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Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information **2. Facility / Owner Information**

WI Unique Well No. _____		DNR Well ID No. _____		County <u>Rusk</u>		Facility Name <u>Enbridge Mile Post 85</u>	
Common Well Name <u>AS-N3</u>				Gov't Lot # (if applicable) _____		City, Village or Town <u>Murry Twp</u>	
1/4	1/4	Section	Township	Range	<input type="checkbox"/> E	Street Address of Well _____	
<u>SW</u>	<u>NW</u>	<u>9</u>	<u>36 N</u>	<u>7</u>	<input checked="" type="checkbox"/> W	Present Well Owner <u>Enbridge</u> Original Well Owner _____	
Grid Location		<input type="checkbox"/> Local Grid Origin		Street Address or Route of Owner _____			
Feet	<input type="checkbox"/> N	Feet	<input type="checkbox"/> E	City _____ State <u>WI</u> ZIP Code _____			
<input type="checkbox"/> S	<input type="checkbox"/> W	<input type="checkbox"/> (estimated) OR <input checked="" type="checkbox"/> Well Location		Reason For Abandonment <u>decommission/abandon</u> WI Unique Well No. of Replacement Well _____			
Latitude: DEG MIN SEC	Longitude: DEG MIN SEC		City _____ State <u>WI</u> ZIP Code _____				
_____ N		_____ W		Reason For Abandonment <u>decommission/abandon</u> WI Unique Well No. of Replacement Well _____			

3. Well / Drillhole / Borehole Information

Monitoring Well Water Well Borehole / Drillhole

Original Construction Date 03/12/08

If a Well Construction Report is available, please attach. _____

Construction Type:

Drilled Driven (Sandpoint) Dug

Other (specify): _____

Formation Type:

Unconsolidated Formation Bedrock

Total Well Depth From Groundsurface (ft.) 21.53 Casing Diameter (in.) 2

Lower Drillhole Diameter (in.) _____ Casing Depth (ft.) _____

Was well annular space grouted? Yes No Unknown

If yes, to what depth (feet)? _____ Depth to Water (feet) dry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	<u>21.53</u>	<u>3/4</u>	-

6. Comments

7. Supervision of Work **DNR Use Only**

Name of Person or Firm Doing Sealing Work <u>Coleman Engineering Company</u>		Date of Abandonment <u>12/07/16</u>		Date Received _____		Noted By _____	
Street or Route <u>635 Circle Drive</u>		Telephone Number <u>(906)774-3440</u>		Comments _____			
City <u>Iron Mountain</u>		State <u>MI</u> ZIP Code <u>49801</u>		Signature of Person Doing Work <u>Gary Rich</u>		Date Signed <u>12-15-16</u>	

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Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information **2. Facility / Owner Information**

WI Unique Well No.		DNR Well ID No.		County <i>Rusk</i>		Facility Name <i>Enbridge Mile Post 85</i>	
Common Well Name <i>AS-N4</i>				Gov't Lot # (if applicable)		License/Permit/Monitoring No. City, Village or Town <i>Murray Twp</i>	
1/4	1/4	Section	Township	Range	<input type="checkbox"/> E <input checked="" type="checkbox"/> W	Street Address of Well	
<i>SW</i>	<i>NW</i>	<i>9</i>	<i>36 N</i>	<i>7</i>			
Grid Location				Present Well Owner <i>Enbridge</i>			
Feet	<input type="checkbox"/> N <input type="checkbox"/> S	Feet	<input type="checkbox"/> E <input type="checkbox"/> W	<input type="checkbox"/> Local Grid Origin <input type="checkbox"/> (estimated) OR <input checked="" type="checkbox"/> Well Location		Original Well Owner	
Latitude: DEG MIN SEC		Longitude: DEG MIN SEC		Street Address or Route of Owner			
				City		State	ZIP Code
						<i>WI</i>	

3. Well / Drillhole / Borehole Information **4. Pump, Liner, Screen, Casing & Sealing Material**

Reason For Abandonment <i>decommission/abandon</i>		WI Unique Well No. of Replacement Well		Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Screen removed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A Casing left in place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Was casing cut off below surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A If yes, was hole retopped? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
<input checked="" type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Borehole / Drillhole		Original Construction Date <i>03/12/08</i>		Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____			
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (specify): _____		If a Well Construction Report is available, please attach.		Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " " <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Bentonite Chips			
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Total Well Depth From Groundsurface (ft.) <i>24.20</i>		Casing Diameter (in.) <i>2</i>		For Monitoring Wells and Monitoring Well Boreholes Only: <input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry	
Lower Drillhole Diameter (in.)		Casing Depth (ft.)		Was well annular space grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown			
If yes, to what depth (feet)?		Depth to Water (feet) <i>7.35</i>					

5. Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
<i>3/8" bentonite chips</i>	<i>Surface</i>	<i>24.20</i>	<i>3/4</i>	<i>-</i>

6. Comments

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Sealing Work <i>Coleman Engineering Company</i>		Date of Abandonment <i>12/07/16</i>	Date Received	Noted By
Street or Route <i>635 Circle Drive</i>		Telephone Number <i>(906) 774-3440</i>	Comments	
City <i>Iron Mountain</i>	State <i>MI</i>	ZIP Code <i>49801</i>	Signature of Person Doing Work <i>Wang Rind</i>	Date Signed <i>12-15-16</i>

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Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information

WI Unique Well No. _____ DNR Well ID No. _____ County Rusk
 Common Well Name AS-N5 Gov't Lot # (if applicable) _____
 1/4 SW NW Section 9 Township 36 N Range 7 E W
 Grid Location
 Feet N E S W Local Grid Origin (estimated) OR Well Location
 Latitude: _____ DEG MIN SEC _____ Longitude: _____ DEG MIN SEC _____ N _____ W

2. Facility / Owner Information

Facility Name Enbridge Mile Post 85
 Facility ID _____ License/Permit/Monitoring No. _____ City, Village or Town Murray Twp
 Street Address of Well _____
 Present Well Owner Enbridge Original Well Owner _____
 Street Address or Route of Owner _____
 City _____ State WI ZIP Code _____

Reason For Abandonment decommission/abandon WI Unique Well No. of Replacement Well _____

3. Well / Drillhole / Borehole Information

Monitoring Well Water Well Borehole / Drillhole
 Original Construction Date 03/12/08
 If a Well Construction Report is available, please attach. _____
 Construction Type:
 Drilled Driven (Sandpoint) Dug
 Other (specify): _____
 Formation Type:
 Unconsolidated Formation Bedrock
 Total Well Depth From Groundsurface (ft.) 24.28 Casing Diameter (in.) 2
 Lower Drillhole Diameter (in.) _____ Casing Depth (ft.) _____
 Was well annular space grouted? Yes No Unknown
 If yes, to what depth (feet)? _____ Depth to Water (feet) 7.13

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed? Yes No N/A
 Liner(s) removed? Yes No N/A
 Screen removed? Yes No N/A
 Casing left in place? Yes No N/A
 Was casing cut off below surface? Yes No N/A
 Did sealing material rise to surface? Yes No N/A
 Did material settle after 24 hours? Yes No N/A
 If yes, was hole retopped? Yes No N/A
 If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A
 Required Method of Placing Sealing Material
 Conductor Pipe-Gravity Conductor Pipe-Pumped
 Screened & Poured (Bentonite Chips) Other (Explain): _____
 Sealing Materials
 Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)
 Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " "
 Concrete Bentonite Chips
 For Monitoring Wells and Monitoring Well Boreholes Only:
 Bentonite Chips Bentonite - Cement Grout
 Granular Bentonite Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	24.28	3/4	-

6. Comments

7. Supervision of Work

Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Sealing Work <u>Coleman Engineering Company</u>	Date of Abandonment <u>12/07/16</u>	Date Received	Noted By	
Street or Route <u>635 Circle Drive</u>	Telephone Number <u>(906)774-3440</u>	Comments		
City <u>Iron Mountain</u>	State <u>MI</u>	ZIP Code <u>49801</u>	Signature of Person Doing Work <u>Mary Reed</u>	Date Signed <u>12-15-16</u>

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Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information

WI Unique Well No.		DNR Well ID No.		County Rusk	
Common Well Name AS-N6				Gov't Lot # (if applicable)	
1/4	1/4	Section	Township	Range	Range
SW	NW	9	36 N	7	<input type="checkbox"/> E <input checked="" type="checkbox"/> W
Grid Location			Local Grid Origin		
Feet	<input type="checkbox"/> N	Feet	<input type="checkbox"/> E	<input type="checkbox"/> (estimated) OR <input checked="" type="checkbox"/> Well Location	
<input type="checkbox"/> S	<input type="checkbox"/> W				
Latitude: DEG MIN SEC			Longitude: DEG MIN SEC		

2. Facility / Owner Information

Facility Name Enbridge Mile Post 85		
Facility ID	License/Permit/Monitoring No	City, Village or Town Murry Twp
Street Address of Well		
Present Well Owner Enbridge		Original Well Owner
Street Address or Route of Owner		
City	State WI	ZIP Code

Reason For Abandonment: **decommission/abandon**
 WI Unique Well No. of Replacement Well: _____

3. Well / Drillhole / Borehole Information

<input checked="" type="checkbox"/> Monitoring Well	Original Construction Date 03/12/08
<input type="checkbox"/> Water Well	If a Well Construction Report is available, please attach.
<input type="checkbox"/> Borehole / Drillhole	
Construction Type:	
<input checked="" type="checkbox"/> Drilled	<input type="checkbox"/> Driven (Sandpoint)
<input type="checkbox"/> Other (specify): _____	
Formation Type:	
<input checked="" type="checkbox"/> Unconsolidated Formation	<input type="checkbox"/> Bedrock
Total Well Depth From Groundsurface (ft.) 24.07	Casing Diameter (in.) 2
Lower Drillhole Diameter (in.)	Casing Depth (ft.)
Was well annular space grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	
If yes, to what depth (feet)?	Depth to Water (feet) 6.82

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Liner(s) removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Screen removed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Casing left in place?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Was casing cut off below surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Did material settle after 24 hours?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
If yes, was hole retopped?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Required Method of Placing Sealing Material	
<input type="checkbox"/> Conductor Pipe-Gravity	<input type="checkbox"/> Conductor Pipe-Pumped
<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips)	<input type="checkbox"/> Other (Explain): _____
Sealing Materials	
<input type="checkbox"/> Neat Cement Grout	<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)
<input type="checkbox"/> Sand-Cement (Concrete) Grout	<input type="checkbox"/> Bentonite-Sand Slurry " "
<input type="checkbox"/> Concrete	<input checked="" type="checkbox"/> Bentonite Chips
For Monitoring Wells and Monitoring Well Boreholes Only:	
<input checked="" type="checkbox"/> Bentonite Chips	<input type="checkbox"/> Bentonite - Cement Grout
<input type="checkbox"/> Granular Bentonite	<input type="checkbox"/> Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	24.07	3/4	-

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work Coleman Engineering Company		Date of Abandonment 12/07/16	DNR Use Only	
Street or Route 635 Circle Drive		Telephone Number (906) 774-3440	Date Received	Noted By
City Iron Mountain	State MI	ZIP Code 49801	Comments	
Signature of Person Doing Work Greg Reid			Date Signed 12-15-16	

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information

WI Unique Well No. _____ DNR Well ID No. _____ County **Rusk**

Common Well Name **AS-N7** Gov't Lot # (if applicable) _____

1/4 1/4 **SW** 1/4 **NW** Section **9** Township **36 N** Range **7** E W

Grid Location
 Feet N Feet E Local Grid Origin
 S W (estimated) OR Well Location

Latitude: DEG MIN SEC _____ Longitude: DEG MIN SEC _____
 N W

2. Facility / Owner Information

Facility Name **Enbridge Mile Post 85**

Facility ID _____ License/Permit/Monitoring No. _____ City, Village or Town **Murry TWP**

Street Address of Well _____

Present Well Owner **Enbridge** Original Well Owner _____

Street Address or Route of Owner _____

City _____ State **WI** ZIP Code _____

Reason For Abandonment

decommission/abandon WI Unique Well No. of Replacement Well _____

3. Well / Drillhole / Borehole Information

Monitoring Well Water Well Borehole / Drillhole

Original Construction Date **03/12/08**

If a Well Construction Report is available, please attach. _____

Construction Type:
 Drilled Driven (Sandpoint) Dug
 Other (specify): _____

Formation Type:
 Unconsolidated Formation Bedrock

Total Well Depth From Groundsurface (ft.) **24.50** Casing Diameter (in.) **2**

Lower Drillhole Diameter (in.) _____ Casing Depth (ft.) _____

Was well annular space grouted? Yes No Unknown

If yes, to what depth (feet)? _____ Depth to Water (feet) **6.9**

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed? Yes No N/A

Liner(s) removed? Yes No N/A

Screen removed? Yes No N/A

Casing left in place? Yes No N/A

Was casing cut off below surface? Yes No N/A

Did sealing material rise to surface? Yes No N/A

Did material settle after 24 hours?
 If yes, was hole retopped? Yes No N/A

If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A

Required Method of Placing Sealing Material
 Conductor Pipe-Gravity Conductor Pipe-Pumped
 Screened & Poured (Bentonite Chips) Other (Explain): _____

Sealing Materials
 Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)
 Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " "
 Concrete Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
 Bentonite Chips Bentonite - Cement Grout
 Granular Bentonite Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	24.50	3/4	-

6. Comments

7. Supervision of Work

Supervision of Work		DNR Use Only	
Name of Person or Firm Doing Sealing Work Coleman Engineering Company	Date of Abandonment 12/07/16	Date Received	Noted By
Street or Route 635 Circle Drive	Telephone Number (906) 774-3440	Comments	
City Iron Mountain	State MI	ZIP Code 49801	Signature of Person Doing Work Craig Kiehl
			Date Signed 12-15-16

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information **2. Facility / Owner Information**

WI Unique Well No.	DNR Well ID No.	County Rusk	Facility Name Enbridge Mile Post 85	
Common Well Name AS-N8		Gov't Lot # (if applicable)	Facility ID	License/Permit/Monitoring No. City, Village or Town Murray Twp
1/4 1/4 SW	1/4 NW	Section 9	Township 36 N	Range 7 <input type="checkbox"/> E <input checked="" type="checkbox"/> W
Grid Location Feet <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W		Local Grid Origin <input type="checkbox"/>		Present Well Owner Enbridge
Latitude: DEG MIN SEC N		Longitude: DEG MIN SEC W		Original Well Owner
Reason For Abandonment decommission/abandon		WI Unique Well No. of Replacement Well		

3. Well / Drillhole / Borehole Information

Monitoring Well
 Water Well
 Borehole / Drillhole

Original Construction Date
03/12/08

If a Well Construction Report is available, please attach.

Construction Type:
 Drilled Driven (Sandpoint) Dug
 Other (specify): _____

Formation Type:
 Unconsolidated Formation Bedrock

Total Well Depth From Groundsurface (ft.) **24.32** Casing Diameter (in.) **2**

Lower Drillhole Diameter (in.) Casing Depth (ft.)

Was well annular space grouted? Yes No Unknown

If yes, to what depth (feet)? **7.2** Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed? Yes No N/A

Liner(s) removed? Yes No N/A

Screen removed? Yes No N/A

Casing left in place? Yes No N/A

Was casing cut off below surface? Yes No N/A

Did sealing material rise to surface? Yes No N/A

Did material settle after 24 hours? Yes No N/A

If yes, was hole retopped? Yes No N/A

If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A

Required Method of Placing Sealing Material
 Conductor Pipe-Gravity Conductor Pipe-Pumped
 Screened & Poured (Bentonite Chips) Other (Explain): _____

Sealing Materials
 Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)
 Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " "
 Concrete Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
 Bentonite Chips Bentonite - Cement Grout
 Granular Bentonite Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	24.32	3/4	-

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work Coleman Engineering Company		Date of Abandonment 12/07/16	DNR Use Only Date Received Noted By	
Street or Route 635 Circle Drive		Telephone Number (608) 774-3440	Comments	
City Iron Mountain	State MI	ZIP Code 49801	Signature of Person Doing Work Wing Rind	Date Signed 12-15-16

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Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information

WI Unique Well No. _____		DNR Well ID No. _____		County <u>Rusk</u>	
Common Well Name <u>AS-N9</u>			Gov't Lot # (if applicable) _____		
1/4 1/4 <u>SW</u>	1/4 <u>NW</u>	Section <u>9</u>	Township <u>36 N</u>	Range <u>7</u>	<input type="checkbox"/> E <input checked="" type="checkbox"/> W
Grid Location		<input type="checkbox"/> Local Grid Origin			
Feet <input type="checkbox"/> N <input type="checkbox"/> S	Feet <input type="checkbox"/> E <input type="checkbox"/> W	<input type="checkbox"/> (estimated) OR <input checked="" type="checkbox"/> Well Location			
Latitude: DEG MIN SEC		Longitude: DEG MIN SEC			
_____ N _____ W		_____ N _____ W			

2. Facility / Owner Information

Facility Name <u>Enbridge Mile Post 85</u>		
Facility ID _____	License/Permit/Monitoring No. _____	
City, Village or Town <u>Murray Twp</u>		
Street Address of Well _____		
Present Well Owner <u>Enbridge</u>		Original Well Owner _____
Street Address or Route of Owner _____		
City _____	State <u>WI</u>	ZIP Code _____

Reason For Abandonment decommission/abandon

WI Unique Well No. of Replacement Well _____

3. Well / Drillhole / Borehole Information

<input checked="" type="checkbox"/> Monitoring Well	Original Construction Date <u>03/13/08</u>
<input type="checkbox"/> Water Well	
<input type="checkbox"/> Borehole / Drillhole	If a Well Construction Report is available, please attach.
Construction Type:	
<input checked="" type="checkbox"/> Drilled	<input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug
<input type="checkbox"/> Other (specify): _____	
Formation Type:	
<input checked="" type="checkbox"/> Unconsolidated Formation	<input type="checkbox"/> Bedrock
Total Well Depth From Groundsurface (ft.) <u>24.09</u>	Casing Diameter (in.) <u>2</u>
Lower Drillhole Diameter (in.) _____	Casing Depth (ft.) _____
Was well annular space grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	
If yes, to what depth (feet)? _____	Depth to Water (feet) <u>6.78</u>

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Liner(s) removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Screen removed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Casing left in place?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Was casing cut off below surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Did material settle after 24 hours?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
If yes, was hole retopped?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Required Method of Placing Sealing Material	
<input type="checkbox"/> Conductor Pipe-Gravity	<input type="checkbox"/> Conductor Pipe-Pumped
<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips)	<input type="checkbox"/> Other (Explain): _____
Sealing Materials	
<input type="checkbox"/> Neat Cement Grout	<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)
<input type="checkbox"/> Sand-Cement (Concrete) Grout	<input type="checkbox"/> Bentonite-Sand Slurry " "
<input type="checkbox"/> Concrete	<input checked="" type="checkbox"/> Bentonite Chips
For Monitoring Wells and Monitoring Well Boreholes Only:	
<input checked="" type="checkbox"/> Bentonite Chips	<input type="checkbox"/> Bentonite - Cement Grout
<input type="checkbox"/> Granular Bentonite	<input type="checkbox"/> Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	24.09	3/4	-

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work <u>Coleman Engineering Company</u>		Date of Abandonment <u>12/07/16</u>		DNR Use Only	
Street or Route <u>635 Circle Drive</u>		Telephone Number <u>(906) 774-3440</u>		Date Received _____	Noted By _____
City <u>Iron Mountain</u>	State <u>MI</u>	ZIP Code <u>49801</u>	Signature of Person Doing Work <u>Ray Reed</u>	Date Signed <u>12-15-16</u>	

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Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information **2. Facility / Owner Information**

WI Unique Well No. _____		DNR Well ID No. _____		County <u>Rusk</u>		Facility Name <u>Enbridge Mile Post 85</u>	
Common Well Name <u>AS-N10</u>				Gov't Lot # (if applicable) _____		Facility ID _____	
License/Permit/Monitoring No. _____		City, Village or Town <u>Murray Twp</u>					
1/4	1/4	Section	Township	Range	<input type="checkbox"/> E	Street Address of Well _____	
<u>SW</u>	<u>NW</u>	<u>9</u>	<u>36 N</u>	<u>7</u>	<input checked="" type="checkbox"/> W		
Grid Location				Present Well Owner <u>Enbridge</u>			
Feet	<input type="checkbox"/> N	Feet	<input type="checkbox"/> E	<input type="checkbox"/> Local Grid Origin		Original Well Owner _____	
<input type="checkbox"/> S	<input type="checkbox"/> W	<input type="checkbox"/> (estimated) OR		<input checked="" type="checkbox"/> Well Location			
Latitude: DEG MIN SEC		Longitude: DEG MIN SEC		City _____		State <u>WI</u>	ZIP Code _____
Reason For Abandonment <u>decommission/abandon</u>		WI Unique Well No. of Replacement Well _____					

3. Well / Drillhole / Borehole Information **4. Pump, Liner, Screen, Casing & Sealing Material**

<input checked="" type="checkbox"/> Monitoring Well		Original Construction Date <u>03/13/08</u>		Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Water Well		If a Well Construction Report is available, please attach. _____		Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Borehole / Drillhole				Screen removed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Construction Type:				Casing left in place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Drilled		<input type="checkbox"/> Driven (Sandpoint)		Was casing cut off below surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input type="checkbox"/> Other (specify): _____		<input type="checkbox"/> Dug		Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Formation Type:				Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Unconsolidated Formation		<input type="checkbox"/> Bedrock		If yes, was hole retopped? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Total Well Depth From Groundsurface (ft.) <u>23.95</u>		Casing Diameter (in.) <u>2</u>		If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Lower Drillhole Diameter (in.) _____		Casing Depth (ft.) _____		Required Method of Placing Sealing Material	
Was well annular space grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown				<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
If yes, to what depth (feet)? _____		Depth to Water (feet) <u>6.5</u>		<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____	
				Sealing Materials	
				<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)	
				<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " "	
				<input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Bentonite Chips	
				For Monitoring Wells and Monitoring Well Boreholes Only:	
				<input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout	
				<input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry	

5. Material Used To Fill Well / Drillhole			
From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	23.95	3/4	-

6. Comments

7. Supervision of Work		DNR Use Only	
Name of Person or Firm Doing Sealing Work <u>Coleman Engineering Company</u>		Date of Abandonment <u>12/07/16</u>	Date Received _____
Street or Route <u>635 Circle Drive</u>		Telephone Number <u>(906) 774-3440</u>	Noted By _____
City <u>Iron Mountain</u>		Signature of Person Doing Work <u>[Signature]</u>	Comments _____
State <u>MI</u>	ZIP Code <u>49801</u>	Date Signed <u>12-15-16</u>	

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Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information

WI Unique Well No. _____ DNR Well ID No. _____ County Rusk
 Common Well Name AS-N11 Gov't Lot # (if applicable) _____
 1/4 SW 1/4 NW Section 9 Township 36 N Range 7 E W
 Grid Location: Local Grid Origin (estimated) OR Well Location
 Feet: N S E W
 Latitude: DEG MIN SEC _____ Longitude: DEG MIN SEC _____
 Reason For Abandonment decommission/abandon WI Unique Well No. of Replacement Well _____

2. Facility / Owner Information

Facility Name Enbridge Mile Post 85
 Facility ID _____ License/Permit/Monitoring No. _____ City, Village or Town Murny Twp
 Street Address of Well _____
 Present Well Owner Enbridge Original Well Owner _____
 Street Address or Route of Owner _____
 City _____ State WI ZIP Code _____

3. Well / Drillhole / Borehole Information

Monitoring Well Water Well Borehole / Drillhole
 Original Construction Date 03/13/08
 If a Well Construction Report is available, please attach. _____
 Construction Type:
 Drilled Driven (Sandpoint) Dug
 Other (specify): _____
 Formation Type:
 Unconsolidated Formation Bedrock
 Total Well Depth From Groundsurface (ft.) 24.03 Casing Diameter (in.) 2
 Lower Drillhole Diameter (in.) _____ Casing Depth (ft.) _____
 Was well annular space grouted? Yes No Unknown
 If yes, to what depth (feet)? _____ Depth to Water (feet) 6.25

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed? Yes No N/A
 Liner(s) removed? Yes No N/A
 Screen removed? Yes No N/A
 Casing left in place? Yes No N/A
 Was casing cut off below surface? Yes No N/A
 Did sealing material rise to surface? Yes No N/A
 Did material settle after 24 hours? Yes No N/A
 If yes, was hole retopped? Yes No N/A
 If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A
 Required Method of Placing Sealing Material
 Conductor Pipe-Gravity Conductor Pipe-Pumped
 Screened & Poured (Bentonite Chips) Other (Explain): _____
 Sealing Materials
 Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)
 Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " "
 Concrete Bentonite Chips
 For Monitoring Wells and Monitoring Well Boreholes Only:
 Bentonite Chips Bentonite - Cement Grout
 Granular Bentonite Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	24.03	3/4	-

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work <u>Coleman Engineering Company</u>		Date of Abandonment <u>12/07/16</u>		Date Received		Noted By	
Street or Route <u>635 Circle Drive</u>		Telephone Number <u>(908) 774-3440</u>		Comments			
City <u>Iron Mountain</u>		State <u>MI</u>		ZIP Code <u>49801</u>		Signature of Person Doing Work <u>[Signature]</u>	
						Date Signed <u>12-15-16</u>	

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Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information

WI Unique Well No.		DNR Well ID No.		County <i>Rusk</i>	
Common Well Name <i>AS-N12</i>				Gov't Lot # (if applicable)	
1/4 1/4 <i>SW</i>	1/4 <i>NW</i>	Section <i>9</i>	Township <i>36 N</i>	Range <i>7</i>	<input type="checkbox"/> E <input checked="" type="checkbox"/> W
Grid Location		<input type="checkbox"/> Local Grid Origin			
Feet <input type="checkbox"/> N	Feet <input type="checkbox"/> E	<input type="checkbox"/> (estimated) OR <input checked="" type="checkbox"/> Well Location			
<input type="checkbox"/> S	<input type="checkbox"/> W				
Latitude: DEG MIN SEC <i>N</i>		Longitude: DEG MIN SEC <i>W</i>			
Reason For Abandonment <i>decommission/abandon</i>		WI Unique Well No. of Replacement Well			

2. Facility / Owner Information

Facility Name <i>Enbridge Mile Post 85</i>		
Facility ID	License/Permit/Monitoring No.	City, Village or Town
Street Address of Well		
Present Well Owner <i>Enbridge</i>		Original Well Owner
Street Address or Route of Owner		
City	State <i>WI</i>	ZIP Code

3. Well / Drillhole / Borehole Information

<input checked="" type="checkbox"/> Monitoring Well	Original Construction Date <i>03/13/08</i>
<input type="checkbox"/> Water Well	
<input type="checkbox"/> Borehole / Drillhole	
If a Well Construction Report is available, please attach.	
Construction Type:	
<input checked="" type="checkbox"/> Drilled	<input type="checkbox"/> Driven (Sandpoint)
<input type="checkbox"/> Other (specify): _____	<input type="checkbox"/> Dug
Formation Type:	
<input checked="" type="checkbox"/> Unconsolidated Formation	<input type="checkbox"/> Bedrock
Total Well Depth From Groundsurface (ft.) <i>24.14</i>	Casing Diameter (in.) <i>2</i>
Lower Drillhole Diameter (in.)	Casing Depth (ft.)
Was well annular space grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	
If yes, to what depth (feet)?	Depth to Water (feet) <i>6.42</i>

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Liner(s) removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Screen removed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Casing left in place?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Was casing cut off below surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Did material settle after 24 hours?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
If yes, was hole retopped?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Required Method of Placing Sealing Material	
<input type="checkbox"/> Conductor Pipe-Gravity	<input type="checkbox"/> Conductor Pipe-Pumped
<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips)	<input type="checkbox"/> Other (Explain): _____
Sealing Materials	
<input type="checkbox"/> Neat Cement Grout	<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)
<input type="checkbox"/> Sand-Cement (Concrete) Grout	<input type="checkbox"/> Bentonite-Sand Slurry " "
<input type="checkbox"/> Concrete	<input checked="" type="checkbox"/> Bentonite Chips
For Monitoring Wells and Monitoring Well Boreholes Only:	
<input checked="" type="checkbox"/> Bentonite Chips	<input type="checkbox"/> Bentonite - Cement Grout
<input type="checkbox"/> Granular Bentonite	<input type="checkbox"/> Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
<i>Surface</i>	<i>24.14</i>	<i>3/4</i>	<i>-</i>

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work <i>Coleman Engineering Company</i>		Date of Abandonment <i>12/07/16</i>		Date Received		Noted By	
Street or Route <i>635 Circle Drive</i>		Telephone Number <i>(906) 774-3440</i>		Comments			
City <i>Iron Mountain</i>	State <i>WI</i>	ZIP Code <i>49801</i>	Signature of Person Doing Work <i>Gary Rich</i>		Date Signed <i>12-15-16</i>		

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information **2. Facility / Owner Information**

WI Unique Well No. _____		DNR Well ID No. _____		County Rusk		Facility Name Enbridge Mile Post 85	
Common Well Name AS-N13				Gov't Lot # (if applicable) _____		Facility ID _____	
License/Permit/Monitoring No. _____		City, Village or Town Murry Twp					
1/4 SW SW	1/4 NW NW	Section 9	Township 36 N	Range 7	<input type="checkbox"/> E	Street Address of Well _____	
						<input checked="" type="checkbox"/> W	
Grid Location				Present Well Owner Enbridge			
Feet <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W				Original Well Owner _____			
<input type="checkbox"/> Local Grid Origin				Street Address or Route of Owner _____			
<input type="checkbox"/> (estimated) OR <input checked="" type="checkbox"/> Well Location				City _____ State WI ZIP Code _____			
Latitude: DEG MIN SEC _____		Longitude: DEG MIN SEC _____					
Reason For Abandonment decommission/abandon		WI Unique Well No. of Replacement Well _____					

3. Well / Drillhole / Borehole Information **4. Pump, Liner, Screen, Casing & Sealing Material**

<input checked="" type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Borehole / Drillhole		Original Construction Date 03/13/08		Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Screen removed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A Casing left in place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (specify): _____		If a Well Construction Report is available, please attach.		Was casing cut off below surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____			
Total Well Depth From Groundsurface (ft.) 24.20 Lower Drillhole Diameter (in.) _____		Casing Diameter (in.) 2 Casing Depth (ft.) _____		Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " " <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Bentonite Chips	
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown		For Monitoring Wells and Monitoring Well Boreholes Only: <input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry			
If yes, to what depth (feet)? _____		Depth to Water (feet) 6.32			

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	24.2	3/4 sack	

6. Comments

7. Supervision of Work **DNR Use Only**

Name of Person or Firm Doing Sealing Work Coleman Engineering Company		Date of Abandonment 12/07/16		Date Received _____		Noted By _____	
Street or Route 635 Circle Drive		Telephone Number (906) 774-3440		Comments _____			
City Iron Mountain		State MI ZIP Code 49801		Signature of Person Doing Work Wray Reid		Date Signed 12-15-16	

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Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information

WI Unique Well No.		DNR Well ID No.		County Rusk	
Common Well Name AS-N14				Gov't Lot # (if applicable)	
1/4	1/4	Section 9	Township 36 N	Range 7	<input type="checkbox"/> E <input checked="" type="checkbox"/> W
Grid Location		<input type="checkbox"/> Local Grid Origin			
Feet	<input type="checkbox"/> N	Feet	<input type="checkbox"/> E	<input type="checkbox"/> (estimated) OR <input checked="" type="checkbox"/> Well Location	
<input type="checkbox"/> S	<input type="checkbox"/> W				
Latitude: DEG MIN SEC		Longitude: DEG MIN SEC			

2. Facility / Owner Information

Facility Name Enbridge Mile Post 85		
Facility ID	License/Permit/Monitoring No	City, Village or Town Murray Twp
Street Address of Well		
Present Well Owner Enbridge		Original Well Owner
Street Address or Route of Owner		
City	State WI	ZIP Code

Reason For Abandonment: **decommission/abandon** WI Unique Well No. of Replacement Well: _____

3. Well / Drillhole / Borehole Information

<input checked="" type="checkbox"/> Monitoring Well	Original Construction Date 03/13/08
<input type="checkbox"/> Water Well	
<input type="checkbox"/> Borehole / Drillhole	If a Well Construction Report is available, please attach.
Construction Type:	
<input checked="" type="checkbox"/> Drilled	<input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug
<input type="checkbox"/> Other (specify): _____	
Formation Type:	
<input checked="" type="checkbox"/> Unconsolidated Formation	<input type="checkbox"/> Bedrock
Total Well Depth From Groundsurface (ft.) 23.60	Casing Diameter (in.) 2
Lower Drillhole Diameter (in.)	Casing Depth (ft.)
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	
If yes, to what depth (feet)?	Depth to Water (feet) 5.61

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Liner(s) removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Screen removed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Casing left in place?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Was casing cut off below surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Did material settle after 24 hours?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Required Method of Placing Sealing Material	
<input type="checkbox"/> Conductor Pipe-Gravity	<input type="checkbox"/> Conductor Pipe-Pumped
<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips)	<input type="checkbox"/> Other (Explain): _____
Sealing Materials	
<input type="checkbox"/> Neat Cement Grout	<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)
<input type="checkbox"/> Sand-Cement (Concrete) Grout	<input type="checkbox"/> Bentonite-Sand Slurry " "
<input type="checkbox"/> Concrete	<input checked="" type="checkbox"/> Bentonite Chips
For Monitoring Wells and Monitoring Well Boreholes Only:	
<input checked="" type="checkbox"/> Bentonite Chips	<input type="checkbox"/> Bentonite - Cement Grout
<input type="checkbox"/> Granular Bentonite	<input type="checkbox"/> Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	23.6	3/4 sack	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work Coleman Engineering Company		Date of Abandonment 12/07/16		DNR Use Only	
Street or Route 635 Circle Drive		Telephone Number 906774-3440		Date Received	Noted By
City Iron Mountain		State MI		Comments	
ZIP Code 49801		Signature of Person Doing Work Greg Reid		Date Signed 12-15-16	

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Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information

WI Unique Well No.		DNR Well ID No.		County <i>Rusk</i>	
Common Well Name <i>AS-N15</i>				Gov't Lot # (if applicable)	
$\frac{1}{4}$ / $\frac{1}{4}$ <i>SW</i>	$\frac{1}{4}$ <i>NW</i>	Section <i>9</i>	Township <i>36 N</i>	Range <i>7</i>	<input type="checkbox"/> E <input checked="" type="checkbox"/> W
Grid Location		<input type="checkbox"/> Local Grid Origin			
Feet <input type="checkbox"/> N <input type="checkbox"/> S	Feet <input type="checkbox"/> E <input type="checkbox"/> W	<input type="checkbox"/> (estimated) OR <input checked="" type="checkbox"/> Well Location			
Latitude: DEG MIN SEC <i>N</i>		Longitude: DEG MIN SEC <i>W</i>			

Reason For Abandonment *decommission/abandon* WI Unique Well No. of Replacement Well _____

3. Well / Drillhole / Borehole Information

<input checked="" type="checkbox"/> Monitoring Well	Original Construction Date <i>03/13/08</i>
<input type="checkbox"/> Water Well	
<input type="checkbox"/> Borehole / Drillhole	If a Well Construction Report is available, please attach.
Construction Type:	
<input checked="" type="checkbox"/> Drilled	<input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug
<input type="checkbox"/> Other (specify): _____	
Formation Type:	
<input checked="" type="checkbox"/> Unconsolidated Formation	<input type="checkbox"/> Bedrock
Total Well Depth From Groundsurface (ft.) <i>23.73</i>	Casing Diameter (in.) <i>2</i>
Lower Drillhole Diameter (in.)	Casing Depth (ft.)
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	
If yes, to what depth (feet)?	Depth to Water (feet) <i>5.47</i>

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	<i>23.7</i>	<i>3/4 Sack</i>	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work <i>Coleman Engineering Company</i>		Date of Abandonment <i>12/07/16</i>		DNR Use Only	
Street or Route <i>635 Circle Drive</i>		Telephone Number <i>(906) 774-3440</i>		Date Received	Noted By
City <i>Iron Mountain</i>		State <i>MI</i>		Comments	
ZIP Code <i>49801</i>		Signature of Person Doing Work <i>Greg Riech</i>		Date Signed <i>12-15-16</i>	

2. Facility / Owner Information

Facility Name <i>Enbridge Mile Post 85</i>		
Facility ID	License/Permit/Monitoring No.	City, Village or Town <i>Murray Twp</i>
Street Address of Well		
Present Well Owner <i>Enbridge</i>		Original Well Owner
Street Address or Route of Owner		
City	State <i>WI</i>	ZIP Code

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Liner(s) removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Screen removed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Casing left in place?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Was casing cut off below surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Did material settle after 24 hours?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
If yes, was hole retopped?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Required Method of Placing Sealing Material	
<input type="checkbox"/> Conductor Pipe-Gravity	<input type="checkbox"/> Conductor Pipe-Pumped
<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips)	<input type="checkbox"/> Other (Explain): _____
Sealing Materials	
<input type="checkbox"/> Neat Cement Grout	<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)
<input type="checkbox"/> Sand-Cement (Concrete) Grout	<input type="checkbox"/> Bentonite-Sand Slurry " "
<input type="checkbox"/> Concrete	<input checked="" type="checkbox"/> Bentonite Chips
For Monitoring Wells and Monitoring Well Boreholes Only:	
<input checked="" type="checkbox"/> Bentonite Chips	<input type="checkbox"/> Bentonite - Cement Grout
<input type="checkbox"/> Granular Bentonite	<input type="checkbox"/> Bentonite - Sand Slurry

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Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information

WI Unique Well No.		DNR Well ID No.		County Rusk	
Common Well Name AS-N16				Gov't Lot # (if applicable)	
1/4	1/4	Section	Township	Range	<input type="checkbox"/> E <input checked="" type="checkbox"/> W
SW	NW	9	36 N	7	
Grid Location			<input type="checkbox"/> Local Grid Origin		
Feet	<input type="checkbox"/> N	Feet	<input type="checkbox"/> E	<input type="checkbox"/> (estimated) OR <input checked="" type="checkbox"/> Well Location	
<input type="checkbox"/> S	<input type="checkbox"/> W				
Latitude: DEG MIN SEC			Longitude: DEG MIN SEC		

2. Facility / Owner Information

Facility Name Enbridge Mile Post 85		
Facility ID	License/Permit/Monitoring No.	City, Village or Town Murry Twp
Street Address of Well		
Present Well Owner Enbridge		Original Well Owner
Street Address or Route of Owner		
City	State WI	ZIP Code

3. Well / Drillhole / Borehole Information

decommission/abandon

Reason For Abandonment		WI Unique Well No. of Replacement Well
<input checked="" type="checkbox"/> Monitoring Well		Original Construction Date 03/13/08
<input type="checkbox"/> Water Well		If a Well Construction Report is available, please attach.
<input type="checkbox"/> Borehole / Drillhole		
Construction Type:		
<input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug		
<input type="checkbox"/> Other (specify): _____		
Formation Type:		
<input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		
Total Well Depth From Groundsurface (ft.) 22.89	Casing Diameter (in.) 2	
Lower Drillhole Diameter (in.)	Casing Depth (ft.)	
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown		
If yes, to what depth (feet)?	Depth to Water (feet) 4.94	

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Liner(s) removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Screen removed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Casing left in place?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Was casing cut off below surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Did material settle after 24 hours?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Required Method of Placing Sealing Material	
<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____	
Sealing Materials	
<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)	
<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " "	
<input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Bentonite Chips	
For Monitoring Wells and Monitoring Well Boreholes Only:	
<input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout	
<input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry	

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	22.9	3/4 sack	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work Coleman Engineering Company		Date of Abandonment 12/07/16		DNR Use Only	
Street or Route 635 Circle Dr.		Telephone Number (906) 774-3470		Date Received	Noted By
City Iron Mountain		State Mi		Comments	
ZIP Code 49801		Signature of Person Doing Work <i>[Signature]</i>		Date Signed 12-15-16	

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Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information **2. Facility / Owner Information**

WI Unique Well No. _____		DNR Well ID No. _____		County <u>Rusk</u>		Facility Name <u>Enbridge Mile Post 85</u>	
Common Well Name <u>AS-N17</u>				Gov't Lot # (if applicable) _____		City, Village or Town <u>Murray Twp</u>	
1/4	1/4	Section <u>9</u>	Township <u>36 N</u>	Range <u>7</u>	<input type="checkbox"/> E	Street Address of Well _____	
<u>SW</u>	<u>NW</u>				<input checked="" type="checkbox"/> W		
Grid Location		<input type="checkbox"/> Local Grid Origin		Present Well Owner <u>Enbridge</u> Original Well Owner _____			
Feet <input type="checkbox"/> N	Feet <input type="checkbox"/> E	<input type="checkbox"/> (estimated) OR <input checked="" type="checkbox"/> Well Location		Street Address or Route of Owner _____			
<input type="checkbox"/> S	<input type="checkbox"/> W			City _____		State <u>WI</u>	ZIP Code _____
Latitude: DEG MIN SEC _____		Longitude: DEG MIN SEC _____					
Reason For Abandonment <u>decommission/abandon</u>		WI Unique Well No. of Replacement Well _____					

3. Well / Drillhole / Borehole Information **4. Pump, Liner, Screen, Casing & Sealing Material**

<input checked="" type="checkbox"/> Monitoring Well		Original Construction Date <u>03/13/08</u>		Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Water Well		If a Well Construction Report is available, please attach.		Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Borehole / Drillhole				Screen removed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Construction Type:				Casing left in place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug				Was casing cut off below surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input type="checkbox"/> Other (specify): _____				Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Formation Type:				Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock				If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Total Well Depth From Groundsurface (ft.) <u>22.60</u>		Casing Diameter (in.) <u>2</u>		If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Lower Drillhole Diameter (in.) _____		Casing Depth (ft.) _____		Required Method of Placing Sealing Material	
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown				<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
If yes, to what depth (feet)? _____		Depth to Water (feet) <u>4.22</u>		<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____	
				Sealing Materials	
				<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)	
				<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " "	
				<input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Bentonite Chips	
				For Monitoring Wells and Monitoring Well Boreholes Only:	
				<input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout	
				<input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry	

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	22.6	<u>3/4 sack</u>	

6. Comments

7. Supervision of Work **DNR Use Only**

Name of Person or Firm Doing Sealing Work <u>Coleman Engineering Company</u>		Date of Abandonment <u>12/07/16</u>		Date Received _____		Noted By _____	
Street or Route <u>635 Circle Dr.</u>		Telephone Number <u>(906) 774-3440</u>		Comments _____			
City <u>Iron Mountain</u>		State <u>MI</u>	ZIP Code <u>49801</u>	Signature of Person Doing Work <u>Wayne K... [Signature]</u>		Date Signed <u>12-15-16</u>	

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information

WI Unique Well No. _____ DNR Well ID No. _____ County Rusk

Common Well Name AS-S1 Gov't Lot # (if applicable) _____

1/4 1/4 Section Township Range E W
SW NW 9 36 N 7

Grid Location
 Feet N E S W Local Grid Origin (estimated) OR Well Location

Latitude: DEG MIN SEC _____ Longitude: DEG MIN SEC _____
 _____ N _____ W

2. Facility / Owner Information

Facility Name Enbridge Mile Post 85

Facility ID _____ License/Permit/Monitoring No. _____ City, Village or Town Murray Twp

Street Address of Well _____

Present Well Owner Enbridge Original Well Owner _____

Street Address or Route of Owner _____

City _____ State WI ZIP Code _____

3. Well / Drillhole / Borehole Information

Reason For Abandonment decommission/abandon WI Unique Well No. of Replacement Well _____

Monitoring Well Water Well Borehole / Drillhole

Original Construction Date 03/19/08

If a Well Construction Report is available, please attach.

Construction Type:
 Drilled Driven (Sandpoint) Dug Other (specify): _____

Formation Type:
 Unconsolidated Formation Bedrock

Total Well Depth From Groundsurface (ft.) 23.68 Casing Diameter (in.) 2

Lower Drillhole Diameter (in.) _____ Casing Depth (ft.) _____

Was well annular space grouted? Yes No Unknown

If yes, to what depth (feet)? _____ Depth to Water (feet) 7.13

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed? Yes No N/A

Liner(s) removed? Yes No N/A

Screen removed? Yes No N/A

Casing left in place? Yes No N/A

Was casing cut off below surface? Yes No N/A

Did sealing material rise to surface? Yes No N/A

Did material settle after 24 hours? Yes No N/A
 If yes, was hole retopped? Yes No N/A

If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A

Required Method of Placing Sealing Material
 Conductor Pipe-Gravity Conductor Pipe-Pumped
 Screened & Poured (Bentonite Chips) Other (Explain): _____

Sealing Materials
 Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)
 Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " "
 Concrete Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
 Bentonite Chips Bentonite - Cement Grout
 Granular Bentonite Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	23.68	3/4	-

6. Comments

7. Supervision of Work

Supervision of Work		DNR Use Only	
Name of Person or Firm Doing Sealing Work <u>Coleman Engineering Company</u>	Date of Abandonment <u>12/07/16</u>	Date Received	Noted By
Street or Route <u>635 Circle Dr</u>	Telephone Number <u>(906)774-3440</u>	Comments	
City <u>Von Mountain</u>	State <u>MI</u>	ZIP Code <u>49801</u>	Signature of Person Doing Work <u>Craig Reich</u>
			Date Signed <u>12-15-16</u>

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Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information					2. Facility / Owner Information				
WI Unique Well No.		DNR Well ID No.		County	Facility Name		City, Village or Town		
_____		_____		Rusk	Enbridge Mile Post 85		_____		
Common Well Name				Gov't Lot # (if applicable)	Facility ID		License/Permit/Monitoring No.		
AS-S2				_____	_____		Murray Twp		
1/4	1/4	Section	Township	Range	<input type="checkbox"/> E	Street Address of Well			
SW	NW	9	36 N	7	<input checked="" type="checkbox"/> W	_____			
Grid Location					Present Well Owner				
Feet <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W					Enbridge				
<input type="checkbox"/> Local Grid Origin					Original Well Owner				
<input type="checkbox"/> (estimated) OR <input checked="" type="checkbox"/> Well Location					Street Address or Route of Owner				
Latitude: DEG MIN SEC					Longitude: DEG MIN SEC				
_____ N _____ W					City State ZIP Code				
Reason For Abandonment					WI Unique Well No. of Replacement Well				
decommission/abandon					_____				
3. Well / Drillhole / Borehole Information									
<input checked="" type="checkbox"/> Monitoring Well			Original Construction Date			<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input type="checkbox"/> Water Well			03/19/08			<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input type="checkbox"/> Borehole / Drillhole			If a Well Construction Report is available, please attach.			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
Construction Type:					Casing left in place?				
<input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug					<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A				
<input type="checkbox"/> Other (specify): _____					Was casing cut off below surface?				
_____					<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A				
Formation Type:					Did sealing material rise to surface?				
<input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock					<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A				
Total Well Depth From Groundsurface (ft.)			Casing Diameter (in.)			Did material settle after 24 hours?			
24.39			2			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
Lower Drillhole Diameter (in.)			Casing Depth (ft.)			If yes, was hole retopped?			
_____			_____			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
Was well annular space grouted?					If bentonite chips were used, were they hydrated with water from a known safe source?				
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown					<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A				
If yes, to what depth (feet)?			Depth to Water (feet)			Required Method of Placing Sealing Material			
_____			7.53			<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped			
5. Material Used To Fill Well / Drillhole					<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____				
From (ft.)		To (ft.)		No. Yards, Sacks Sealant or Volume (circle one)		Mix Ratio or Mud Weight			
Surface		24.39		3/4		-			
6. Comments									

7. Supervision of Work					DNR Use Only				
Name of Person or Firm Doing Sealing Work			Date of Abandonment		Date Received		Noted By		
Coleman Engineering Company			12/07/16		_____		_____		
Street or Route			Telephone Number		Comments				
635 Circle Dr			(906) 774-3440		_____				
City		State	ZIP Code		Signature of Person Doing Work			Date Signed	
Iron Mountain		MI	49801		Cindy Reiter			12-15-16	

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Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information **2. Facility / Owner Information**

WI Unique Well No. _____		DNR Well ID No. _____		County <u>Rusk</u>		Facility Name <u>Enbridge Mile Post 85</u>	
Common Well Name <u>AS-S3</u>				Gov't Lot # (if applicable) _____		Facility ID _____	
License/Permit/Monitoring No. _____		City, Village or Town <u>Murray Twp</u>					
1/4 / 1/4	1/4	Section	Township	Range	<input type="checkbox"/> E	Street Address of Well _____	
<u>SW</u>	<u>NW</u>	<u>9</u>	<u>36 N</u>	<u>7</u>	<input checked="" type="checkbox"/> W		
Grid Location				Present Well Owner <u>Enbridge</u>			
Feet	<input type="checkbox"/> N	Feet	<input type="checkbox"/> E	<input type="checkbox"/> Local Grid Origin		Original Well Owner _____	
<input type="checkbox"/> S	<input type="checkbox"/> W	<input type="checkbox"/> (estimated) OR		<input checked="" type="checkbox"/> Well Location			
Latitude: DEG MIN SEC _____				Longitude: DEG MIN SEC _____			
City _____				State <u>WI</u>		ZIP Code _____	
Reason For Abandonment <u>decommission/abandon</u>				WI Unique Well No. of Replacement Well _____			

3. Well / Drillhole / Borehole Information **4. Pump, Liner, Screen, Casing & Sealing Material**

<input checked="" type="checkbox"/> Monitoring Well		Original Construction Date <u>03/20/08</u>		Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Water Well		If a Well Construction Report is available, please attach. _____		Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Borehole / Drillhole				Screen removed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Construction Type:				Casing left in place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Drilled		<input type="checkbox"/> Driven (Sandpoint)		Was casing cut off below surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input type="checkbox"/> Other (specify): _____				Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Formation Type:		<input checked="" type="checkbox"/> Unconsolidated Formation		Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
		<input type="checkbox"/> Bedrock		If yes, was hole retopped? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Total Well Depth From Groundsurface (ft.) <u>23.88</u>		Casing Diameter (in.) <u>2</u>		If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Lower Drillhole Diameter (in.) _____		Casing Depth (ft.) _____		Required Method of Placing Sealing Material	
Was well annular space grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown				<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
If yes, to what depth (feet)? _____		Depth to Water (feet) <u>7.75</u>		<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____	
				Sealing Materials	
				<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)	
				<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " "	
				<input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Bentonite Chips	
				For Monitoring Wells and Monitoring Well Boreholes Only:	
				<input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout	
				<input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry	

5. Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
<u>3/8" bentonite chips</u>	<u>Surface</u>	<u>23.88</u>	<u>3/4</u>	<u>-</u>

6. Comments

7. Supervision of Work **DNR Use Only**

Name of Person or Firm Doing Sealing Work <u>Coleman Engineering Company</u>		Date of Abandonment <u>12/07/16</u>		Date Received _____		Noted By _____	
Street or Route <u>635 Circle Dr</u>		Telephone Number <u>(906) 774-3440</u>		Comments _____			
City <u>Iron Mountain</u>		State <u>MI</u>		ZIP Code <u>49801</u>		Signature of Person Doing Work <u>Wally Riedl</u>	
						Date Signed <u>12-15-16</u>	

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Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information **2. Facility / Owner Information**

WI Unique Well No. _____		DNR Well ID No. _____		County Rusk		Facility Name Enbridge Mile Post 85	
Common Well Name AS-S4		Gov't Lot # (if applicable) _____		Facility ID _____		License/Permit/Monitoring No. _____	
1/4	1/4	Section 9	Township 36 N	Range 7	<input type="checkbox"/> E	Street Address of Well _____	
SW	NW				<input checked="" type="checkbox"/> W		
Grid Location				Present Well Owner Enbridge			
Feet <input type="checkbox"/> N	Feet <input type="checkbox"/> E	<input type="checkbox"/> Local Grid Origin		Original Well Owner _____		Street Address or Route of Owner _____	
<input type="checkbox"/> S	<input type="checkbox"/> W	<input type="checkbox"/> (estimated) OR <input checked="" type="checkbox"/> Well Location		City _____ State WI ZIP Code _____			
Latitude: DEG MIN SEC _____		Longitude: DEG MIN SEC _____		Reason For Abandonment decommission/abandon			
_____		_____		WI Unique Well No. of Replacement Well _____			

3. Well / Drillhole / Borehole Information

Monitoring Well
 Water Well
 Borehole / Drillhole

Original Construction Date **03/11/08**

If a Well Construction Report is available, please attach. _____

Construction Type:
 Drilled Driven (Sandpoint) Dug
 Other (specify): _____

Formation Type:
 Unconsolidated Formation Bedrock

Total Well Depth From Groundsurface (ft.) **22.95** Casing Diameter (in.) **2**

Lower Drillhole Diameter (in.) **2.000** Casing Depth (ft.) _____

Was well annular space grouted? Yes No Unknown

If yes, to what depth (feet)? _____ Depth to Water (feet) **7.36**

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed? Yes No N/A

Liner(s) removed? Yes No N/A

Screen removed? Yes No N/A

Casing left in place? Yes No N/A

Was casing cut off below surface? Yes No N/A

Did sealing material rise to surface? Yes No N/A

Did material settle after 24 hours?
 If yes, was hole retopped? Yes No N/A

If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A

Required Method of Placing Sealing Material
 Conductor Pipe-Gravity Conductor Pipe-Pumped
 Screened & Poured (Bentonite Chips) Other (Explain): _____

Sealing Materials
 Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)
 Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " "
 Concrete Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
 Bentonite Chips Bentonite - Cement Grout
 Granular Bentonite Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	22.95	3/4	-

6. Comments

7. Supervision of Work **DNR Use Only**

Name of Person or Firm Doing Sealing Work Coleman Engineering Company		Date of Abandonment 12/07/16		Date Received _____		Noted By _____	
Street or Route 635 Circle Dr		Telephone Number (906) 774-3440		Comments _____			
City Iron Mountain		State MI		ZIP Code 49801		Signature of Person Doing Work Craig Reed	
						Date Signed 12-15-16	

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Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information **2. Facility / Owner Information**

WI Unique Well No. _____ DNR Well ID No. _____ County Rusk Facility Name Enbridge Mile Post 85

Common Well Name AS-S5 Gov't Lot # (if applicable) _____ Facility ID _____ License/Permit/Monitoring No. _____ City, Village or Town Murray Twp

1/4 / 1/4 SW NW Section 9 Township 36 N Range 7 E W Street Address of Well _____

Grid Location: Feet N S E W Local Grid Origin (estimated) OR Well Location Present Well Owner Enbridge Original Well Owner _____

Street Address or Route of Owner _____

Latitude: DEG MIN SEC _____ Longitude: DEG MIN SEC _____ City _____ State WI ZIP Code _____

Reason For Abandonment decommission/abandon WI Unique Well No. of Replacement Well _____

3. Well / Drillhole / Borehole Information **4. Pump, Liner, Screen, Casing & Sealing Material**

Monitoring Well Water Well Borehole / Drillhole Original Construction Date 03/11/08
 If a Well Construction Report is available, please attach. _____

Construction Type: Drilled Driven (Sandpoint) Dug Other (specify): _____
 Formation Type: Unconsolidated Formation Bedrock

Total Well Depth From Groundsurface (ft.) 23.63 Casing Diameter (in.) 2
 Lower Drillhole Diameter (in.) _____ Casing Depth (ft.) _____

Was well annular space grouted? Yes No Unknown
 If yes, to what depth (feet)? _____ Depth to Water (feet) 7.15

Pump and piping removed? Yes No N/A
 Liner(s) removed? Yes No N/A
 Screen removed? Yes No N/A
 Casing left in place? Yes No N/A
 Was casing cut off below surface? Yes No N/A
 Did sealing material rise to surface? Yes No N/A
 Did material settle after 24 hours? Yes No N/A
 If yes, was hole retopped? Yes No N/A
 If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A

Required Method of Placing Sealing Material
 Conductor Pipe-Gravity Conductor Pipe-Pumped
 Screened & Poured (Bentonite Chips) Other (Explain): _____

Sealing Materials
 Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)
 Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " "
 Concrete Bentonite Chips
 For Monitoring Wells and Monitoring Well Boreholes Only:
 Bentonite Chips Bentonite - Cement Grout
 Granular Bentonite Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, (Sacks Sealant or Volume (circle one))	Mix Ratio or Mud Weight
<u>3/8" bentonite chips</u>	<u>Surface</u>	<u>23.63</u>	<u>3/4</u>	<u>-</u>

6. Comments

7. Supervision of Work		DNR Use Only	
Name of Person or Firm Doing Sealing Work <u>Coleman Engineering Company</u>	Date of Abandonment <u>12/07/16</u>	Date Received	Noted By
Street or Route <u>635 Circle Dr</u>	Telephone Number <u>(906) 774-3440</u>	Comments	
City <u>Iron Mountain</u>	State <u>MI</u>	ZIP Code <u>49801</u>	Signature of Person Doing Work <u>Craig Reich</u>
			Date Signed <u>12-15-16</u>

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Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information **2. Facility / Owner Information**

WI Unique Well No. _____		DNR Well ID No. _____		County <u>Rusk</u>		Facility Name <u>Enbridge Mile Post 85</u>	
Common Well Name <u>AS-56</u>		Gov't Lot # (if applicable) _____		Facility ID _____		License/Permit/Monitoring No. _____	
City, Village or Town <u>Murray Twp</u>		Street Address of Well _____		Present Well Owner <u>Enbridge</u>		Original Well Owner _____	
1/4	1/4	Section <u>9</u>	Township <u>36 N</u>	Range <u>7</u>	<input type="checkbox"/> E	<input checked="" type="checkbox"/> W	
Grid Location		Local Grid Origin <input type="checkbox"/>		Street Address or Route of Owner _____		City _____ State <u>WI</u> ZIP Code _____	
Feet <input type="checkbox"/> N	Feet <input type="checkbox"/> E	<input type="checkbox"/> (estimated) OR <input checked="" type="checkbox"/> Well Location		City _____ State <u>WI</u> ZIP Code _____		Reason For Abandonment <u>decommission / abandon</u>	
Feet <input type="checkbox"/> S	Feet <input type="checkbox"/> W	Longitude: DEG MIN SEC _____		WI Unique Well No. of Replacement Well _____		Latitude: DEG MIN SEC _____	

3. Well / Drillhole / Borehole Information **4. Pump, Liner, Screen, Casing & Sealing Material**

<input checked="" type="checkbox"/> Monitoring Well		Original Construction Date <u>03/11/08</u>		Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Water Well		If a Well Construction Report is available, please attach. _____		Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Borehole / Drillhole		Construction Type:		Screen removed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Drilled		<input type="checkbox"/> Driven (Sandpoint)		Casing left in place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input type="checkbox"/> Other (specify): _____		<input type="checkbox"/> Dug		Was casing cut off below surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Formation Type:		<input checked="" type="checkbox"/> Unconsolidated Formation		Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input type="checkbox"/> Bedrock		Total Well Depth From Groundsurface (ft.) <u>23.65</u>		Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Casing Diameter (in.) <u>2</u>		Lower Drillhole Diameter (in.) _____		If yes, was hole retopped? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Casing Depth (ft.) _____		Was well annular space grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
If yes, to what depth (feet)? _____		Depth to Water (feet) <u>6.5</u>		Required Method of Placing Sealing Material	

5. Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
<u>3/8" bentonite chips</u>	<u>Surface</u>	<u>23.28</u>	<u>3/4</u>	<u>-</u>

6. Comments

7. Supervision of Work		DNR Use Only	
Name of Person or Firm Doing Sealing Work <u>Coleman Engineering Company</u>		Date of Abandonment <u>12/07/16</u>	Date Received _____
Street or Route <u>635 Circle Dr</u>		Telephone Number <u>(906) 774-3440</u>	Noted By _____
City <u>Iron Mountain</u>		Signature of Person Doing Work <u>Craig Rude</u>	Comments _____
State <u>MI</u>	ZIP Code <u>49801</u>	Date Signed <u>12-15-16</u>	

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information **2. Facility / Owner Information**

WI Unique Well No. _____		DNR Well ID No. _____		County <u>Rusk</u>		Facility Name <u>Enbridge Mile Post 85</u>	
Common Well Name <u>AS-S7</u>		Gov't Lot # (if applicable) _____		Facility ID _____		License/Permit/Monitoring No. _____	
City, Village or Town <u>Murray Twp</u>		Street Address of Well _____		Present Well Owner <u>Enbridge</u>		Original Well Owner _____	
1/4 <u>SW</u>	1/4 <u>NW</u>	Section <u>9</u>	Township <u>36 N</u>	Range <u>7</u>	<input type="checkbox"/> E <input checked="" type="checkbox"/> W	Street Address or Route of Owner _____	
Grid Location		Local Grid Origin <input type="checkbox"/>		(estimated) OR <input checked="" type="checkbox"/> Well Location		City _____ State <u>WI</u> ZIP Code _____	
Feet <input type="checkbox"/> N <input type="checkbox"/> S	Feet <input type="checkbox"/> E <input type="checkbox"/> W	Longitude: DEG MIN SEC _____ N		Latitude: DEG MIN SEC _____ W		Reason For Abandonment <u>decommission/abandon</u>	
Reason For Abandonment <u>decommission/abandon</u>		WI Unique Well No. of Replacement Well _____					

3. Well / Drillhole / Borehole Information **4. Pump, Liner, Screen, Casing & Sealing Material**

<input checked="" type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Borehole / Drillhole		Original Construction Date <u>03/11/08</u>		Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Screen removed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A Casing left in place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Construction Type:		If a Well Construction Report is available, please attach.		Was casing cut off below surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (specify): _____				Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Formation Type:				Did material settle after 24 hours? If yes, was hole retopped? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock				If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Total Well Depth From Groundsurface (ft.) <u>23.28</u>		Casing Diameter (in.) <u>2</u>		Required Method of Placing Sealing Material	
Lower Drillhole Diameter (in.) _____		Casing Depth (ft.) _____		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____	
Was well annular space grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown				Sealing Materials	
If yes, to what depth (feet)? _____		Depth to Water (feet) <u>6.45</u>		<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " " <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Bentonite Chips	
				For Monitoring Wells and Monitoring Well Boreholes Only:	
				<input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry	

5. Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
<u>3/8" bentonite chips</u>	<u>Surface</u>	<u>23.28</u>	<u>3/4</u>	<u>-</u>

6. Comments

7. Supervision of Work		DNR Use Only	
Name of Person or Firm Doing Sealing Work <u>Coleman Engineering Company</u>		Date of Abandonment <u>12/07/16</u>	Date Received _____
Street or Route <u>635 Circle Drive</u>		Telephone Number <u>(906) 774-3440</u>	Noted By _____
City <u>Iron Mountain</u>		State <u>MI</u>	Comments _____
ZIP Code <u>49801</u>		Signature of Person Doing Work <u>Craig Ried</u>	Date Signed <u>12-15-16</u>

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information				2. Facility / Owner Information			
WI Unique Well No. _____		DNR Well ID No. _____		County <u>Rusk</u>		Facility Name <u>Enbridge Mile Post 85</u>	
Common Well Name <u>AS-58</u>				Gov't Lot # (if applicable) _____		Facility ID _____ License/Permit/Monitoring No. _____ City, Village or Town <u>Murry Twp</u>	
1/4 1/4 <u>SW</u>	1/4 <u>NW</u>	Section <u>9</u>	Township <u>36 N</u>	Range <u>7</u>	<input type="checkbox"/> E <input checked="" type="checkbox"/> W	Street Address of Well _____	
Grid Location Feet <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W <input type="checkbox"/> Local Grid Origin <input type="checkbox"/> (estimated) OR <input checked="" type="checkbox"/> Well Location				Present Well Owner <u>Enbridge</u> Original Well Owner _____			
Latitude: DEG MIN SEC _____ Longitude: DEG MIN SEC _____				Street Address or Route of Owner _____			
Reason For Abandonment <u>decommission/abandon</u>				City _____ State <u>WI</u> ZIP Code _____			
WI Unique Well No. of Replacement Well _____							

3. Well / Drillhole / Borehole Information				4. Pump, Liner, Screen, Casing & Sealing Material			
<input checked="" type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Borehole / Drillhole		Original Construction Date <u>03/11/08</u>		Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (specify): _____		If a Well Construction Report is available, please attach.		Screen removed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		Casing left in place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock				Was casing cut off below surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Total Well Depth From Groundsurface (ft.) <u>23.70</u>		Casing Diameter (in.) <u>2</u>		Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		If yes, was hole retopped? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Lower Drillhole Diameter (in.) _____		Casing Depth (ft.) _____		If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____	
Was well annular space grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown				Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Bentonite-Sand Slurry " " <input checked="" type="checkbox"/> Bentonite Chips		For Monitoring Wells and Monitoring Well Boreholes Only: <input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry	
If yes, to what depth (feet)? _____		Depth to Water (feet) <u>6.35</u>					

5. Material Used To Fill Well / Drillhole			
From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	23.70	3/4	-

6. Comments

7. Supervision of Work			DNR Use Only		
Name of Person or Firm Doing Sealing Work <u>Coleman Engineering Company</u>		Date of Abandonment <u>12/07/16</u>	Date Received _____	Noted By _____	
Street or Route <u>635 Circle Dr</u>		Telephone Number <u>(906) 774-3440</u>	Comments _____		
City <u>Iron Mountain</u>	State <u>MI</u>	ZIP Code <u>49801</u>	Signature of Person Doing Work <u>Craig Reed</u>		Date Signed <u>12-15-16</u>

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information **2. Facility / Owner Information**

WI Unique Well No. _____		DNR Well ID No. _____		County Rusk		Facility Name Enbridge Mile Post 85	
Common Well Name AS-59		Gov't Lot # (if applicable) _____		Facility ID _____		License/Permit/Monitoring No. _____	
City, Village or Town Murry Twp		Street Address of Well _____		Present Well Owner Enbridge		Original Well Owner _____	
1/4 1/4 SW	1/4 NW	Section 9	Township 36 N	Range 7	<input type="checkbox"/> E <input checked="" type="checkbox"/> W	Street Address or Route of Owner _____	
Grid Location		Local Grid Origin		City		State W	
Feet <input type="checkbox"/> N <input type="checkbox"/> S		Feet <input type="checkbox"/> E <input type="checkbox"/> W		<input type="checkbox"/> (estimated) OR <input checked="" type="checkbox"/> Well Location		ZIP Code _____	
Latitude: DEG MIN SEC		Longitude: DEG MIN SEC		City		State W	
Reason For Abandonment decommission/abandon		WI Unique Well No. of Replacement Well _____		City		State W	

3. Well / Drillhole / Borehole Information **4. Pump, Liner, Screen, Casing & Sealing Material**

<input checked="" type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Borehole / Drillhole		Original Construction Date 03/12/08		Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Screen removed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A Casing left in place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Construction Type:		If a Well Construction Report is available, please attach.		Was casing cut off below surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (specify): _____				Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Formation Type:				Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock				If yes, was hole retopped? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Total Well Depth From Groundsurface (ft.) 23.80		Casing Diameter (in.) 2		If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Lower Drillhole Diameter (in.) _____		Casing Depth (ft.) _____		Required Method of Placing Sealing Material	
Was well annular space grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown				<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____	
If yes, to what depth (feet)? _____		Depth to Water (feet) dry		Sealing Materials	
				<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " " <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Bentonite Chips	
				For Monitoring Wells and Monitoring Well Boreholes Only:	
				<input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry	

5. Material Used To Fill Well / Drillhole			
From (ft.)	To (ft.)	No. Yards, (Sacks Sealant or Volume (circle one))	Mix Ratio or Mud Weight
Surface	23.80	3/4	-

6. Comments

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Sealing Work Coleman Engineering Company		Date of Abandonment 12/07/16	Date Received	Noted By
Street or Route 635 Circle Dr.		Telephone Number (906) 774-3440	Comments	
City Iron Mountain	State MI	ZIP Code 49801	Signature of Person Doing Work Craig Keel	Date Signed 12-15-16

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information **2. Facility / Owner Information**

WI Unique Well No.		DNR Well ID No.		County Rusk		Facility Name Enbridge Mile Post 85	
Common Well Name AS-S10		Gov't Lot # (if applicable)		Facility ID		License/Permit/Monitoring No. City, Village or Town Murry Twp	
¼ / ¼ SW	¼ NW	Section 9	Township 36 N	Range 7	<input type="checkbox"/> E <input checked="" type="checkbox"/> W	Street Address of Well	
Grid Location		Local Grid Origin		Present Well Owner Enbridge		Original Well Owner	
Feet <input type="checkbox"/> N <input type="checkbox"/> S	Feet <input type="checkbox"/> E <input type="checkbox"/> W	<input type="checkbox"/> (estimated) OR <input checked="" type="checkbox"/> Well Location		Street Address or Route of Owner		City WI	
Latitude: DEG MIN SEC N		Longitude: DEG MIN SEC W		State		ZIP Code	
Reason For Abandonment decommission/abandon		WI Unique Well No. of Replacement Well		City		State	

3. Well / Drillhole / Borehole Information **4. Pump, Liner, Screen, Casing & Sealing Material**

<input checked="" type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Borehole / Drillhole		Original Construction Date 03/12/08		Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Screen removed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A Casing left in place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Construction Type:		If a Well Construction Report is available, please attach.		Was casing cut off below surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (specify): _____				Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Formation Type:				Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock				If yes, was hole retopped? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Total Well Depth From Groundsurface (ft.) 24.00		Casing Diameter (in.) 2		If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Lower Drillhole Diameter (in.)		Casing Depth (ft.)		Required Method of Placing Sealing Material	
Was well annular space grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown				<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____	
If yes, to what depth (feet)?		Depth to Water (feet) 6.22		Sealing Materials	
				<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " " <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Bentonite Chips	
				For Monitoring Wells and Monitoring Well Boreholes Only:	
				<input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry	

5. Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" bentonite chips	Surface	24.00	3/4	-

6. Comments

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Sealing Work Coleman Engineering Company		Date of Abandonment 12/07/16	Date Received	Noted By
Street or Route 635 Circle Dr		Telephone Number (906) 774-3440	Comments	
City Iron Mountain	State MI	ZIP Code 49801	Signature of Person Doing Work <i>Craig Reed</i>	Date Signed 12-15-16

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information				2. Facility / Owner Information			
WI Unique Well No.		DNR Well ID No.		County		Facility Name	
_____		_____		Rusk		Enbridge Mile Post 85	
Common Well Name				Gov't Lot # (if applicable)		City, Village or Town	
AS-511				_____		Murry Twp	
1/4 1/4	1/4	Section	Township	Range	<input type="checkbox"/> E	Street Address of Well	
SW	NW	9	36 N	7	<input checked="" type="checkbox"/> W	_____	
Grid Location				Present Well Owner			
Feet <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W				Enbridge			
<input type="checkbox"/> Local Grid Origin				Original Well Owner			
<input type="checkbox"/> (estimated) OR <input checked="" type="checkbox"/> Well Location				Street Address or Route of Owner			
Latitude: DEG MIN SEC				Longitude: DEG MIN SEC			
_____ N _____ W				City State ZIP Code			
_____				_____ WI _____			
Reason For Abandonment				WI Unique Well No. of Replacement Well			
decommission/abandon				_____			

3. Well / Drillhole / Borehole Information				4. Pump, Liner, Screen, Casing & Sealing Material			
<input checked="" type="checkbox"/> Monitoring Well		Original Construction Date		Pump and piping removed?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Water Well		03/12/08		Liner(s) removed?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Borehole / Drillhole		If a Well Construction Report is available, please attach.		Screen removed?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Construction Type:				Casing left in place?			
<input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
<input type="checkbox"/> Other (specify): _____				Was casing cut off below surface?			
Formation Type:				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
<input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock				Did sealing material rise to surface?			
Total Well Depth From Groundsurface (ft.)				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
24.40				Did material settle after 24 hours?			
Casing Diameter (in.)				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
2				If yes, was hole retopped?			
Lower Drillhole Diameter (in.)				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
Casing Depth (ft.)				If bentonite chips were used, were they hydrated with water from a known safe source?			
Was well annular space grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
If yes, to what depth (feet)?				Required Method of Placing Sealing Material			
Depth to Water (feet)				<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped			
6.06				<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____			

5. Material Used To Fill Well / Drillhole			
From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	24.40	3/4	-

6. Comments

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Sealing Work		Date of Abandonment	Date Received	Noted By
Coleman Engineering Company		12/07/16		
Street or Route		Telephone Number	Comments	
635 Circle Dr		(906) 774-3440		
City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Iron Mountain	MI	49801	Craig Reich	12-19-16

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information

WI Unique Well No. _____ DNR Well ID No. _____ County Rusk
 Common Well Name AS-512 Gov't Lot # (if applicable) _____
 1/4 SW 1/4 NW Section 9 Township 36 N Range 7 E W
 Grid Location
 Feet N S E W Local Grid Origin (estimated) OR Well Location
 Latitude: DEG MIN SEC _____ Longitude: DEG MIN SEC _____
 N _____ W _____

2. Facility / Owner Information

Facility Name Enbridge Mile Post 85
 Facility ID _____ License/Permit/Monitoring No. _____ City, Village or Town Murray Twp
 Street Address of Well _____
 Present Well Owner Enbridge Original Well Owner _____
 Street Address or Route of Owner _____
 City _____ State WI ZIP Code _____

Reason For Abandonment decommission/abandon WI Unique Well No. of Replacement Well _____

3. Well / Drillhole / Borehole Information

Monitoring Well Water Well Borehole / Drillhole
 Original Construction Date 03/12/08
 If a Well Construction Report is available, please attach. _____
 Construction Type:
 Drilled Driven (Sandpoint) Dug
 Other (specify): _____
 Formation Type:
 Unconsolidated Formation Bedrock
 Total Well Depth From Groundsurface (ft.) 24.18 Casing Diameter (in.) 2
 Lower Drillhole Diameter (in.) _____ Casing Depth (ft.) _____
 Was well annular space grouted? Yes No Unknown
 If yes, to what depth (feet)? _____ Depth to Water (feet) 5.75

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed? Yes No N/A
 Liner(s) removed? Yes No N/A
 Screen removed? Yes No N/A
 Casing left in place? Yes No N/A
 Was casing cut off below surface? Yes No N/A
 Did sealing material rise to surface? Yes No N/A
 Did material settle after 24 hours? Yes No N/A
 If yes, was hole retopped? Yes No N/A
 If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A
 Required Method of Placing Sealing Material
 Conductor Pipe-Gravity Conductor Pipe-Pumped
 Screened & Poured (Bentonite Chips) Other (Explain): _____
 Sealing Materials
 Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)
 Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " "
 Concrete Bentonite Chips
 For Monitoring Wells and Monitoring Well Boreholes Only:
 Bentonite Chips Bentonite - Cement Grout
 Granular Bentonite Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	24.18	3/4	-

6. Comments

7. Supervision of Work

Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Sealing Work <u>Coleman Engineering Company</u>	Date of Abandonment <u>12/07/16</u>	Date Received	Noted By	
Street or Route <u>635 Circle Dr</u>	Telephone Number <u>(906) 774-3440</u>	Comments		
City <u>Iron Mountain</u>	State <u>MI</u>	ZIP Code <u>49801</u>	Signature of Person Doing Work <u>Craig Koch</u>	Date Signed <u>12-15-16</u>

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information **2. Facility / Owner Information**

WI Unique Well No. _____		DNR Well ID No. _____		County <u>Rusk</u>		Facility Name <u>Enbridge 1/2 Mile Post 85</u>	
Common Well Name <u>AS-513</u>				Gov't Lot # (if applicable) _____		Facility ID _____	
License/Permit/Monitoring No. _____		City, Village or Town <u>Murry Twp</u>					
1/4 1/4 <u>SW</u>	1/4 <u>NW</u>	Section <u>9</u>	Township <u>36 N</u>	Range <u>7</u>	<input type="checkbox"/> E	Street Address of Well _____	
						<input checked="" type="checkbox"/> W	
Grid Location				Present Well Owner <u>Enbridge</u>			
Feet <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W				Original Well Owner _____			
<input type="checkbox"/> Local Grid Origin				Street Address or Route of Owner _____			
<input type="checkbox"/> (estimated) OR <input checked="" type="checkbox"/> Well Location				City _____ State <u>WI</u> ZIP Code _____			
Latitude: DEG MIN SEC _____		Longitude: DEG MIN SEC _____					
N _____		W _____					
Reason For Abandonment <u>decommission/abandon</u>				WI Unique Well No. of Replacement Well _____			

3. Well / Drillhole / Borehole Information **4. Pump, Liner, Screen, Casing & Sealing Material**

<input checked="" type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Borehole / Drillhole		Original Construction Date <u>03/12/08</u>		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Construction Type:		If a Well Construction Report is available, please attach.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (specify): _____				<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Formation Type:				<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock				<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Total Well Depth From Groundsurface (ft.) <u>24.63</u>		Casing Diameter (in.) <u>2</u>		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Lower Drillhole Diameter (in.) _____		Casing Depth (ft.) _____		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Was well annular space grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown				<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
If yes, to what depth (feet)? _____		Depth to Water (feet) <u>5.05</u>		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

5. Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
<u>3/8" bentonite chips</u>	<u>Surface</u>	<u>24.63</u>	<u>3/4</u>	<u>-</u>

6. Comments

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Sealing Work <u>Coleman Engineering Company</u>		Date of Abandonment <u>12/07/16</u>	Date Received _____	Noted By _____
Street or Route <u>635 Circle Dr</u>		Telephone Number <u>(906) 774-3440</u>	Comments _____	
City <u>Iron Mountain</u>	State <u>MI</u>	ZIP Code <u>49801</u>	Signature of Person Doing Work <u>Craig Ruder</u>	Date Signed <u>12-15-16</u>

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information

WI Unique Well No. _____ DNR Well ID No. _____ County Rusk

Common Well Name AS-514 Gov't Lot # (if applicable) _____

1/4 SW SW 1/4 NW NW Section 9 Township 36 N Range 7 E W

Grid Location
 Feet N S E W Local Grid Origin (estimated) OR Well Location

Latitude: DEG MIN SEC _____ Longitude: DEG MIN SEC _____

2. Facility / Owner Information

Facility Name Enbridge Mile Post 85

Facility ID _____ License/Permit/Monitoring No. _____ City, Village or Town Murray Twp

Street Address of Well _____

Present Well Owner Enbridge Original Well Owner _____

Street Address or Route of Owner _____

City _____ State WI ZIP Code _____

Reason For Abandonment decommission/abandon WI Unique Well No. of Replacement Well _____

3. Well / Drillhole / Borehole Information

Monitoring Well Water Well Borehole / Drillhole

Original Construction Date 03/13/08

If a Well Construction Report is available, please attach. _____

Construction Type:
 Drilled Driven (Sandpoint) Dug Other (specify): _____

Formation Type:
 Unconsolidated Formation Bedrock

Total Well Depth From Groundsurface (ft.) 23.92 Casing Diameter (in.) 2

Lower Drillhole Diameter (in.) _____ Casing Depth (ft.) _____

Was well annular space grouted? Yes No Unknown

If yes, to what depth (feet)? _____ Depth to Water (feet) 5.9

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed? Yes No N/A

Liner(s) removed? Yes No N/A

Screen removed? Yes No N/A

Casing left in place? Yes No N/A

Was casing cut off below surface? Yes No N/A

Did sealing material rise to surface? Yes No N/A

Did material settle after 24 hours? Yes No N/A

If yes, was hole retopped? Yes No N/A

If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A

Required Method of Placing Sealing Material
 Conductor Pipe-Gravity Conductor Pipe-Pumped
 Screened & Poured (Bentonite Chips) Other (Explain): _____

Sealing Materials
 Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)
 Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " "
 Concrete Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
 Bentonite Chips Bentonite - Cement Grout
 Granular Bentonite Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	<u>23.9</u>	<u>3/4 sack</u>	

6. Comments

7. Supervision of Work

Supervision of Work		DNR Use Only	
Name of Person or Firm Doing Sealing Work <u>Coleman Engineering Company</u>	Date of Abandonment <u>12/07/16</u>	Date Received	Noted By
Street or Route <u>635 W Circle Dr</u>	Telephone Number <u>(800) 774-3440</u>	Comments	
City <u>Iron Mountain</u>	State <u>MI</u>	ZIP Code <u>49801</u>	Signature of Person Doing Work <u>Craig Reed</u>
			Date Signed <u>12-15-16</u>

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information

WI Unique Well No. _____ DNR Well ID No. _____ County Rusk
 Common Well Name AS-515 Gov't Lot # (if applicable) _____
 1/4 1/4 Section Township Range E W
SW NW 9 36 N 7
 Grid Location
 Feet N Feet E Local Grid Origin
 S W (estimated) OR Well Location
 Latitude: DEG MIN SEC _____ Longitude: DEG MIN SEC _____
 _____ N _____ W

Reason For Abandonment decommission/abandon WI Unique Well No. of Replacement Well _____

3. Well / Drillhole / Borehole Information

Monitoring Well Original Construction Date 03/13/08
 Water Well
 Borehole / Drillhole
 If a Well Construction Report is available, please attach.
 Construction Type:
 Drilled Driven (Sandpoint) Dug
 Other (specify): _____
 Formation Type:
 Unconsolidated Formation Bedrock

Total Well Depth From Groundsurface (ft.) 24.28 Casing Diameter (in.) 2
 Lower Drillhole Diameter (in.) _____ Casing Depth (ft.) _____

Was well annular space grouted? Yes No Unknown
 If yes, to what depth (feet)? _____ Depth to Water (feet) 5.44

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	<u>24.3</u>	<u>3/4" Sacks</u>	

6. Comments

2. Facility / Owner Information

Facility Name Enbridge Mile Post 85
 Facility ID _____ License/Permit/Monitoring No. _____ City, Village or Town Murray Twp
 Street Address of Well _____
 Present Well Owner Enbridge Original Well Owner _____
 Street Address or Route of Owner _____
 City _____ State WI ZIP Code _____

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed? Yes No N/A
 Liner(s) removed? Yes No N/A
 Screen removed? Yes No N/A
 Casing left in place? Yes No N/A
 Was casing cut off below surface? Yes No N/A
 Did sealing material rise to surface? Yes No N/A
 Did material settle after 24 hours? Yes No N/A
 If yes, was hole retopped? Yes No N/A
 If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A

Required Method of Placing Sealing Material
 Conductor Pipe-Gravity Conductor Pipe-Pumped
 Screened & Poured (Bentonite Chips) Other (Explain): _____

Sealing Materials
 Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)
 Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " "
 Concrete Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
 Bentonite Chips Bentonite - Cement Grout
 Granular Bentonite Bentonite - Sand Slurry

7. Supervision of Work

Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Sealing Work <u>Coleman Engineering Company</u>	Date of Abandonment <u>12/07/16</u>	Date Received	Noted By	
Street or Route <u>635 Circle Dr</u>	Telephone Number <u>(906) 774-3440</u>	Comments		
City <u>Iron Mountain</u>	State <u>MI</u>	ZIP Code <u>49801</u>	Signature of Person Doing Work <u>Way Ruch</u>	Date Signed <u>12-15-16</u>

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information

WI Unique Well No. _____ DNR Well ID No. _____ County Rusk
 Common Well Name AS-S16 Gov't Lot # (if applicable) _____
 1/4 SW 1/4 NW Section 9 Township 36 N Range 7 E W
 Grid Location: Feet N S E W Local Grid Origin (estimated) OR Well Location
 Latitude: DEG MIN SEC _____ Longitude: DEG MIN SEC _____

2. Facility / Owner Information

Facility Name Enbridge Mile Post 85
 Facility ID _____ License/Permit/Monitoring No. _____ City, Village or Town Murray Twp
 Street Address of Well _____
 Present Well Owner Enbridge Original Well Owner _____
 Street Address or Route of Owner _____
 City _____ State WI ZIP Code _____

Reason For Abandonment

decommission/abandon WI Unique Well No. of Replacement Well _____

3. Well / Drillhole / Borehole Information

Monitoring Well Water Well Borehole / Drillhole
 Original Construction Date 03/13/08
 If a Well Construction Report is available, please attach. _____
 Construction Type:
 Drilled Driven (Sandpoint) Dug
 Other (specify): _____
 Formation Type:
 Unconsolidated Formation Bedrock
 Total Well Depth From Groundsurface (ft.) 23.65 Casing Diameter (in.) 2
 Lower Drillhole Diameter (in.) _____ Casing Depth (ft.) _____
 Was well annular space grouted? Yes No Unknown
 If yes, to what depth (feet)? _____ Depth to Water (feet) 5.7

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed? Yes No N/A
 Liner(s) removed? Yes No N/A
 Screen removed? Yes No N/A
 Casing left in place? Yes No N/A
 Was casing cut off below surface? Yes No N/A
 Did sealing material rise to surface? Yes No N/A
 Did material settle after 24 hours? Yes No N/A
 If yes, was hole retopped? Yes No N/A
 If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A
 Required Method of Placing Sealing Material
 Conductor Pipe-Gravity Conductor Pipe-Pumped
 Screened & Poured (Bentonite Chips) Other (Explain): _____
 Sealing Materials
 Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)
 Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " "
 Concrete Bentonite Chips
 For Monitoring Wells and Monitoring Well Boreholes Only:
 Bentonite Chips Bentonite - Cement Grout
 Granular Bentonite Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	23.7	3/4 Sacks	

6. Comments

7. Supervision of Work

Supervision of Work		DNR Use Only	
Name of Person or Firm Doing Sealing Work <u>Coleman Engineering Company</u>	Date of Abandonment <u>12/07/16</u>	Date Received	Noted By
Street or Route <u>635 Circle Dr</u>	Telephone Number <u>906) 774-3440</u>	Comments	
City <u>Iron Mountain</u>	State <u>MI</u>	ZIP Code <u>49801</u>	Signature of Person Doing Work <u>Way Riehl</u>
			Date Signed <u>12-15-16</u>

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information **2. Facility / Owner Information**

WI Unique Well No. _____		DNR Well ID No. _____		County <u>Rusk</u>		Facility Name <u>Enbridge Mile Post 85</u>	
Common Well Name <u>AS-S17</u>				Gov't Lot # (if applicable) _____		Facility ID _____	
License/Permit/Monitoring No. _____		City, Village or Town <u>Murray Twp</u>					
1/4	1/4	Section	Township	Range	<input type="checkbox"/> E	Street Address of Well _____	
<u>SW</u>	<u>NW</u>	<u>9</u>	<u>36 N</u>	<u>7</u>	<input checked="" type="checkbox"/> W	_____	
Grid Location				Local Grid Origin <input type="checkbox"/>			
Feet	<input type="checkbox"/> N	Feet	<input type="checkbox"/> E	_____			
<input type="checkbox"/> S	<input type="checkbox"/> W	(estimated) OR <input checked="" type="checkbox"/> Well Location				Present Well Owner <u>Enbridge</u>	
Latitude: DEG MIN SEC _____		Longitude: DEG MIN SEC _____		Original Well Owner _____			
_____ N _____ W		_____ N _____ W		Street Address or Route of Owner _____			
City _____		State <u>WI</u>		ZIP Code _____			
Reason For Abandonment <u>decommission/abandon</u>		WI Unique Well No. of Replacement Well _____					

3. Well / Drillhole / Borehole Information **4. Pump, Liner, Screen, Casing & Sealing Material**

<input checked="" type="checkbox"/> Monitoring Well		Original Construction Date <u>03/13/88</u>	
<input type="checkbox"/> Water Well		If a Well Construction Report is available, please attach. _____	
<input type="checkbox"/> Borehole / Drillhole		_____	
Construction Type:			
<input checked="" type="checkbox"/> Drilled		<input type="checkbox"/> Driven (Sandpoint)	
<input type="checkbox"/> Other (specify): _____		<input type="checkbox"/> Dug	
Formation Type:			
<input checked="" type="checkbox"/> Unconsolidated Formation		<input type="checkbox"/> Bedrock	
Total Well Depth From Groundsurface (ft.) <u>23.73</u>		Casing Diameter (in.) <u>2</u>	
Lower Drillhole Diameter (in.) _____		Casing Depth (ft.) _____	
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown			
If yes, to what depth (feet)? _____		Depth to Water (feet) <u>5.2</u>	

Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
Screen removed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
Casing left in place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Was casing cut off below surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Required Method of Placing Sealing Material			
<input type="checkbox"/> Conductor Pipe-Gravity		<input type="checkbox"/> Conductor Pipe-Pumped	
<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips)		<input type="checkbox"/> Other (Explain): _____	
Sealing Materials			
<input type="checkbox"/> Neat Cement Grout		<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)	
<input type="checkbox"/> Sand-Cement (Concrete) Grout		<input type="checkbox"/> Bentonite-Sand Slurry " "	
<input type="checkbox"/> Concrete		<input checked="" type="checkbox"/> Bentonite Chips	
For Monitoring Wells and Monitoring Well Boreholes Only:			
<input checked="" type="checkbox"/> Bentonite Chips		<input type="checkbox"/> Bentonite - Cement Grout	
<input type="checkbox"/> Granular Bentonite		<input type="checkbox"/> Bentonite - Sand Slurry	

5. Material Used To Fill Well / Drillhole			
From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	<u>23.7</u>	<u>3/4" Sacks</u>	

6. Comments

7. Supervision of Work		DNR Use Only	
Name of Person or Firm Doing Sealing Work <u>Coleman Engineering Company</u>		Date of Abandonment <u>12/07/16</u>	Date Received _____
Street or Route <u>635 Circle Dr</u>		Telephone Number <u>(906) 774-3440</u>	Noted By _____
City <u>Iron Mountain</u>		State <u>MI</u>	ZIP Code <u>49801</u>
Signature of Person Doing Work <u>Way Reed</u>		Date Signed <u>12-15-16</u>	

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Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information

WI Unique Well No.		DNR Well ID No.		County Rusk	
Common Well Name AS-518		Gov't Lot # (if applicable)			
1/4	1/4	Section	Township	Range	<input type="checkbox"/> E <input checked="" type="checkbox"/> W
SW	NW	9	36 N	7	
Grid Location			<input type="checkbox"/> Local Grid Origin		
Feet	<input type="checkbox"/> N <input type="checkbox"/> S	Feet	<input type="checkbox"/> E <input type="checkbox"/> W	<input type="checkbox"/> (estimated) OR <input checked="" type="checkbox"/> Well Location	
Latitude: DEG MIN SEC		Longitude: DEG MIN SEC			
		N W			

2. Facility / Owner Information

Facility Name Enbridge Mile Post 85		
Facility ID	License/Permit/Monitoring No.	City, Village or Town Murray Twp
Street Address of Well		
Present Well Owner Enbridge		Original Well Owner
Street Address or Route of Owner		
City	State WI	ZIP Code

Reason For Abandonment **decommission/abandon** WI Unique Well No. of Replacement Well _____

3. Well / Drillhole / Borehole Information

<input checked="" type="checkbox"/> Monitoring Well	Original Construction Date 03/13/08
<input type="checkbox"/> Water Well	
<input type="checkbox"/> Borehole / Drillhole	
If a Well Construction Report is available, please attach.	
Construction Type:	
<input checked="" type="checkbox"/> Drilled	<input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug
<input type="checkbox"/> Other (specify): _____	
Formation Type:	
<input checked="" type="checkbox"/> Unconsolidated Formation	<input type="checkbox"/> Bedrock
Total Well Depth From Groundsurface (ft.) 23.38	Casing Diameter (in.) 2
Lower Drillhole Diameter (in.)	Casing Depth (ft.)
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	
If yes, to what depth (feet)?	Depth to Water (feet) 4.5

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Liner(s) removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Screen removed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Casing left in place?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Was casing cut off below surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Did material settle after 24 hours?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Required Method of Placing Sealing Material	
<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____	
Sealing Materials	
<input type="checkbox"/> Neat Cement Grout	<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)
<input type="checkbox"/> Sand-Cement (Concrete) Grout	<input type="checkbox"/> Bentonite-Sand Slurry " "
<input type="checkbox"/> Concrete	<input checked="" type="checkbox"/> Bentonite Chips
For Monitoring Wells and Monitoring Well Boreholes Only:	
<input checked="" type="checkbox"/> Bentonite Chips	<input type="checkbox"/> Bentonite - Cement Grout
<input type="checkbox"/> Granular Bentonite	<input type="checkbox"/> Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	23.4	3/4 sack	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work Coleman Engineering Company		Date of Abandonment 12/07/16		Date Received		Noted By	
Street or Route 635 Circle Drive		Telephone Number (906) 774-3440		Comments			
City Iron Mountain	State MI	ZIP Code 49801	Signature of Person Doing Work Gary Rich		Date Signed 12-15-16		

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information

WI Unique Well No. _____ DNR Well ID No. _____ County Rusk

Common Well Name AS-S9 Gov't Lot # (if applicable) _____

1/4 1/4 SW NW Section 9 Township 36 N Range 7 E W

Grid Location
 Feet N S E W Local Grid Origin (estimated) OR Well Location

Latitude: DEG MIN SEC _____ Longitude: DEG MIN SEC _____

Reason For Abandonment decommission/abandon WI Unique Well No. of Replacement Well _____

2. Facility / Owner Information

Facility Name Enbridge Mile Post 85

Facility ID _____ License/Permit/Monitoring No. _____ City, Village or Town Murray Twp

Street Address of Well _____

Present Well Owner Enbridge Original Well Owner _____

Street Address or Route of Owner _____

City _____ State WI ZIP Code _____

3. Well / Drillhole / Borehole Information

Monitoring Well Water Well Borehole / Drillhole

Original Construction Date 03/13/08

If a Well Construction Report is available, please attach. _____

Construction Type:
 Drilled Driven (Sandpoint) Dug Other (specify): _____

Formation Type:
 Unconsolidated Formation Bedrock

Total Well Depth From Groundsurface (ft.) 22.78 Casing Diameter (in.) 2

Lower Drillhole Diameter (in.) _____ Casing Depth (ft.) _____

Was well annular space grouted? Yes No Unknown

If yes, to what depth (feet)? _____ Depth to Water (feet) 4.20

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed? Yes No N/A

Liner(s) removed? Yes No N/A

Screen removed? Yes No N/A

Casing left in place? Yes No N/A

Was casing cut off below surface? Yes No N/A

Did sealing material rise to surface? Yes No N/A

Did material settle after 24 hours? Yes No N/A
 If yes, was hole retopped? Yes No N/A

If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A

Required Method of Placing Sealing Material
 Conductor Pipe-Gravity Conductor Pipe-Pumped
 Screened & Poured (Bentonite Chips) Other (Explain): _____

Sealing Materials
 Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)
 Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " "
 Concrete Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
 Bentonite Chips Bentonite - Cement Grout
 Granular Bentonite Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	22.8	3/4 sack	

6. Comments

7. Supervision of Work

Supervision of Work		DNR Use Only	
Name of Person or Firm Doing Sealing Work <u>Coleman Engineering Company</u>	Date of Abandonment <u>12/07/16</u>	Date Received	Noted By
Street or Route <u>635 Circle Drive</u>	Telephone Number <u>(906) 774-3440</u>	Comments	
City <u>Iron Mountain</u>	State <u>MI</u>	ZIP Code <u>49801</u>	Signature of Person Doing Work <u>Craig Keith</u>
			Date Signed <u>12-15-16</u>

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information **2. Facility / Owner Information**

WI Unique Well No. _____		DNR Well ID No. _____		County <u>Rusk</u>		Facility Name <u>Enbridge Mile Post 85</u>	
Common Well Name <u>AS-N18</u>		Gov't Lot # (if applicable) _____		Facility ID _____		License/Permit/Monitoring No. _____	
1/4	1/4	Section	Township	Range	<input type="checkbox"/> E	Street Address of Well _____	
<u>SW</u>	<u>NW</u>	<u>9</u>	<u>36 N</u>	<u>7</u>	<input checked="" type="checkbox"/> W	Present Well Owner <u>Enbridge</u>	
Grid Location		Local Grid Origin		Original Well Owner _____			
Feet	<input type="checkbox"/> N	Feet	<input type="checkbox"/> E	Street Address or Route of Owner _____			
<input type="checkbox"/> S	<input type="checkbox"/> W	<input type="checkbox"/> (estimated) OR <input checked="" type="checkbox"/> Well Location		City _____ State <u>WI</u> ZIP Code _____			
Latitude: DEG MIN SEC _____		Longitude: DEG MIN SEC _____		Reason For Abandonment <u>decommission/abandon</u>			
_____		_____		WI Unique Well No. of Replacement Well _____			

3. Well / Drillhole / Borehole Information **4. Pump, Liner, Screen, Casing & Sealing Material**

<input checked="" type="checkbox"/> Monitoring Well		Original Construction Date <u>03/14/08</u>		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Water Well		If a Well Construction Report is available, please attach.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Borehole / Drillhole		Construction Type:		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Drilled		<input type="checkbox"/> Driven (Sandpoint)		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
<input type="checkbox"/> Other (specify): _____		<input type="checkbox"/> Dug		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Formation Type:		Was casing cut off below surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Unconsolidated Formation		<input type="checkbox"/> Bedrock		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Total Well Depth From Groundsurface (ft.) <u>19.98</u>		Casing Diameter (in.) <u>2</u>		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Lower Drillhole Diameter (in.) _____		Casing Depth (ft.) _____		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Was well annular space grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		If yes, to what depth (feet)? _____		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
_____		Depth to Water (feet) <u>1.81</u>		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

5. Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
<u>3/8" bentonite chips</u>	<u>Surface</u>	<u>19.98</u>	<u>3/4</u>	<u>-</u>

6. Comments

7. Supervision of Work **DNR Use Only**

Name of Person or Firm Doing Sealing Work <u>Coleman Engineering Company</u>		Date of Abandonment <u>12/08/16</u>		Date Received _____		Noted By _____	
Street or Route <u>635 Circle Dr</u>		Telephone Number <u>(906)774-3440</u>		Comments _____			
City <u>Iron Mountain</u>		State <u>MI</u>		ZIP Code <u>49801</u>		Signature of Person Doing Work <u>[Signature]</u>	
						Date Signed <u>12-15-16</u>	

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information

WI Unique Well No. _____ DNR Well ID No. _____ County Rusk

Common Well Name AS-N19 Gov't Lot # (if applicable) _____

1/4 1/4 SW 1/4 NW Section 9 Township 36 N Range 7 E W

Grid Location
 Feet N E S W Local Grid Origin (estimated) OR Well Location

Latitude: DEG MIN SEC _____ Longitude: DEG MIN SEC _____

2. Facility / Owner Information

Facility Name Enbridge Mile Post 85

Facility ID _____ License/Permit/Monitoring No. _____ City, Village or Town Murray Twp

Street Address of Well _____

Present Well Owner Enbridge Original Well Owner _____

Street Address or Route of Owner _____

City _____ State WI ZIP Code _____

3. Well / Drillhole / Borehole Information

Reason For Abandonment decommission or abandon WI Unique Well No. of Replacement Well _____

Monitoring Well Water Well Borehole / Drillhole

Original Construction Date 03/14/08

If a Well Construction Report is available, please attach.

Construction Type:
 Drilled Driven (Sandpoint) Dug Other (specify): _____

Formation Type:
 Unconsolidated Formation Bedrock

Total Well Depth From Groundsurface (ft.) 21.71 Casing Diameter (in.) 2

Lower Drillhole Diameter (in.) _____ Casing Depth (ft.) _____

Was well annular space grouted? Yes No Unknown

If yes, to what depth (feet)? _____ Depth to Water (feet) 3.04

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed? Yes No N/A

Liner(s) removed? Yes No N/A

Screen removed? Yes No N/A

Casing left in place? Yes No N/A

Was casing cut off below surface? Yes No N/A

Did sealing material rise to surface? Yes No N/A

Did material settle after 24 hours? Yes No N/A
 If yes, was hole retopped? Yes No N/A

If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A

Required Method of Placing Sealing Material
 Conductor Pipe-Gravity Conductor Pipe-Pumped
 Screened & Poured (Bentonite Chips) Other (Explain): _____

Sealing Materials
 Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)
 Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " "
 Concrete Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
 Bentonite Chips Bentonite - Cement Grout
 Granular Bentonite Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	21.71	3/4	-

6. Comments

7. Supervision of Work

Supervision of Work		DNR Use Only	
Name of Person or Firm Doing Sealing Work <u>Coleman Engineering Company</u>	Date of Abandonment <u>12/08/16</u>	Date Received	Noted By
Street or Route <u>635 Circle Dr</u>	Telephone Number <u>(906)774-3440</u>	Comments	
City <u>Iron Mountain</u>	State <u>MI</u>	ZIP Code <u>49801</u>	Signature of Person Doing Work <u>Tracy Ruder</u>
			Date Signed <u>12-15-16</u>

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information **2. Facility / Owner Information**

WI Unique Well No. _____		DNR Well ID No. _____		County Rusk		Facility Name Enbridge Mile Post 85	
Common Well Name AS-N20				Gov't Lot # (if applicable) _____		Facility ID _____	
License/Permit/Monitoring No. _____		City, Village or Town Murray Twp					
1/4 1/4 SW	1/4 NW	Section 9	Township 36 N	Range 7	<input type="checkbox"/> E <input checked="" type="checkbox"/> W		
Grid Location				Street Address of Well _____			
Feet <input type="checkbox"/> N <input type="checkbox"/> S		Feet <input type="checkbox"/> E <input type="checkbox"/> W		<input type="checkbox"/> Local Grid Origin		Present Well Owner Enbridge	
<input type="checkbox"/> (estimated) OR <input checked="" type="checkbox"/> Well Location				Original Well Owner _____			
Latitude: DEG MIN SEC _____				Longitude: DEG MIN SEC _____			
City _____		State WI		ZIP Code _____			

Reason For Abandonment
decommission/abandon

WI Unique Well No. of Replacement Well _____

3. Well / Drillhole / Borehole Information

Monitoring Well
 Water Well
 Borehole / Drillhole

Original Construction Date
03/14/08

If a Well Construction Report is available, please attach. _____

Construction Type:
 Drilled Driven (Sandpoint) Dug
 Other (specify): _____

Formation Type:
 Unconsolidated Formation Bedrock

Total Well Depth From Groundsurface (ft.) **22.58** Casing Diameter (in.) **2**

Lower Drillhole Diameter (in.) _____ Casing Depth (ft.) _____

Was well annular space grouted? Yes No Unknown

If yes, to what depth (feet)? _____ Depth to Water (feet) **3.75**

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed? Yes No N/A

Liner(s) removed? Yes No N/A

Screen removed? Yes No N/A

Casing left in place? Yes No N/A

Was casing cut off below surface? Yes No N/A

Did sealing material rise to surface? Yes No N/A

Did material settle after 24 hours?
 If yes, was hole retopped? Yes No N/A

If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A

Required Method of Placing Sealing Material
 Conductor Pipe-Gravity Conductor Pipe-Pumped
 Screened & Poured (Bentonite Chips) Other (Explain): _____

Sealing Materials
 Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)
 Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " "
 Concrete Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
 Bentonite Chips Bentonite - Cement Grout
 Granular Bentonite Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	22.58	3/4	—

6. Comments

7. Supervision of Work **DNR Use Only**

Name of Person or Firm Doing Sealing Work Coleman Engineering Company		Date of Abandonment 12/08/16	Date Received	Noted By
Street or Route 635 Circle Drive		Telephone Number (906) 774-3440	Comments	
City Iron Mountain	State MI	ZIP Code 49801	Signature of Person Doing Work <i>Craig Rich</i>	Date Signed 12-15-16

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information

WI Unique Well No. _____ DNR Well ID No. _____ County Rusk

Common Well Name AS-N21 Gov't Lot # (if applicable) _____

1/4 1/4 Section Township Range E W
SW NW 9 36 N 7

Grid Location
 Feet N S E W Local Grid Origin (estimated) OR Well Location

Latitude: DEG MIN SEC _____ Longitude: DEG MIN SEC _____
 _____ N _____ W

2. Facility / Owner Information

Facility Name Enbridge Mile Post 85

Facility ID _____ License/Permit/Monitoring No. _____ City, Village or Town Murray Twp

Street Address of Well _____

Present Well Owner Enbridge Original Well Owner _____

Street Address or Route of Owner _____

City _____ State WI ZIP Code _____

Reason For Abandonment decommission/abandon WI Unique Well No. of Replacement Well _____

3. Well / Drillhole / Borehole Information

Monitoring Well Water Well Borehole / Drillhole

Original Construction Date 03/17/08

If a Well Construction Report is available, please attach. _____

Construction Type:
 Drilled Driven (Sandpoint) Dug
 Other (specify): _____

Formation Type:
 Unconsolidated Formation Bedrock

Total Well Depth From Groundsurface (ft.) 22.40 Casing Diameter (in.) 2

Lower Drillhole Diameter (in.) _____ Casing Depth (ft.) _____

Was well annular space grouted? Yes No Unknown

If yes, to what depth (feet)? _____ Depth to Water (feet) 4.22

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed? Yes No N/A

Liner(s) removed? Yes No N/A

Screen removed? Yes No N/A

Casing left in place? Yes No N/A

Was casing cut off below surface? Yes No N/A

Did sealing material rise to surface? Yes No N/A

Did material settle after 24 hours? Yes No N/A
 If yes, was hole retopped? Yes No N/A

If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A

Required Method of Placing Sealing Material
 Conductor Pipe-Gravity Conductor Pipe-Pumped
 Screened & Poured (Bentonite Chips) Other (Explain): _____

Sealing Materials
 Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)
 Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " "
 Concrete Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
 Bentonite Chips Bentonite - Cement Grout
 Granular Bentonite Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	22.40	3/4	-

6. Comments

7. Supervision of Work

Supervision of Work		DNR Use Only	
Name of Person or Firm Doing Sealing Work <u>Coleman Engineering Company</u>	Date of Abandonment <u>12/08/16</u>	Date Received	Noted By
Street or Route <u>635 Circle Dr</u>	Telephone Number <u>(906) 774-3440</u>	Comments	
City <u>Iron Mountain</u>	State <u>MI</u>	ZIP Code <u>49801</u>	Signature of Person Doing Work <u>Way Riech</u>
			Date Signed <u>12-15-16</u>

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information **2. Facility / Owner Information**

WI Unique Well No. _____		DNR Well ID No. _____		County Rusk		Facility Name Enbridge Mile Post 85	
Common Well Name AS-N22		Gov't Lot # (if applicable) _____		Facility ID _____		License/Permit/Monitoring No. _____	
City, Village or Town Murray Twp		Street Address of Well _____		Present Well Owner Enbridge		Original Well Owner _____	
1/4 / 1/4 SW	1/4 NW	Section 9	Township 36 N	Range 7	<input type="checkbox"/> E	<input checked="" type="checkbox"/> W	
Grid Location		Local Grid Origin <input type="checkbox"/>		Street Address or Route of Owner _____		City _____	
Feet <input type="checkbox"/> N	Feet <input type="checkbox"/> E	<input type="checkbox"/> (estimated) OR <input checked="" type="checkbox"/> Well Location		State WI		ZIP Code _____	
<input type="checkbox"/> S	<input type="checkbox"/> W	Latitude: DEG MIN SEC _____		Longitude: DEG MIN SEC _____		City _____	
Reason For Abandonment decommission/abandon		WI Unique Well No. of Replacement Well _____		City _____		State WI	

3. Well / Drillhole / Borehole Information **4. Pump, Liner, Screen, Casing & Sealing Material**

<input checked="" type="checkbox"/> Monitoring Well		Original Construction Date 03/17/08		Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Water Well		If a Well Construction Report is available, please attach.		Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Borehole / Drillhole		Construction Type:		Screen removed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Drilled		<input type="checkbox"/> Driven (Sandpoint)		Casing left in place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input type="checkbox"/> Other (specify): _____		Formation Type:		Was casing cut off below surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Unconsolidated Formation		<input type="checkbox"/> Bedrock		Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Total Well Depth From Groundsurface (ft.) 2300		Casing Diameter (in.) 2		Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Lower Drillhole Diameter (in.) _____		Casing Depth (ft.) _____		If yes, was hole retopped? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Was well annular space grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		If yes, to what depth (feet)? _____		If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Depth to Water (feet) 4.40		Required Method of Placing Sealing Material		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
		<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips)		<input type="checkbox"/> Other (Explain): _____	
		Sealing Materials		<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)	
		<input type="checkbox"/> Sand-Cement (Concrete) Grout		<input type="checkbox"/> Bentonite-Sand Slurry " "	
		<input type="checkbox"/> Concrete		<input checked="" type="checkbox"/> Bentonite Chips	
		For Monitoring Wells and Monitoring Well Boreholes Only:		<input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout	
		<input type="checkbox"/> Granular Bentonite		<input type="checkbox"/> Bentonite - Sand Slurry	

5. Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" bentonite chips	Surface	23.00	3/4	-

6. Comments

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Sealing Work Coleman Engineering Company		Date of Abandonment 12/08/16	Date Received _____	Noted By _____
Street or Route 635 Circle Dr		Telephone Number (906) 774-3440	Comments _____	
City Iron Mountain	State MI	ZIP Code 49801	Signature of Person, Doing Work Angie Rich	Date Signed 12-15-16

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information **2. Facility / Owner Information**

WI Unique Well No. _____ DNR Well ID No. _____ County Rusk Facility Name Enbridge Mile Post 85

Common Well Name AS-N23 Gov't Lot # (if applicable) _____ Facility ID _____ License/Permit/Monitoring No. _____ City, Village or Town Murray Twp

1/4 1/4 SW 1/4 NW Section 9 Township 36 N Range 7 E W Street Address of Well _____

Grid Location: Feet N S E W Local Grid Origin (estimated) OR Well Location Present Well Owner Enbridge Original Well Owner _____

Street Address or Route of Owner _____ City _____ State WI ZIP Code _____

Latitude: DEG MIN SEC _____ Longitude: DEG MIN SEC _____

Reason For Abandonment decommission/abandon WI Unique Well No. of Replacement Well _____

3. Well / Drillhole / Borehole Information **4. Pump, Liner, Screen, Casing & Sealing Material**

Monitoring Well Water Well Borehole / Drillhole Original Construction Date 03/18/08
 If a Well Construction Report is available, please attach. _____

Construction Type: Drilled Driven (Sandpoint) Dug Other (specify): _____
 Formation Type: Unconsolidated Formation Bedrock

Total Well Depth From Groundsurface (ft.) 22.35 Casing Diameter (in.) 2
 Lower Drillhole Diameter (in.) _____ Casing Depth (ft.) _____

Was well annular space grouted? Yes No Unknown
 If yes, to what depth (feet)? _____ Depth to Water (feet) 4.0

Required Method of Placing Sealing Material: Conductor Pipe-Gravity Conductor Pipe-Pumped Screened & Poured (Bentonite Chips) Other (Explain): _____
 Sealing Materials: Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.) Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " " Concrete Bentonite Chips
 For Monitoring Wells and Monitoring Well Boreholes Only: Bentonite Chips Bentonite - Cement Grout Granular Bentonite Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
<u>3/8" bentonite chips</u>	<u>Surface</u>	<u>22.35</u>	<u>3/4</u>	—

6. Comments

7. Supervision of Work **DNR Use Only**

Name of Person or Firm Doing Sealing Work Coleman Engineering Company Date of Abandonment 12/08/16 Date Received _____ Noted By _____
 Street or Route 635 Circle Dr Telephone Number 906-774-3440 Comments _____
 City Iron Mountain State MI ZIP Code 49801 Signature of Person Doing Work Craig Ried Date Signed 12-15-16

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water
 Watershed/Wastewater
 Waste Management
 Remediation/Redevelopment
 Other: _____

1. General Information **2. Facility / Owner Information**

WI Unique Well No.		DNR Well ID No.		County Rusk		Facility Name Enbridge Mile Post 85	
Common Well Name AS-N24				Gov't Lot # (if applicable)		Facility ID	
License/Permit/Monitoring No.		City, Village or Town Murray Twp					
1/4	1/4	Section	Township	Range	<input type="checkbox"/> E	Street Address of Well	
SW	NW	9	36 N	7	<input checked="" type="checkbox"/> W		
Grid Location				Present Well Owner			
Feet <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W				Enbridge			
Local Grid Origin <input type="checkbox"/>				Original Well Owner			
(estimated) OR <input checked="" type="checkbox"/> Well Location				Street Address or Route of Owner			
Latitude: DEG MIN SEC		Longitude: DEG MIN SEC		City		State	ZIP Code
						WI	

Reason For Abandonment: **decommission/abandon** WI Unique Well No. of Replacement Well: _____

3. Well / Drillhole / Borehole Information

Monitoring Well Original Construction Date: **03/19/08**
 Water Well
 Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
 Drilled Driven (Sandpoint) Dug
 Other (specify): _____

Formation Type:
 Unconsolidated Formation Bedrock

Total Well Depth From Groundsurface (ft.): **24.00** Casing Diameter (in.): **2**

Lower Drillhole Diameter (in.): _____ Casing Depth (ft.): _____

Was well annular space grouted? Yes No Unknown

If yes, to what depth (feet)? Depth to Water (feet): **5.03**

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	24.00	3/4	

6. Comments

7. Supervision of Work **DNR Use Only**

Name of Person or Firm Doing Sealing Work Coleman Engineering Company		Date of Abandonment 12/08/16		Date Received	Noted By
Street or Route 635 Circle Dr		Telephone Number (906) 774-3440		Comments	
City Iron Mountain	State MI	ZIP Code 49801	Signature of Person Doing Work <i>Wing Rich</i>	Date Signed 12-15-16	

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information

WI Unique Well No. _____ DNR Well ID No. _____ County Rusk

Common Well Name AS-N25 Gov't Lot # (if applicable) _____

1/4 SW SW 1/4 NW NW Section 9 Township 36 N Range 7 E W

Grid Location
 Feet N S E W Local Grid Origin (estimated) OR Well Location

Latitude: DEG MIN SEC _____ Longitude: DEG MIN SEC _____

Reason For Abandonment decommission/abandon WI Unique Well No. of Replacement Well _____

2. Facility / Owner Information

Facility Name Enbridge 1/2 Mile Post 85

Facility ID _____ License/Permit/Monitoring No. _____ City, Village or Town Murray Twp

Street Address of Well _____

Present Well Owner Enbridge Original Well Owner _____

Street Address or Route of Owner _____

City _____ State WI ZIP Code _____

3. Well / Drillhole / Borehole Information

Monitoring Well Water Well Borehole / Drillhole

Original Construction Date 03/19/08

If a Well Construction Report is available, please attach. _____

Construction Type:
 Drilled Driven (Sandpoint) Dug
 Other (specify): _____

Formation Type:
 Unconsolidated Formation Bedrock

Total Well Depth From Groundsurface (ft.) 23.70 Casing Diameter (in.) 2

Lower Drillhole Diameter (in.) _____ Casing Depth (ft.) _____

Was well annular space grouted? Yes No Unknown

If yes, to what depth (feet)? _____ Depth to Water (feet) 4.95

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed? Yes No N/A

Liner(s) removed? Yes No N/A

Screen removed? Yes No N/A

Casing left in place? Yes No N/A

Was casing cut off below surface? Yes No N/A

Did sealing material rise to surface? Yes No N/A

Did material settle after 24 hours? Yes No N/A

If yes, was hole retopped? Yes No N/A

If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A

Required Method of Placing Sealing Material
 Conductor Pipe-Gravity Conductor Pipe-Pumped
 Screened & Poured (Bentonite Chips) Other (Explain): _____

Sealing Materials
 Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)
 Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " "
 Concrete Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
 Bentonite Chips Bentonite - Cement Grout
 Granular Bentonite Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	23.70	3/4	-

6. Comments

7. Supervision of Work

Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Sealing Work <u>Coleman Engineering Company</u>	Date of Abandonment <u>12/08/16</u>	Date Received	Noted By	
Street or Route <u>635 Circle Dr</u>	Telephone Number <u>(906) 714-3410</u>	Comments		
City <u>Iron Mountain</u>	State <u>MI</u>	ZIP Code <u>49801</u>	Signature of Person Doing Work <u>Way Rude</u>	Date Signed <u>12-15-16</u>

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information

2. Facility / Owner Information

WI Unique Well No.		DNR Well ID No.		County Rusk		Facility Name Enbridge Mile Post 85	
Common Well Name AS-N26		Gov't Lot # (if applicable)		Facility ID		License/Permit/Monitoring No./City, Village or Town Murray Twp	
¼ / ¼ SW	¼ NW	Section 9	Township 36 N	Range 7	<input type="checkbox"/> E <input checked="" type="checkbox"/> W	Street Address of Well	
Grid Location Feet <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W				Local Grid Origin <input type="checkbox"/> (estimated) OR <input checked="" type="checkbox"/> Well Location		Present Well Owner Enbridge	
Latitude: DEG MIN SEC		Longitude: DEG MIN SEC		City		State WI	
Reason For Abandonment decommission/abandon		WI Unique Well No. of Replacement Well		Original Well Owner		Street Address or Route of Owner	

4. Pump, Liner, Screen, Casing & Sealing Material

3. Well / Drillhole / Borehole Information

<input checked="" type="checkbox"/> Monitoring Well	Original Construction Date 03/19/08	Pump and piping removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Water Well	If a Well Construction Report is available, please attach.	Liner(s) removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Borehole / Drillhole		Screen removed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (specify): _____		Casing left in place?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Was casing cut off below surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Total Well Depth From Groundsurface (ft.) 23.60	Casing Diameter (in.) 2	Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Lower Drillhole Diameter (in.)	Casing Depth (ft.)	Did material settle after 24 hours?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Was well annular space grouted?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	If yes, was hole retopped?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
If yes, to what depth (feet)?	Depth to Water (feet) 4.85	If bentonite chips were used, were they hydrated with water from a known safe source?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
5. Material Used To Fill Well / Drillhole		Required Method of Placing Sealing Material	
3/8" bentonite chips		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
		<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____	
		Sealing Materials	
		<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " " <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Bentonite Chips	
		For Monitoring Wells and Monitoring Well Boreholes Only:	
		<input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry	

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	23.60	3/4	—

6. Comments

7. Supervision of Work		DNR Use Only	
Name of Person or Firm Doing Sealing Work Coleman Engineering Company		Date of Abandonment 12/08/16	Date Received
Street or Route 635 Circle Dr		Telephone Number (906) 774-3440	Noted By
City Iron Mountain	State MI	ZIP Code 49801	Comments
Signature of Person Doing Work Greg Rusk		Date Signed 12-15-16	

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information

WI Unique Well No. _____ DNR Well ID No. _____ County Rusk

Common Well Name AS-820 Gov't Lot # (if applicable) _____

1/4 1/4 Section Township Range E W
SW NW 9 36 N 7

Grid Location
 Feet N E S W Local Grid Origin (estimated) OR Well Location

Latitude: DEG MIN SEC _____ Longitude: DEG MIN SEC _____
 _____ N _____ W

2. Facility / Owner Information

Facility Name Enbridge Mile Post 85

Facility ID _____ License/Permit/Monitoring No. _____ City, Village or Town Murray Twp

Street Address of Well _____

Present Well Owner Enbridge Original Well Owner _____

Street Address or Route of Owner _____

City _____ State WI ZIP Code _____

Reason For Abandonment decommission/abandon WI Unique Well No. of Replacement Well _____

3. Well / Drillhole / Borehole Information

Monitoring Well Water Well Borehole / Drillhole

Original Construction Date 03/13/08

If a Well Construction Report is available, please attach. _____

Construction Type:
 Drilled Driven (Sandpoint) Dug
 Other (specify): _____

Formation Type:
 Unconsolidated Formation Bedrock

Total Well Depth From Groundsurface (ft.) 22.22 Casing Diameter (in.) 2

Lower Drillhole Diameter (in.) _____ Casing Depth (ft.) _____

Was well annular space grouted? Yes No Unknown

If yes, to what depth (feet)? _____ Depth to Water (feet) 3.53

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed? Yes No N/A

Liner(s) removed? Yes No N/A

Screen removed? Yes No N/A

Casing left in place? Yes No N/A

Was casing cut off below surface? Yes No N/A

Did sealing material rise to surface? Yes No N/A

Did material settle after 24 hours? Yes No N/A
 If yes, was hole retopped? Yes No N/A

If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A

Required Method of Placing Sealing Material
 Conductor Pipe-Gravity Conductor Pipe-Pumped
 Screened & Poured (Bentonite Chips) Other (Explain): _____

Sealing Materials
 Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)
 Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " "
 Concrete Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
 Bentonite Chips Bentonite - Cement Grout
 Granular Bentonite Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	22.2	3/4	-

6. Comments

7. Supervision of Work

Supervision of Work		DNR Use Only	
Name of Person or Firm Doing Sealing Work <u>Coleman Engineering Company</u>	Date of Abandonment <u>12/08/16</u>	Date Received	Noted By
Street or Route <u>635 Circle Drive</u>	Telephone Number <u>(906) 774-3440</u>	Comments	
City <u>Iron Mountain</u>	State <u>MI</u>	ZIP Code <u>49801</u>	Signature of Person Doing Work <u>Gray Reed</u>
			Date Signed <u>12-15-16</u>

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information **2. Facility / Owner Information**

WI Unique Well No. _____		DNR Well ID No. _____		County Rusk		Facility Name Enbridge Mile Post 85	
Common Well Name AS-521		Gov't Lot # (if applicable) _____		Facility ID _____		License/Permit/Monitoring No. _____	
City, Village or Town Murray Twp		Street Address of Well _____		Present Well Owner Enbridge		Original Well Owner _____	
1/4 1/4 SW	1/4 NW	Section 9	Township 36 N	Range 7	<input type="checkbox"/> E	<input checked="" type="checkbox"/> W	
Grid Location		Local Grid Origin <input type="checkbox"/>		Street Address or Route of Owner _____		City _____ State WI ZIP Code _____	
Feet <input type="checkbox"/> N <input type="checkbox"/> S	Feet <input type="checkbox"/> E <input type="checkbox"/> W	(estimated) OR <input checked="" type="checkbox"/> Well Location		City _____ State WI ZIP Code _____		City _____ State WI ZIP Code _____	
Latitude: DEG MIN SEC _____ N		Longitude: DEG MIN SEC _____ W		Reason For Abandonment decommission/abandon		WI Unique Well No. of Replacement Well _____	

3. Well / Drillhole / Borehole Information **4. Pump, Liner, Screen, Casing & Sealing Material**

<input checked="" type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Borehole / Drillhole		Original Construction Date 03/13/08		Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Screen removed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A Casing left in place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug		If a Well Construction Report is available, please attach.		Was casing cut off below surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Total Well Depth From Groundsurface (ft.) 22.52		Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Casing Diameter (in.) 2		Lower Drillhole Diameter (in.) _____		Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Casing Depth (ft.) _____		Was well annular space grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		If yes, was hole retopped? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
If yes, to what depth (feet)? _____		Depth to Water (feet) 3.44		If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

5. Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" bentonite chips	Surface	22.52	3/4	—

6. Comments

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Sealing Work Coleman Engineering Company		Date of Abandonment 12/08/16	Date Received _____	Noted By _____
Street or Route 635 Circle Dr		Telephone Number (906) 774-3440	Comments _____	
City Iron Mountain	State MI	ZIP Code 49801	Signature of Person Doing Work Way Rusk	Date Signed 12-15-16

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information

WI Unique Well No. _____ DNR Well ID No. _____ County Rusk
 Common Well Name AS-523 Gov't Lot # (if applicable) _____
 1/4 1/4 Section Township Range E W
SW NW 9 36 N 7
 Grid Location
 Feet N S E W Local Grid Origin
 (estimated) OR Well Location
 Latitude: DEG MIN SEC _____ Longitude: DEG MIN SEC _____
 _____ N _____ W

2. Facility / Owner Information

Facility Name Enbridge Mile Post 85
 Facility ID _____ License/Permit/Monitoring No. _____ City, Village or Town Murray Twp
 Street Address of Well _____
 Present Well Owner Enbridge Original Well Owner _____
 Street Address or Route of Owner _____
 City _____ State WI ZIP Code _____

3. Well / Drillhole / Borehole Information

Reason For Abandonment decommission/abandon WI Unique Well No. of Replacement Well _____
 Monitoring Well Water Well Borehole / Drillhole
 Original Construction Date 03/14/08
 If a Well Construction Report is available, please attach. _____
 Construction Type:
 Drilled Driven (Sandpoint) Dug
 Other (specify): _____
 Formation Type:
 Unconsolidated Formation Bedrock
 Total Well Depth From Groundsurface (ft.) 22.82 Casing Diameter (in.) 2
 Lower Drillhole Diameter (in.) _____ Casing Depth (ft.) _____
 Was well annular space grouted? Yes No Unknown
 If yes, to what depth (feet)? _____ Depth to Water (feet) 3.98

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed? Yes No N/A
 Liner(s) removed? Yes No N/A
 Screen removed? Yes No N/A
 Casing left in place? Yes No N/A
 Was casing cut off below surface? Yes No N/A
 Did sealing material rise to surface? Yes No N/A
 Did material settle after 24 hours? Yes No N/A
 If yes, was hole retopped? Yes No N/A
 If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A
 Required Method of Placing Sealing Material
 Conductor Pipe-Gravity Conductor Pipe-Pumped
 Screened & Poured (Bentonite Chips) Other (Explain): _____
 Sealing Materials
 Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)
 Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " "
 Concrete Bentonite Chips
 For Monitoring Wells and Monitoring Well Boreholes Only:
 Bentonite Chips Bentonite - Cement Grout
 Granular Bentonite Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant, or Volume (circle one)	Mix Ratio or Mud Weight
Surface	22.82	3/4	-

6. Comments

7. Supervision of Work

Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Sealing Work <u>Coleman Engineering Company</u>	Date of Abandonment <u>12/08/16</u>	Date Received	Noted By	
Street or Route <u>635 Circle Dr</u>	Telephone Number <u>(906) 774-3440</u>	Comments		
City <u>Iron Mountain</u>	State <u>MI</u>	ZIP Code <u>49801</u>	Signature of Person Doing Work <u>Craig Ruhl</u>	Date Signed <u>12-15-16</u>

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information **2. Facility / Owner Information**

WI Unique Well No.		DNR Well ID No.		County Rusk		Facility Name Enbridge Mile Post 85	
Common Well Name AS-524		Gov't Lot # (if applicable)		Facility ID		License/Permit/Monitoring No. City, Village or Town Murray Twp	
1/4 1/4 SW	1/4 NW	Section 9	Township 36 N	Range 7	<input type="checkbox"/> E <input checked="" type="checkbox"/> W	Street Address of Well	
Grid Location		Local Grid Origin		Present Well Owner Enbridge		Original Well Owner	
Feet <input type="checkbox"/> N <input type="checkbox"/> S	Feet <input type="checkbox"/> E <input type="checkbox"/> W	<input type="checkbox"/> (estimated) OR <input checked="" type="checkbox"/> Well Location		Street Address or Route of Owner		City WI	
Latitude: DEG MIN SEC N		Longitude: DEG MIN SEC W		State WI		ZIP Code	
Reason For Abandonment decommission/abandon		WI Unique Well No. of Replacement Well		City		State	

3. Well / Drillhole / Borehole Information **4. Pump, Liner, Screen, Casing & Sealing Material**

<input checked="" type="checkbox"/> Monitoring Well		Original Construction Date 03/14/08		Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Water Well		If a Well Construction Report is available, please attach.		Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Borehole / Drillhole				Screen removed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Construction Type:				Casing left in place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Drilled		<input type="checkbox"/> Driven (Sandpoint)		Was casing cut off below surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input type="checkbox"/> Other (specify): _____		<input type="checkbox"/> Dug		Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Formation Type:				Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Unconsolidated Formation		<input type="checkbox"/> Bedrock		If yes, was hole retopped? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Total Well Depth From Groundsurface (ft.) 22.95		Casing Diameter (in.) 2		If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Lower Drillhole Diameter (in.)		Casing Depth (ft.)		Required Method of Placing Sealing Material	
Was well annular space grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown				<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
If yes, to what depth (feet)?		Depth to Water (feet) 4.00		<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____	
				Sealing Materials	
				<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)	
				<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " "	
				<input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Bentonite Chips	
				For Monitoring Wells and Monitoring Well Boreholes Only:	
				<input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout	
				<input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry	

5. Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" bentonite chips	Surface	22.95	3/4	-

6. Comments

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Sealing Work Gleeman Engineering Company		Date of Abandonment 12/08/16	Date Received	Noted By
Street or Route 635 Circle Dr		Telephone Number (906) 774-3440	Comments	
City Iron Mountain	State MI	ZIP Code 49801	Signature of Person Doing Work Craig Rife	Date Signed 12-15-16

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information **2. Facility / Owner Information**

WI Unique Well No. _____		DNR Well ID No. _____		County <u>Rusk</u>		Facility Name <u>Enbridge Mile Post 85</u>	
Common Well Name <u>AS-525</u>		Gov't Lot # (if applicable) _____		Facility ID _____		License/Permit/Monitoring No. _____	
City, Village or Town <u>Murray Twp</u>		Street Address of Well _____		Present Well Owner <u>Enbridge</u>		Original Well Owner _____	
1/4 1/4 <u>SW</u>	1/4 <u>NW</u>	Section <u>9</u>	Township <u>36 N</u>	Range <u>7</u>	<input type="checkbox"/> E <input checked="" type="checkbox"/> W	Street Address or Route of Owner _____	
Grid Location		Local Grid Origin <input type="checkbox"/>		Well Location <input checked="" type="checkbox"/>		City _____ State <u>WI</u> ZIP Code _____	
Feet <input type="checkbox"/> N <input type="checkbox"/> S		Feet <input type="checkbox"/> E <input type="checkbox"/> W		(estimated) OR <input checked="" type="checkbox"/>		Longitude: DEG MIN SEC _____	
Latitude: DEG MIN SEC _____		Longitude: DEG MIN SEC _____		City _____		State <u>WI</u> ZIP Code _____	
Reason For Abandonment <u>decommission/abandon</u>		WI Unique Well No. of Replacement Well _____		City _____		State <u>WI</u> ZIP Code _____	

3. Well / Drillhole / Borehole Information **4. Pump, Liner, Screen, Casing & Sealing Material**

<input checked="" type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Borehole / Drillhole		Original Construction Date <u>03/18/08</u>		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Pump and piping removed?																	
Construction Type:		If a Well Construction Report is available, please attach.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) removed?																	
<input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (specify): _____				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A Screen removed?																	
Formation Type:				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Casing left in place?																	
<input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Was casing cut off below surface?																	
Total Well Depth From Groundsurface (ft.) <u>22.10</u>		Casing Diameter (in.) <u>2</u>		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did sealing material rise to surface?																	
Lower Drillhole Diameter (in.) _____		Casing Depth (ft.) _____		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A Did material settle after 24 hours?																	
Was well annular space grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A If yes, was hole retopped?																	
If yes, to what depth (feet)? _____		Depth to Water (feet) <u>3.90</u>		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A If bentonite chips were used, were they hydrated with water from a known safe source?																	
5. Material Used To Fill Well / Drillhole				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Required Method of Placing Sealing Material																	
				<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____																	
				Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " " <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Bentonite Chips																	
				For Monitoring Wells and Monitoring Well Boreholes Only: <input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry																	
				<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>From (ft.)</th> <th>To (ft.)</th> <th>No. Yards, Sacks Sealant or Volume (circle one)</th> <th>Mix Ratio or Mud Weight</th> </tr> </thead> <tbody> <tr> <td>Surface</td> <td>22.10</td> <td>3/4</td> <td>-</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight	Surface	22.10	3/4	-								
From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight																		
Surface	22.10	3/4	-																		

6. Comments

7. Supervision of Work		DNR Use Only	
Name of Person or Firm Doing Sealing Work <u>Coleman Engineering Company</u>		Date of Abandonment <u>12/08/16</u>	
Street or Route <u>635 Circle Dr</u>		Date Received _____	
City <u>Iron Mountain</u>		Noted By _____	
State <u>MI</u> ZIP Code <u>49801</u>		Telephone Number <u>(906) 774-3440</u>	
Signature of Person Doing Work <u>[Signature]</u>		Comments _____	
Date Signed <u>12-15-16</u>			

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Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information **2. Facility / Owner Information**

WI Unique Well No. _____		DNR Well ID No. _____		County <u>Rusk</u>		Facility Name <u>Enbridge Mile Post 85</u>	
Common Well Name <u>AS-S26</u>		Gov't Lot # (if applicable) _____		Facility ID _____		License/Permit/Monitoring No. _____	
1/4	1/4	Section	Township	Range	<input type="checkbox"/> E	Street Address of Well	
<u>SW</u>	<u>NW</u>	<u>9</u>	<u>36 N</u>	<u>7</u>	<input checked="" type="checkbox"/> W	<u>Murray Twp</u>	
Grid Location				Present Well Owner <u>Enbridge</u>			
Feet	<input type="checkbox"/> N	Feet	<input type="checkbox"/> E	<input type="checkbox"/> Local Grid Origin		Original Well Owner _____	
<input type="checkbox"/> S	<input type="checkbox"/> W	<input type="checkbox"/> (estimated) OR		<input checked="" type="checkbox"/> Well Location			
Latitude: DEG MIN SEC		Longitude: DEG MIN SEC		City _____		State <u>WI</u>	ZIP Code _____
Reason For Abandonment <u>decommission/abandon</u>		WI Unique Well No. of Replacement Well _____					

3. Well / Drillhole / Borehole Information **4. Pump, Liner, Screen, Casing & Sealing Material**

<input checked="" type="checkbox"/> Monitoring Well	Original Construction Date <u>03/18/08</u>	Pump and piping removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Water Well	If a Well Construction Report is available, please attach.	Liner(s) removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Borehole / Drillhole		Screen removed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Construction Type:		Casing left in place?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Drilled	<input type="checkbox"/> Driven (Sandpoint)	<input type="checkbox"/> Dug	Was casing cut off below surface?
<input type="checkbox"/> Other (specify): _____			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Formation Type:		Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Unconsolidated Formation	<input type="checkbox"/> Bedrock	Did material settle after 24 hours?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Total Well Depth From Groundsurface (ft.) <u>21.55</u>	Casing Diameter (in.) <u>2</u>	If yes, was hole retopped?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Lower Drillhole Diameter (in.) _____	Casing Depth (ft.) _____	If bentonite chips were used, were they hydrated with water from a known safe source?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Was well annular space grouted?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Required Method of Placing Sealing Material	
If yes, to what depth (feet)? _____	Depth to Water (feet) <u>4.60</u>	<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
		<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____	
		Sealing Materials	
		<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)	
		<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " "	
		<input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Bentonite Chips	
		For Monitoring Wells and Monitoring Well Boreholes Only:	
		<input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout	
		<input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry	

5. Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
<u>3/8" bentonite chips</u>	Surface	<u>21.55</u>	<u>3/4</u>	—

6. Comments

7. Supervision of Work		DNR Use Only	
Name of Person or Firm Doing Sealing Work <u>Gleeman Engineering Company</u>		Date of Abandonment <u>12/08/16</u>	Date Received _____
Street or Route <u>635 Circle Dr</u>		Telephone Number <u>(906) 774-3440</u>	Noted By _____
City <u>Iron Mountain</u>		State <u>MI</u>	ZIP Code <u>49801</u>
Signature of Person Doing Work <u>Craig Riehl</u>		Date Signed <u>12-15-16</u>	

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information				2. Facility / Owner Information			
WI Unique Well No.		DNR Well ID No.		County		Facility Name	
_____		_____		Rusk		Enbridge Mile Post 85	
Common Well Name				Gov't Lot # (if applicable)		Facility ID	
AS-S27				_____		License/Permit/Monitoring No. _____	
1/4 1/4		Section		Township		Range	
SW		9		36 N		7	
				<input type="checkbox"/> E		<input checked="" type="checkbox"/> W	
Grid Location				Present Well Owner			
Feet		Feet		Enbridge		Original Well Owner	
<input type="checkbox"/> N		<input type="checkbox"/> E		Street Address or Route of Owner			
<input type="checkbox"/> S		<input type="checkbox"/> W		_____			
				City			
				State		ZIP Code	
				WI		_____	

Reason For Abandonment: decommission/abandon WI Unique Well No. of Replacement Well: _____

3. Well / Drillhole / Borehole Information				4. Pump, Liner, Screen, Casing & Sealing Material			
<input checked="" type="checkbox"/> Monitoring Well		Original Construction Date		Pump and piping removed?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Water Well		03/18/08		Liner(s) removed?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Borehole / Drillhole		If a Well Construction Report is available, please attach.		Screen removed?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Construction Type:				Casing left in place?			
<input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
<input type="checkbox"/> Other (specify): _____				Was casing cut off below surface?			
				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Formation Type:				Did sealing material rise to surface?			
<input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Total Well Depth From Groundsurface (ft.)		Casing Diameter (in.)		Did material settle after 24 hours?			
20.65		2		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
Lower Drillhole Diameter (in.)		Casing Depth (ft.)		If yes, was hole retopped?			
_____		_____		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
Was well annular space grouted?				If bentonite chips were used, were they hydrated with water from a known safe source?			
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
If yes, to what depth (feet)?		Depth to Water (feet)		Required Method of Placing Sealing Material			
_____		1.8		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped			
				<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____			
				Sealing Materials			
				<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)			
				<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " "			
				<input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Bentonite Chips			
				For Monitoring Wells and Monitoring Well Boreholes Only:			
				<input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout			
				<input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry			

5. Material Used To Fill Well / Drillhole			
From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	20.65	3/4	-

6. Comments

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Sealing Work		Date of Abandonment	Date Received	Noted By
Coleman Engineering Company		12/08/16		
Street or Route		Telephone Number	Comments	
635 Circle Dr		(608) 774-3440		
City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Iron Mountain	WI	548105	Craig Reed	12-15-16

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Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information **2. Facility / Owner Information**

WI Unique Well No. _____		DNR Well ID No. _____		County <u>Rosic</u>		Facility Name <u>Enbridge Mile Post 85</u>	
Common Well Name <u>MW-12</u>				Gov't Lot # (if applicable) _____		Facility ID _____	
City, Village or Town <u>Murray Township</u>		Street Address of Well _____		Present Well Owner <u>Enbridge</u>		Original Well Owner _____	
1/4 SW	1/4 NW	Section <u>9</u>	Township <u>36 N</u>	Range <u>7</u>	<input type="checkbox"/> E	<input checked="" type="checkbox"/> W	
Grid Location		<input type="checkbox"/> Local Grid Origin		Street Address or Route of Owner _____			
Feet <input type="checkbox"/> N	Feet <input type="checkbox"/> E	<input type="checkbox"/> (estimated) OR		<input type="checkbox"/> Well Location			
Feet <input type="checkbox"/> S	Feet <input type="checkbox"/> W	Latitude: DEG MIN SEC <u>45° 37' 10.6" N</u>		Longitude: DEG MIN SEC <u>91° 15' 20.3" W</u>			
Reason For Abandonment <u>Commissioner's Order</u>		WI Unique Well No. of Replacement Well _____		City _____		State <u>WI</u> ZIP Code _____	

3. Well / Drillhole / Borehole Information **4. Pump, Liner, Screen, Casing & Sealing Material**

<input checked="" type="checkbox"/> Monitoring Well		Original Construction Date <u>7/24/2007</u>		Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Water Well		If a Well Construction Report is available, please attach.		Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Borehole / Drillhole				Screen removed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Construction Type:		Formation Type:		Casing left in place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug		<input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Was casing cut off below surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input type="checkbox"/> Other (specify): <u>Rotasonic</u>		Total Well Depth From Groundsurface (ft.) <u>46.60</u>		Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Lower Drillhole Diameter (in.) _____		Casing Diameter (in.) <u>2</u>		Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Casing Depth (ft.) _____		Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown		If yes, was hole retopped? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
If yes, to what depth (feet)? _____		Depth to Water (feet) _____		If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
5. Material Used To Fill Well / Drillhole		Required Method of Placing Sealing Material			
<u>318" bentonite chips</u>		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped			
		<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____			
Sealing Materials		Sealing Materials			
<input type="checkbox"/> Neat Cement Grout		<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)			
<input type="checkbox"/> Sand-Cement (Concrete) Grout		<input type="checkbox"/> Bentonite-Sand Slurry " "			
<input type="checkbox"/> Concrete		<input checked="" type="checkbox"/> Bentonite Chips			
For Monitoring Wells and Monitoring Well Boreholes Only:		For Monitoring Wells and Monitoring Well Boreholes Only:			
<input checked="" type="checkbox"/> Bentonite Chips		<input type="checkbox"/> Bentonite - Cement Grout			
<input type="checkbox"/> Granular Bentonite		<input type="checkbox"/> Bentonite - Sand Slurry			

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	46.60	<u>1.75</u> sacks	-

6. Comments

7. Supervision of Work **DNR Use Only**

Name of Person or Firm Doing Sealing Work <u>Colomaw Engineering Co</u>		Date of Abandonment <u>12/09/16</u>		Date Received _____		Noted By _____	
Street or Route <u>635 Circle Drive</u>		Telephone Number <u>(906) 724-3440</u>		Comments _____			
City <u>Iron Mountain</u>		State <u>MI</u> ZIP Code <u>49801</u>		Signature of Person Doing Work <u>Craig Reed</u>		Date Signed <u>12-15-16</u>	

VII. Laboratory Analytical Results

March 24, 2016

Margaret Treanor
Barr Engineering Co.
4300 MarketPointe Drive
Suite 200
Minneapolis, MN 55433

RE: Project: 49/55002016.001 ENBRIDGE MP-85
Pace Project No.: 40129585

Dear Margaret Treanor:

Enclosed are the analytical results for sample(s) received by the laboratory on March 18, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
Project Manager

Enclosures

cc: Jim Taraldsen, Barr Engineering



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 49/55002016.001 ENBRIDGE MP-85

Pace Project No.: 40129585

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
Virginia VELAP ID: 460263
North Dakota Certification #: R-150

South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
US Dept of Agriculture #: S-76505
Virginia VELAP Certification ID: 460263
Virginia VELAP ID: 460263
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444

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SAMPLE SUMMARY

Project: 49/55002016.001 ENBRIDGE MP-85

Pace Project No.: 40129585

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40129585001	MW-21	Water	03/15/16 13:16	03/18/16 08:50
40129585002	MW-17	Water	03/15/16 13:44	03/18/16 08:50
40129585003	MW-16	Water	03/15/16 14:05	03/18/16 08:50
40129585004	MW-15	Water	03/15/16 15:19	03/18/16 08:50
40129585005	MW-14	Water	03/16/16 09:34	03/18/16 08:50
40129585006	MW-8	Water	03/16/16 11:44	03/18/16 08:50
40129585007	MW-15D	Water	03/15/16 15:03	03/18/16 08:50
40129585008	MW-6	Water	03/16/16 09:14	03/18/16 08:50
40129585009	MW-2	Water	03/16/16 10:49	03/18/16 08:50
40129585010	MW-34	Water	03/15/16 16:16	03/18/16 08:50
40129585011	MW-33	Water	03/15/16 17:10	03/18/16 08:50
40129585012	MW-5	Water	03/16/16 10:19	03/18/16 08:50
40129585013	MW-7	Water	03/16/16 09:54	03/18/16 08:50
40129585014	MW-11	Water	03/16/16 11:57	03/18/16 08:50
40129585015	M-1	Water	03/15/16 17:12	03/18/16 08:50
40129585016	TRIP BLANK	Water	03/15/16 12:00	03/18/16 08:50

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SAMPLE ANALYTE COUNT

Project: 49/55002016.001 ENBRIDGE MP-85

Pace Project No.: 40129585

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40129585001	MW-21	EPA 8260	SMT	9
40129585002	MW-17	EPA 8260	SMT	9
40129585003	MW-16	EPA 8260	SMT	9
40129585004	MW-15	EPA 8260	SMT	9
40129585005	MW-14	EPA 8260	SMT	9
40129585006	MW-8	EPA 8260	SMT	9
40129585007	MW-15D	EPA 8260	SMT	9
40129585008	MW-6	EPA 8260	SMT	9
40129585009	MW-2	EPA 8260	SMT	9
40129585010	MW-34	EPA 8260	SMT	9
40129585011	MW-33	EPA 8260	SMT	9
40129585012	MW-5	EPA 8260	SMT	9
40129585013	MW-7	EPA 8260	HNW	9
40129585014	MW-11	EPA 8260	HNW	9
40129585015	M-1	EPA 8260	HNW	9
40129585016	TRIP BLANK	EPA 8260	HNW	9

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ANALYTICAL RESULTS

Project: 49/55002016.001 ENBRIDGE MP-85
Pace Project No.: 40129585

Sample: MW-21		Lab ID: 40129585001		Collected: 03/15/16 13:16	Received: 03/18/16 08:50	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	<1.0	ug/L	1.0	1		03/23/16 20:09	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		03/23/16 20:09	100-41-4	
Toluene	<1.0	ug/L	1.0	1		03/23/16 20:09	108-88-3	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		03/23/16 20:09	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		03/23/16 20:09	108-67-8	
Xylene (Total)	<3.0	ug/L	3.0	1		03/23/16 20:09	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%	70-130	1		03/23/16 20:09	1868-53-7	
Toluene-d8 (S)	100	%	70-130	1		03/23/16 20:09	2037-26-5	
4-Bromofluorobenzene (S)	107	%	70-130	1		03/23/16 20:09	460-00-4	

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ANALYTICAL RESULTS

Project: 49/55002016.001 ENBRIDGE MP-85

Pace Project No.: 40129585

Sample: MW-17	Lab ID: 40129585002	Collected: 03/15/16 13:44		Received: 03/18/16 08:50		Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	<1.0	ug/L	1.0	1		03/23/16 20:31	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		03/23/16 20:31	100-41-4	
Toluene	<1.0	ug/L	1.0	1		03/23/16 20:31	108-88-3	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		03/23/16 20:31	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		03/23/16 20:31	108-67-8	
Xylene (Total)	<3.0	ug/L	3.0	1		03/23/16 20:31	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	94	%	70-130	1		03/23/16 20:31	1868-53-7	
Toluene-d8 (S)	101	%	70-130	1		03/23/16 20:31	2037-26-5	
4-Bromofluorobenzene (S)	107	%	70-130	1		03/23/16 20:31	460-00-4	

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ANALYTICAL RESULTS

Project: 49/55002016.001 ENBRIDGE MP-85

Pace Project No.: 40129585

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: MW-16								
Lab ID: 40129585003								
Collected: 03/15/16 14:05								
Received: 03/18/16 08:50								
Matrix: Water								
8260 MSV UST								
Analytical Method: EPA 8260								
Benzene	<1.0	ug/L	1.0	1		03/22/16 22:30	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		03/22/16 22:30	100-41-4	
Toluene	<1.0	ug/L	1.0	1		03/22/16 22:30	108-88-3	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		03/22/16 22:30	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		03/22/16 22:30	108-67-8	
Xylene (Total)	<3.0	ug/L	3.0	1		03/22/16 22:30	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%	70-130	1		03/22/16 22:30	1868-53-7	
Toluene-d8 (S)	99	%	70-130	1		03/22/16 22:30	2037-26-5	
4-Bromofluorobenzene (S)	108	%	70-130	1		03/22/16 22:30	460-00-4	

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ANALYTICAL RESULTS

Project: 49/55002016.001 ENBRIDGE MP-85

Pace Project No.: 40129585

Sample: MW-15		Lab ID: 40129585004		Collected: 03/15/16 15:19	Received: 03/18/16 08:50	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	<1.0	ug/L	1.0	1		03/22/16 22:52	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		03/22/16 22:52	100-41-4	
Toluene	<1.0	ug/L	1.0	1		03/22/16 22:52	108-88-3	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		03/22/16 22:52	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		03/22/16 22:52	108-67-8	
Xylene (Total)	<3.0	ug/L	3.0	1		03/22/16 22:52	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%	70-130	1		03/22/16 22:52	1868-53-7	
Toluene-d8 (S)	101	%	70-130	1		03/22/16 22:52	2037-26-5	
4-Bromofluorobenzene (S)	108	%	70-130	1		03/22/16 22:52	460-00-4	

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ANALYTICAL RESULTS

Project: 49/55002016.001 ENBRIDGE MP-85

Pace Project No.: 40129585

Sample: MW-14	Lab ID: 40129585005	Collected: 03/16/16 09:34		Received: 03/18/16 08:50		Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	<1.0	ug/L	1.0	1		03/23/16 20:53	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		03/23/16 20:53	100-41-4	
Toluene	<1.0	ug/L	1.0	1		03/23/16 20:53	108-88-3	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		03/23/16 20:53	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		03/23/16 20:53	108-67-8	
Xylene (Total)	<3.0	ug/L	3.0	1		03/23/16 20:53	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95	%	70-130	1		03/23/16 20:53	1868-53-7	
Toluene-d8 (S)	99	%	70-130	1		03/23/16 20:53	2037-26-5	
4-Bromofluorobenzene (S)	106	%	70-130	1		03/23/16 20:53	460-00-4	

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ANALYTICAL RESULTS

Project: 49/55002016.001 ENBRIDGE MP-85

Pace Project No.: 40129585

Sample: MW-8	Lab ID: 40129585006	Collected: 03/16/16 11:44		Received: 03/18/16 08:50		Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	<1.0	ug/L	1.0	1		03/23/16 21:15	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		03/23/16 21:15	100-41-4	
Toluene	<1.0	ug/L	1.0	1		03/23/16 21:15	108-88-3	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		03/23/16 21:15	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		03/23/16 21:15	108-67-8	
Xylene (Total)	<3.0	ug/L	3.0	1		03/23/16 21:15	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%	70-130	1		03/23/16 21:15	1868-53-7	pH
Toluene-d8 (S)	98	%	70-130	1		03/23/16 21:15	2037-26-5	
4-Bromofluorobenzene (S)	106	%	70-130	1		03/23/16 21:15	460-00-4	

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ANALYTICAL RESULTS

Project: 49/55002016.001 ENBRIDGE MP-85

Pace Project No.: 40129585

Sample: MW-15D		Lab ID: 40129585007		Collected: 03/15/16 15:03	Received: 03/18/16 08:50	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	<1.0	ug/L	1.0	1		03/23/16 21:37	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		03/23/16 21:37	100-41-4	
Toluene	<1.0	ug/L	1.0	1		03/23/16 21:37	108-88-3	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		03/23/16 21:37	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		03/23/16 21:37	108-67-8	
Xylene (Total)	<3.0	ug/L	3.0	1		03/23/16 21:37	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95	%	70-130	1		03/23/16 21:37	1868-53-7	
Toluene-d8 (S)	98	%	70-130	1		03/23/16 21:37	2037-26-5	
4-Bromofluorobenzene (S)	105	%	70-130	1		03/23/16 21:37	460-00-4	

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ANALYTICAL RESULTS

Project: 49/55002016.001 ENBRIDGE MP-85
Pace Project No.: 40129585

Sample: MW-6		Lab ID: 40129585008		Collected: 03/16/16 09:14	Received: 03/18/16 08:50	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	<1.0	ug/L	1.0	1		03/23/16 21:59	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		03/23/16 21:59	100-41-4	
Toluene	<1.0	ug/L	1.0	1		03/23/16 21:59	108-88-3	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		03/23/16 21:59	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		03/23/16 21:59	108-67-8	
Xylene (Total)	<3.0	ug/L	3.0	1		03/23/16 21:59	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	94	%	70-130	1		03/23/16 21:59	1868-53-7	
Toluene-d8 (S)	98	%	70-130	1		03/23/16 21:59	2037-26-5	
4-Bromofluorobenzene (S)	104	%	70-130	1		03/23/16 21:59	460-00-4	

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ANALYTICAL RESULTS

Project: 49/55002016.001 ENBRIDGE MP-85

Pace Project No.: 40129585

Sample: MW-2		Lab ID: 40129585009		Collected: 03/16/16 10:49	Received: 03/18/16 08:50	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	<1.0	ug/L	1.0	1		03/24/16 11:14	71-43-2	
Ethylbenzene	38.0	ug/L	1.0	1		03/24/16 11:14	100-41-4	
Toluene	<1.0	ug/L	1.0	1		03/24/16 11:14	108-88-3	
1,2,4-Trimethylbenzene	18.4	ug/L	1.0	1		03/24/16 11:14	95-63-6	
1,3,5-Trimethylbenzene	42.4	ug/L	1.0	1		03/24/16 11:14	108-67-8	
Xylene (Total)	27.1	ug/L	3.0	1		03/24/16 11:14	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%	70-130	1		03/24/16 11:14	1868-53-7	
Toluene-d8 (S)	101	%	70-130	1		03/24/16 11:14	2037-26-5	
4-Bromofluorobenzene (S)	113	%	70-130	1		03/24/16 11:14	460-00-4	

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ANALYTICAL RESULTS

Project: 49/55002016.001 ENBRIDGE MP-85
Pace Project No.: 40129585

Sample: MW-34		Lab ID: 40129585010		Collected: 03/15/16 16:16	Received: 03/18/16 08:50	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	5.4	ug/L	1.0	1		03/23/16 22:21	71-43-2	
Ethylbenzene	43.9	ug/L	1.0	1		03/23/16 22:21	100-41-4	
Toluene	<1.0	ug/L	1.0	1		03/23/16 22:21	108-88-3	
1,2,4-Trimethylbenzene	3.3	ug/L	1.0	1		03/23/16 22:21	95-63-6	
1,3,5-Trimethylbenzene	26.4	ug/L	1.0	1		03/23/16 22:21	108-67-8	
Xylene (Total)	5.3	ug/L	3.0	1		03/23/16 22:21	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%	70-130	1		03/23/16 22:21	1868-53-7	
Toluene-d8 (S)	100	%	70-130	1		03/23/16 22:21	2037-26-5	
4-Bromofluorobenzene (S)	112	%	70-130	1		03/23/16 22:21	460-00-4	

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ANALYTICAL RESULTS

Project: 49/55002016.001 ENBRIDGE MP-85

Pace Project No.: 40129585

Sample: MW-33		Lab ID: 40129585011		Collected: 03/15/16 17:10	Received: 03/18/16 08:50	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	7.5	ug/L	1.0	1		03/23/16 22:43	71-43-2	
Ethylbenzene	73.2	ug/L	1.0	1		03/23/16 22:43	100-41-4	
Toluene	<1.0	ug/L	1.0	1		03/23/16 22:43	108-88-3	
1,2,4-Trimethylbenzene	9.6	ug/L	1.0	1		03/23/16 22:43	95-63-6	
1,3,5-Trimethylbenzene	47.4	ug/L	1.0	1		03/23/16 22:43	108-67-8	
Xylene (Total)	14.7	ug/L	3.0	1		03/23/16 22:43	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	94	%	70-130	1		03/23/16 22:43	1868-53-7	
Toluene-d8 (S)	103	%	70-130	1		03/23/16 22:43	2037-26-5	
4-Bromofluorobenzene (S)	117	%	70-130	1		03/23/16 22:43	460-00-4	

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ANALYTICAL RESULTS

Project: 49/55002016.001 ENBRIDGE MP-85

Pace Project No.: 40129585

Sample: MW-5	Lab ID: 40129585012	Collected: 03/16/16 10:19		Received: 03/18/16 08:50		Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	5.3	ug/L	4.0	4		03/24/16 10:30	71-43-2	
Ethylbenzene	229	ug/L	4.0	4		03/24/16 10:30	100-41-4	
Toluene	<4.0	ug/L	4.0	4		03/24/16 10:30	108-88-3	
1,2,4-Trimethylbenzene	172	ug/L	4.0	4		03/24/16 10:30	95-63-6	
1,3,5-Trimethylbenzene	59.2	ug/L	4.0	4		03/24/16 10:30	108-67-8	
Xylene (Total)	493	ug/L	12.0	4		03/24/16 10:30	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%	70-130	4		03/24/16 10:30	1868-53-7	
Toluene-d8 (S)	98	%	70-130	4		03/24/16 10:30	2037-26-5	
4-Bromofluorobenzene (S)	113	%	70-130	4		03/24/16 10:30	460-00-4	

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ANALYTICAL RESULTS

Project: 49/55002016.001 ENBRIDGE MP-85

Pace Project No.: 40129585

Sample: MW-7		Lab ID: 40129585013		Collected: 03/16/16 09:54	Received: 03/18/16 08:50	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	4.3	ug/L	2.0	2		03/23/16 07:51	71-43-2	
Ethylbenzene	15.3	ug/L	2.0	2		03/23/16 07:51	100-41-4	
Toluene	<2.0	ug/L	2.0	2		03/23/16 07:51	108-88-3	
1,2,4-Trimethylbenzene	27.0	ug/L	2.0	2		03/23/16 07:51	95-63-6	
1,3,5-Trimethylbenzene	8.8	ug/L	2.0	2		03/23/16 07:51	108-67-8	
Xylene (Total)	40.8	ug/L	6.0	2		03/23/16 07:51	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	112	%	70-130	2		03/23/16 07:51	1868-53-7	D3
Toluene-d8 (S)	81	%	70-130	2		03/23/16 07:51	2037-26-5	
4-Bromofluorobenzene (S)	79	%	70-130	2		03/23/16 07:51	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 49/55002016.001 ENBRIDGE MP-85

Pace Project No.: 40129585

Sample: MW-11	Lab ID: 40129585014	Collected: 03/16/16 11:57	Received: 03/18/16 08:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	<4.0	ug/L	4.0	4		03/22/16 19:28	71-43-2	
Ethylbenzene	226	ug/L	4.0	4		03/22/16 19:28	100-41-4	
Toluene	<4.0	ug/L	4.0	4		03/22/16 19:28	108-88-3	
1,2,4-Trimethylbenzene	198	ug/L	4.0	4		03/22/16 19:28	95-63-6	
1,3,5-Trimethylbenzene	59.4	ug/L	4.0	4		03/22/16 19:28	108-67-8	
Xylene (Total)	1300	ug/L	12.0	4		03/22/16 19:28	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	115	%	70-130	4		03/22/16 19:28	1868-53-7	
Toluene-d8 (S)	83	%	70-130	4		03/22/16 19:28	2037-26-5	
4-Bromofluorobenzene (S)	89	%	70-130	4		03/22/16 19:28	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 49/55002016.001 ENBRIDGE MP-85

Pace Project No.: 40129585

Sample: M-1		Lab ID: 40129585015		Collected: 03/15/16 17:12	Received: 03/18/16 08:50	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	10.1	ug/L	1.0	1		03/22/16 19:49	71-43-2	
Ethylbenzene	63.7	ug/L	1.0	1		03/22/16 19:49	100-41-4	
Toluene	<1.0	ug/L	1.0	1		03/22/16 19:49	108-88-3	
1,2,4-Trimethylbenzene	10.4	ug/L	1.0	1		03/22/16 19:49	95-63-6	
1,3,5-Trimethylbenzene	48.8	ug/L	1.0	1		03/22/16 19:49	108-67-8	
Xylene (Total)	14.7	ug/L	3.0	1		03/22/16 19:49	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	108	%	70-130	1		03/22/16 19:49	1868-53-7	
Toluene-d8 (S)	85	%	70-130	1		03/22/16 19:49	2037-26-5	
4-Bromofluorobenzene (S)	91	%	70-130	1		03/22/16 19:49	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 49/55002016.001 ENBRIDGE MP-85

Pace Project No.: 40129585

Sample: TRIP BLANK		Lab ID: 40129585016		Collected: 03/15/16 12:00	Received: 03/18/16 08:50	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	<1.0	ug/L	1.0	1		03/22/16 21:57	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		03/22/16 21:57	100-41-4	
Toluene	<1.0	ug/L	1.0	1		03/22/16 21:57	108-88-3	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		03/22/16 21:57	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		03/22/16 21:57	108-67-8	
Xylene (Total)	<3.0	ug/L	3.0	1		03/22/16 21:57	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	120	%	70-130	1		03/22/16 21:57	1868-53-7	
Toluene-d8 (S)	79	%	70-130	1		03/22/16 21:57	2037-26-5	
4-Bromofluorobenzene (S)	76	%	70-130	1		03/22/16 21:57	460-00-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 49/55002016.001 ENBRIDGE MP-85
Project No.: 40129585

QC Batch: MSV/32655 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 40129585014, 40129585015, 40129585016

METHOD BLANK: 1309155 Matrix: Water
Associated Lab Samples: 40129585014, 40129585015, 40129585016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	03/22/16 13:47	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	03/22/16 13:47	
Benzene	ug/L	<1.0	1.0	03/22/16 13:47	
Ethylbenzene	ug/L	<1.0	1.0	03/22/16 13:47	
Toluene	ug/L	<1.0	1.0	03/22/16 13:47	
Xylene (Total)	ug/L	<3.0	3.0	03/22/16 13:47	
4-Bromofluorobenzene (S)	%	79	70-130	03/22/16 13:47	
Dibromofluoromethane (S)	%	117	70-130	03/22/16 13:47	
Toluene-d8 (S)	%	81	70-130	03/22/16 13:47	

LABORATORY CONTROL SAMPLE: 1309156

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	20.6	103	70-130	
Ethylbenzene	ug/L	20	16.4	82	70-132	
Toluene	ug/L	20	16.9	85	70-130	
Xylene (Total)	ug/L	60	52.8	88	70-132	
4-Bromofluorobenzene (S)	%			88	70-130	
Dibromofluoromethane (S)	%			120	70-130	
Toluene-d8 (S)	%			81	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1309368 1309369

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual	
		40129616006 Result	Spike Conc.	Spike Conc.	MS Result						MSD Result
Benzene	ug/L	<1.0	50	50	52.6	54.9	105	110	70-130	4	20
Ethylbenzene	ug/L	<1.0	50	50	43.4	44.4	87	89	70-132	2	20
Toluene	ug/L	<1.0	50	50	43.9	43.6	88	87	70-130	1	20
Xylene (Total)	ug/L	<3.0	150	150	136	137	91	91	70-132	1	20
4-Bromofluorobenzene (S)	%						91	86	70-130		
Dibromofluoromethane (S)	%						116	117	70-130		
Toluene-d8 (S)	%						82	80	70-130		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 49/55002016.001 ENBRIDGE MP-85
Project No.: 40129585

QC Batch: MSV/32657 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 40129585013

METHOD BLANK: 1309182 Matrix: Water
Associated Lab Samples: 40129585013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	03/23/16 06:04	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	03/23/16 06:04	
Benzene	ug/L	<1.0	1.0	03/23/16 06:04	
Ethylbenzene	ug/L	<1.0	1.0	03/23/16 06:04	
Toluene	ug/L	<1.0	1.0	03/23/16 06:04	
Xylene (Total)	ug/L	<3.0	3.0	03/23/16 06:04	
4-Bromofluorobenzene (S)	%	79	70-130	03/23/16 06:04	
Dibromofluoromethane (S)	%	115	70-130	03/23/16 06:04	
Toluene-d8 (S)	%	77	70-130	03/23/16 06:04	

LABORATORY CONTROL SAMPLE: 1309183

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	61.7	123	70-130	
Ethylbenzene	ug/L	50	48.9	98	70-132	
Toluene	ug/L	50	47.3	95	70-130	
Xylene (Total)	ug/L	150	150	100	70-132	
4-Bromofluorobenzene (S)	%			87	70-130	
Dibromofluoromethane (S)	%			115	70-130	
Toluene-d8 (S)	%			77	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1309372 1309373

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual	
		40129668003 Result	Spike Conc.	Spike Conc.	MS Result						MSD Result
Benzene	ug/L	<0.50	50	50	58.8	55.8	118	112	70-130	5	20
Ethylbenzene	ug/L	<0.50	50	50	46.5	46.1	93	92	70-132	1	20
Toluene	ug/L	<0.50	50	50	46.3	45.0	93	90	70-130	3	20
Xylene (Total)	ug/L	<1.5	150	150	147	142	98	95	70-132	3	20
4-Bromofluorobenzene (S)	%						93	91	70-130		
Dibromofluoromethane (S)	%						120	112	70-130		
Toluene-d8 (S)	%						82	80	70-130		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 49/55002016.001 ENBRIDGE MP-85
Pace Project No.: 40129585

QC Batch: MSV/32669 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 40129585003, 40129585004

METHOD BLANK: 1309418 Matrix: Water
Associated Lab Samples: 40129585003, 40129585004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	03/22/16 15:53	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	03/22/16 15:53	
Benzene	ug/L	<1.0	1.0	03/22/16 15:53	
Ethylbenzene	ug/L	<1.0	1.0	03/22/16 15:53	
Toluene	ug/L	<1.0	1.0	03/22/16 15:53	
Xylene (Total)	ug/L	<3.0	3.0	03/22/16 15:53	
4-Bromofluorobenzene (S)	%	105	70-130	03/22/16 15:53	
Dibromofluoromethane (S)	%	96	70-130	03/22/16 15:53	
Toluene-d8 (S)	%	100	70-130	03/22/16 15:53	

LABORATORY CONTROL SAMPLE: 1309419

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	38.3	77	70-130	
Ethylbenzene	ug/L	50	56.0	112	70-132	
Toluene	ug/L	50	50.2	100	70-130	
Xylene (Total)	ug/L	150	157	105	70-132	
4-Bromofluorobenzene (S)	%			118	70-130	
Dibromofluoromethane (S)	%			99	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1309781 1309782

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40129671003 Result	Spike Conc.	Spike Conc.	MS Result						
Benzene	ug/L	3.1	50	50	43.1	42.8	80	79	70-130	1	20
Ethylbenzene	ug/L	ND	50	50	52.8	54.5	106	109	70-132	3	20
Toluene	ug/L	ND	50	50	48.5	48.2	96	96	70-130	1	20
Xylene (Total)	ug/L	ND	150	150	146	153	97	101	70-132	4	20
4-Bromofluorobenzene (S)	%						118	119	70-130		
Dibromofluoromethane (S)	%						96	99	70-130		
Toluene-d8 (S)	%						100	100	70-130		

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QUALITY CONTROL DATA

Project: 49/55002016.001 ENBRIDGE MP-85
Pace Project No.: 40129585

QC Batch: MSV/32692 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 40129585001, 40129585002, 40129585005, 40129585006, 40129585007, 40129585008, 40129585009, 40129585010, 40129585011, 40129585012

METHOD BLANK: 1310124 Matrix: Water
Associated Lab Samples: 40129585001, 40129585002, 40129585005, 40129585006, 40129585007, 40129585008, 40129585009, 40129585010, 40129585011, 40129585012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	03/23/16 16:09	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	03/23/16 16:09	
Benzene	ug/L	<1.0	1.0	03/23/16 16:09	
Ethylbenzene	ug/L	<1.0	1.0	03/23/16 16:09	
Toluene	ug/L	<1.0	1.0	03/23/16 16:09	
Xylene (Total)	ug/L	<3.0	3.0	03/23/16 16:09	
4-Bromofluorobenzene (S)	%	105	70-130	03/23/16 16:09	
Dibromofluoromethane (S)	%	95	70-130	03/23/16 16:09	
Toluene-d8 (S)	%	97	70-130	03/23/16 16:09	

LABORATORY CONTROL SAMPLE: 1310125

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	36.6	73	70-130	
Ethylbenzene	ug/L	50	51.0	102	70-132	
Toluene	ug/L	50	46.9	94	70-130	
Xylene (Total)	ug/L	150	141	94	70-132	
4-Bromofluorobenzene (S)	%			114	70-130	
Dibromofluoromethane (S)	%			96	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1310185 1310186

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40129585012	Spike Conc.	Spike Conc.	MS Result						
Benzene	ug/L	5.3	1000	1000	787	779	78	77	70-130	1	20
Ethylbenzene	ug/L	229	1000	1000	1260	1300	103	107	70-132	3	20
Toluene	ug/L	<4.0	1000	1000	957	954	96	95	70-130	0	20
Xylene (Total)	ug/L	493	3000	3000	3380	3440	96	98	70-132	2	20
4-Bromofluorobenzene (S)	%						115	115	70-130		
Dibromofluoromethane (S)	%						94	96	70-130		
Toluene-d8 (S)	%						99	100	70-130		

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 49/55002016.001 ENBRIDGE MP-85

Pace Project No.: 40129585

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 49/55002016.001 ENBRIDGE MP-85

Pace Project No.: 40129585

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40129585001	MW-21	EPA 8260	MSV/32692		
40129585002	MW-17	EPA 8260	MSV/32692		
40129585003	MW-16	EPA 8260	MSV/32669		
40129585004	MW-15	EPA 8260	MSV/32669		
40129585005	MW-14	EPA 8260	MSV/32692		
40129585006	MW-8	EPA 8260	MSV/32692		
40129585007	MW-15D	EPA 8260	MSV/32692		
40129585008	MW-6	EPA 8260	MSV/32692		
40129585009	MW-2	EPA 8260	MSV/32692		
40129585010	MW-34	EPA 8260	MSV/32692		
40129585011	MW-33	EPA 8260	MSV/32692		
40129585012	MW-5	EPA 8260	MSV/32692		
40129585013	MW-7	EPA 8260	MSV/32657		
40129585014	MW-11	EPA 8260	MSV/32655		
40129585015	M-1	EPA 8260	MSV/32655		
40129585016	TRIP BLANK	EPA 8260	MSV/32655		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: Barr Engineering
 Branch/Location: Minneapolis Minn
 Project Contact: Margaret Traeger / Jan Caspio
 Phone: _____
 Project Number: 49/55 00 2016.001
 Project Name: Enbridge mp-85
 Project State: WISCONSIN
 Sampled By (Print): Walter Mather
 Sampled By (Sign): [Signature]
 PO #: _____ Regulatory Program: _____



UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436

40129585

CHAIN OF CUSTODY

Preservation Codes
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)
 PRESERVATION
(CODE)*

Y/N	NO																		
	B																		

Quote #: mtraeger cc J. Tereldson
 Mail To Contact: Barr Engineering
 Mail To Company: ↓
 Mail To Address: 4700 W. 77th St. Minneapolis Minn
 Invoice To Contact: Enbridge
 Invoice To Company: Houston Tx.
 Invoice To Address: _____
 Invoice To Phone: _____

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 SI = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX	Analyses Requested	PICK LETTER
		DATE	TIME			
001	mw-21	03/15	1:16 pm	grab		X
002	mw-17	03/15	1:44 pm			X
003	mw-16	03/15	2:05 pm			X
004	mw-15	03/15	3:19 pm			X
005	mw-14	03/16	9:34 am			X
006	mw-8	03/16	11:44 am			X
007	mw-15 d	03/15	3:03 pm			X
008	mw-6	03/16	9:14 am			X
	mw-12					X
009	mw-2	03/16	10:49 am			X
010	mw-34	03/15	4:16 pm			X
011	mw-33	03/15	5:10 pm			X
012	mw-5	03/16	10:19 am			X

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed: Standard

Transmit Prelim Rush Results by (complete what you want):
 Email #1: Jcaspio@barr.com
 Email #2: _____
 Telephone: _____
 Fax: _____

Samples on HOLD are subject to special pricing and release of liability

Relinquished By: [Signature] Date/Time: 3-17-16 11:00
 Relinquished By: Walt CO Date/Time: 3/16 0850
 Relinquished By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____

Received By: _____ Date/Time: _____
 Received By: Maurice Kayface Date/Time: 0850 3/16
 Received By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____

PACE Project No. 40129585
 Receipt Temp = RA °C
 Sample Receipt pH OK / Adjusted
 Cooler Custody Seal Present / Not Present
 Intact / Not Intact Intact

Page 27 of 29

(Please Print Clearly)



UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436

Company Name: **Barr Engineering**
 Branch/Location: **Minneapolis Minn**
 Project Contact: **Margaret Truener / Jan Gaspic**
 Phone:
 Project Number: **49/5500 2016 001**
 Project Name: **Enbridge MP-85**
 Project State: **Wisconsin**
 Sampled By (Print): **Wendy Mitchell**
 Sampled By (Sign): *Wendy Mitchell*
 PO #:
 Regulatory Program:

Preservation Codes
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)
 PRESERVATION
(CODE)*

Y16	NO																					
Pick Letter	B																					
Analyses Requested	POOC / No MATSA																					

Quote #: **mtruener cc Jtaraldson**
 Mail To Contact: **Barr Engineering**
 Mail To Company: **v**
 Mail To Address: **4700 W. 77th St
Minneapolis Minn**
 Invoice To Contact: **Enbridge**
 Invoice To Company: **Houston TX**
 Invoice To Address:
 Invoice To Phone:
 CLIENT COMMENTS
 LAB COMMENTS (Lab Use Only)
 Profile #

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 Sl = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX	Analyses Requested
		DATE	TIME		
013	MW-7	03/16	9:54am	grab	X
014	MW-11	03/16	11:57am	grab	X
015	MW-1 M-1 - Duplicate	03/15	5:12pm	grab	X
016	TRIP Blank	03-15	12:00	Grn	X

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)
 Date Needed:
 Relinquished By: *Wendy Mitchell* Date/Time: **12/20 3-17-16**
 Received By:
 Date/Time:
 PACE Project No. **40129585**

Transmit Prelim Rush Results by (complete what you want):
 Email #1: **Jaspic@Barr.com**
 Email #2:
 Telephone:
 Fax:
 Relinquished By: **Waltco 31816** Date/Time: **0850**
 Received By: **Malimckay@Pace 31816** Date/Time:
 Relinquished By:
 Date/Time:
 Received By:
 Date/Time:
 Relinquished By:
 Date/Time:
 Received By:
 Date/Time:
 Receipt Temp = **201** °C
 Sample Receipt pH **OK / Adjusted**
 Cooler Custody Seal **Present / Not Present**
 Intact / Not Intact

Sample Condition Upon Receipt

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



Project #:

WO#: 40129585

Client Name: Barr Engineering

Courier: Fed Ex UPS Client Pace Other: Waltco

Tracking #: 1009355-1



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

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

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used: na Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature: Uncorr: 201 / Corr: _____ Biological Tissue is Frozen: yes no

Temp Blank Present: yes no no

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Person examining contents:
Date: 3-18-16
Initials: mm

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>015-ED m-1 mm31816</u> <u>no time on any sample BT 3/18/16</u>
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: <u>VOA</u> , Bifiform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
		Lab Std #ID of preservative
		Date/Time:
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>covered by label. mm31816</u>		

Client Notification/ Resolution: _____ if checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: AMM for DM Date: 3/18/16

June 17, 2016

Margaret Treanor
Barr Engineering Co.
4300 MarketPointe Drive
Suite 200
Minneapolis, MN 55433

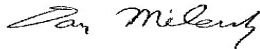
RE: Project: 49/55002016.001 ENBRIDGE MP-85
Pace Project No.: 40133597

Dear Margaret Treanor:

Enclosed are the analytical results for sample(s) received by the laboratory on June 10, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
Project Manager

Enclosures

cc: Jim Taraldsen, Barr Engineering



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 49/55002016.001 ENBRIDGE MP-85

Pace Project No.: 40133597

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

Virginia VELAP ID: 460263

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

US Dept of Agriculture #: S-76505

Virginia VELAP Certification ID: 460263

Virginia VELAP ID: 460263

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 49/55002016.001 ENBRIDGE MP-85

Pace Project No.: 40133597

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40133597001	MW-21	Water	06/08/16 12:41	06/10/16 08:50
40133597002	MW-15D	Water	06/08/16 13:47	06/10/16 08:50
40133597003	MW-15	Water	06/08/16 14:08	06/10/16 08:50
40133597004	MW-16	Water	06/08/16 14:38	06/10/16 08:50
40133597005	MW-34	Water	06/08/16 15:39	06/10/16 08:50
40133597006	MW-33	Water	06/08/16 16:22	06/10/16 08:50
40133597007	M-1	Water	06/08/16 00:00	06/10/16 08:50

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SAMPLE ANALYTE COUNT

Project: 49/55002016.001 ENBRIDGE MP-85

Pace Project No.: 40133597

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40133597001	MW-21	EPA 8260	HNW	9
40133597002	MW-15D	EPA 8260	HNW	9
40133597003	MW-15	EPA 8260	HNW	9
40133597004	MW-16	EPA 8260	HNW	9
40133597005	MW-34	EPA 8260	HNW	9
40133597006	MW-33	EPA 8260	HNW	9
40133597007	M-1	EPA 8260	HNW	9

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 49/55002016.001 ENBRIDGE MP-85

Pace Project No.: 40133597

Sample: MW-21	Lab ID: 40133597001	Collected: 06/08/16 12:41		Received: 06/10/16 08:50		Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	<1.0	ug/L	1.0	1		06/14/16 15:12	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		06/14/16 15:12	100-41-4	
Toluene	<1.0	ug/L	1.0	1		06/14/16 15:12	108-88-3	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		06/14/16 15:12	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		06/14/16 15:12	108-67-8	
Xylene (Total)	<3.0	ug/L	3.0	1		06/14/16 15:12	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	92	%	70-130	1		06/14/16 15:12	1868-53-7	
Toluene-d8 (S)	96	%	70-130	1		06/14/16 15:12	2037-26-5	
4-Bromofluorobenzene (S)	85	%	70-130	1		06/14/16 15:12	460-00-4	

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ANALYTICAL RESULTS

Project: 49/55002016.001 ENBRIDGE MP-85

Pace Project No.: 40133597

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: MW-15D		Lab ID: 40133597002		Collected: 06/08/16 13:47	Received: 06/10/16 08:50	Matrix: Water		
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	<1.0	ug/L	1.0	1		06/14/16 15:34	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		06/14/16 15:34	100-41-4	
Toluene	<1.0	ug/L	1.0	1		06/14/16 15:34	108-88-3	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		06/14/16 15:34	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		06/14/16 15:34	108-67-8	
Xylene (Total)	<3.0	ug/L	3.0	1		06/14/16 15:34	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	94	%	70-130	1		06/14/16 15:34	1868-53-7	
Toluene-d8 (S)	96	%	70-130	1		06/14/16 15:34	2037-26-5	
4-Bromofluorobenzene (S)	83	%	70-130	1		06/14/16 15:34	460-00-4	

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ANALYTICAL RESULTS

Project: 49/55002016.001 ENBRIDGE MP-85

Pace Project No.: 40133597

Sample: MW-15		Lab ID: 40133597003		Collected: 06/08/16 14:08	Received: 06/10/16 08:50	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	<1.0	ug/L	1.0	1		06/14/16 15:56	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		06/14/16 15:56	100-41-4	
Toluene	<1.0	ug/L	1.0	1		06/14/16 15:56	108-88-3	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		06/14/16 15:56	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		06/14/16 15:56	108-67-8	
Xylene (Total)	<3.0	ug/L	3.0	1		06/14/16 15:56	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	94	%	70-130	1		06/14/16 15:56	1868-53-7	
Toluene-d8 (S)	97	%	70-130	1		06/14/16 15:56	2037-26-5	
4-Bromofluorobenzene (S)	82	%	70-130	1		06/14/16 15:56	460-00-4	

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ANALYTICAL RESULTS

Project: 49/55002016.001 ENBRIDGE MP-85

Pace Project No.: 40133597

Sample: MW-16		Lab ID: 40133597004		Collected: 06/08/16 14:38	Received: 06/10/16 08:50	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	<1.0	ug/L	1.0	1		06/14/16 16:18	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		06/14/16 16:18	100-41-4	
Toluene	<1.0	ug/L	1.0	1		06/14/16 16:18	108-88-3	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		06/14/16 16:18	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		06/14/16 16:18	108-67-8	
Xylene (Total)	<3.0	ug/L	3.0	1		06/14/16 16:18	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	94	%	70-130	1		06/14/16 16:18	1868-53-7	
Toluene-d8 (S)	97	%	70-130	1		06/14/16 16:18	2037-26-5	
4-Bromofluorobenzene (S)	82	%	70-130	1		06/14/16 16:18	460-00-4	

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ANALYTICAL RESULTS

Project: 49/55002016.001 ENBRIDGE MP-85
Pace Project No.: 40133597

Sample: MW-34		Lab ID: 40133597005		Collected: 06/08/16 15:39	Received: 06/10/16 08:50	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	2.6	ug/L	1.0	1		06/14/16 16:40	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		06/14/16 16:40	100-41-4	
Toluene	<1.0	ug/L	1.0	1		06/14/16 16:40	108-88-3	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		06/14/16 16:40	95-63-6	
1,3,5-Trimethylbenzene	26.2	ug/L	1.0	1		06/14/16 16:40	108-67-8	
Xylene (Total)	<3.0	ug/L	3.0	1		06/14/16 16:40	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	94	%	70-130	1		06/14/16 16:40	1868-53-7	pH
Toluene-d8 (S)	98	%	70-130	1		06/14/16 16:40	2037-26-5	
4-Bromofluorobenzene (S)	87	%	70-130	1		06/14/16 16:40	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 49/55002016.001 ENBRIDGE MP-85
Pace Project No.: 40133597

Sample: MW-33		Lab ID: 40133597006		Collected: 06/08/16 16:22	Received: 06/10/16 08:50	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	5.9	ug/L	1.0	1		06/14/16 17:02	71-43-2	
Ethylbenzene	12.1	ug/L	1.0	1		06/14/16 17:02	100-41-4	
Toluene	<1.0	ug/L	1.0	1		06/14/16 17:02	108-88-3	
1,2,4-Trimethylbenzene	6.2	ug/L	1.0	1		06/14/16 17:02	95-63-6	
1,3,5-Trimethylbenzene	41.6	ug/L	1.0	1		06/14/16 17:02	108-67-8	
Xylene (Total)	10.4	ug/L	3.0	1		06/14/16 17:02	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	93	%	70-130	1		06/14/16 17:02	1868-53-7	HS,pH
Toluene-d8 (S)	98	%	70-130	1		06/14/16 17:02	2037-26-5	
4-Bromofluorobenzene (S)	86	%	70-130	1		06/14/16 17:02	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 49/55002016.001 ENBRIDGE MP-85

Pace Project No.: 40133597

Sample: M-1		Lab ID: 40133597007		Collected: 06/08/16 00:00	Received: 06/10/16 08:50	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	6.4	ug/L	1.0	1		06/14/16 17:23	71-43-2	
Ethylbenzene	43.2	ug/L	1.0	1		06/14/16 17:23	100-41-4	
Toluene	<1.0	ug/L	1.0	1		06/14/16 17:23	108-88-3	
1,2,4-Trimethylbenzene	11.6	ug/L	1.0	1		06/14/16 17:23	95-63-6	
1,3,5-Trimethylbenzene	41.5	ug/L	1.0	1		06/14/16 17:23	108-67-8	
Xylene (Total)	17.0	ug/L	3.0	1		06/14/16 17:23	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	91	%	70-130	1		06/14/16 17:23	1868-53-7	
Toluene-d8 (S)	97	%	70-130	1		06/14/16 17:23	2037-26-5	
4-Bromofluorobenzene (S)	87	%	70-130	1		06/14/16 17:23	460-00-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 49/55002016.001 ENBRIDGE MP-85
Pace Project No.: 40133597

QC Batch: MSV/33912 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 40133597001, 40133597002, 40133597003, 40133597004, 40133597005, 40133597006, 40133597007

METHOD BLANK: 1348989 Matrix: Water
Associated Lab Samples: 40133597001, 40133597002, 40133597003, 40133597004, 40133597005, 40133597006, 40133597007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	06/14/16 07:54	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	06/14/16 07:54	
Benzene	ug/L	<1.0	1.0	06/14/16 07:54	
Ethylbenzene	ug/L	<1.0	1.0	06/14/16 07:54	
Toluene	ug/L	<1.0	1.0	06/14/16 07:54	
Xylene (Total)	ug/L	<3.0	3.0	06/14/16 07:54	
4-Bromofluorobenzene (S)	%	87	70-130	06/14/16 07:54	
Dibromofluoromethane (S)	%	92	70-130	06/14/16 07:54	
Toluene-d8 (S)	%	98	70-130	06/14/16 07:54	

LABORATORY CONTROL SAMPLE: 1348990

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	43.1	86	60-135	
Ethylbenzene	ug/L	50	48.9	98	70-136	
Toluene	ug/L	50	49.0	98	70-130	
Xylene (Total)	ug/L	150	152	101	70-135	
4-Bromofluorobenzene (S)	%			93	70-130	
Dibromofluoromethane (S)	%			93	70-130	
Toluene-d8 (S)	%			96	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1348991 1348992

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual	
		40133624001 Result	Spike Conc.	Spike Conc.	MS Result						MSD Result
Benzene	ug/L	<1.0	50	50	42.8	41.0	86	82	57-138	4	20
Ethylbenzene	ug/L	<1.0	50	50	49.7	47.1	99	94	70-138	5	20
Toluene	ug/L	<1.0	50	50	49.4	47.2	98	94	70-130	5	20
Xylene (Total)	ug/L	<3.0	150	150	154	141	102	93	70-135	9	20
4-Bromofluorobenzene (S)	%						92	89	70-130		
Dibromofluoromethane (S)	%						94	96	70-130		
Toluene-d8 (S)	%						97	97	70-130		

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 49/55002016.001 ENBRIDGE MP-85

Pace Project No.: 40133597

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 49/55002016.001 ENBRIDGE MP-85

Pace Project No.: 40133597

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40133597001	MW-21	EPA 8260	MSV/33912		
40133597002	MW-15D	EPA 8260	MSV/33912		
40133597003	MW-15	EPA 8260	MSV/33912		
40133597004	MW-16	EPA 8260	MSV/33912		
40133597005	MW-34	EPA 8260	MSV/33912		
40133597006	MW-33	EPA 8260	MSV/33912		
40133597007	M-1	EPA 8260	MSV/33912		

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Sample Condition Upon Receipt

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



Project #:

WO#: 40133597



Client Name: Barr engineering

Courier: Fed Ex UPS Client Pace Other: Walter

Tracking #: 10788109-1

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

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

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used SR47 Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 4 /Corr: 4 Biological Tissue is Frozen: yes

Temp Blank Present: yes no no

Person examining contents:
Date: 10/10/12
Initials: [Signature]

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. collect time says PM only - looks like a C. - 10/10/12
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: <input checked="" type="checkbox"/> VOA coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	initial when completed
		Lab Std #ID of preservative
		Date/Time:
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14. 2 vials - 003,000 - 1 vial 10/10/12
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ If checked, see attached form for additional comments

Comments/ Resolution: 1 methwater 10/10/12

Project Manager Review: [Signature] Date: 6-10-16

June 17, 2016

Margaret Treanor
Barr Engineering Co.
4300 MarketPointe Drive
Suite 200
Minneapolis, MN 55433

RE: Project: 49155002016.001 ENBRIDGE MP-85
Pace Project No.: 40133723

Dear Margaret Treanor:

Enclosed are the analytical results for sample(s) received by the laboratory on June 14, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
Project Manager

Enclosures

cc: Jim Taraldsen, Barr Engineering



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 49155002016.001 ENBRIDGE MP-85

Pace Project No.: 40133723

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

Virginia VELAP ID: 460263

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

US Dept of Agriculture #: S-76505

Virginia VELAP Certification ID: 460263

Virginia VELAP ID: 460263

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 49155002016.001 ENBRIDGE MP-85

Pace Project No.: 40133723

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40133723001	MW-14	Water	06/10/16 09:35	06/14/16 08:40
40133723002	MW-6	Water	06/10/16 09:54	06/14/16 08:40
40133723003	MW-7	Water	06/10/16 10:07	06/14/16 08:40
40133723004	MW-5	Water	06/10/16 10:21	06/14/16 08:40
40133723005	MW-2	Water	06/10/16 10:41	06/14/16 08:40
40133723006	MW-8	Water	06/10/16 11:00	06/14/16 08:40
40133723007	MW-11	Water	06/10/16 11:25	06/14/16 08:40

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 49155002016.001 ENBRIDGE MP-85

Pace Project No.: 40133723

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40133723001	MW-14	EPA 8260	LAP	9
40133723002	MW-6	EPA 8260	LAP	9
40133723003	MW-7	EPA 8260	LAP	9
40133723004	MW-5	EPA 8260	LAP	9
40133723005	MW-2	EPA 8260	LAP	9
40133723006	MW-8	EPA 8260	LAP	9
40133723007	MW-11	EPA 8260	LAP	9

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ANALYTICAL RESULTS

Project: 49155002016.001 ENBRIDGE MP-85

Pace Project No.: 40133723

Sample: MW-14		Lab ID: 40133723001		Collected: 06/10/16 09:35	Received: 06/14/16 08:40	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	<1.0	ug/L	1.0	1		06/16/16 09:27	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		06/16/16 09:27	100-41-4	
Toluene	<1.0	ug/L	1.0	1		06/16/16 09:27	108-88-3	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		06/16/16 09:27	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		06/16/16 09:27	108-67-8	
Xylene (Total)	<3.0	ug/L	3.0	1		06/16/16 09:27	1330-20-7	RS
Surrogates								
Dibromofluoromethane (S)	110	%	70-130	1		06/16/16 09:27	1868-53-7	
Toluene-d8 (S)	84	%	70-130	1		06/16/16 09:27	2037-26-5	
4-Bromofluorobenzene (S)	89	%	70-130	1		06/16/16 09:27	460-00-4	

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ANALYTICAL RESULTS

Project: 49155002016.001 ENBRIDGE MP-85

Pace Project No.: 40133723

Sample: MW-6		Lab ID: 40133723002		Collected: 06/10/16 09:54	Received: 06/14/16 08:40	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	1.6	ug/L	1.0	1		06/17/16 02:48	71-43-2	
Ethylbenzene	1.2	ug/L	1.0	1		06/17/16 02:48	100-41-4	
Toluene	<1.0	ug/L	1.0	1		06/17/16 02:48	108-88-3	
1,2,4-Trimethylbenzene	1.3	ug/L	1.0	1		06/17/16 02:48	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		06/17/16 02:48	108-67-8	
Xylene (Total)	3.8	ug/L	3.0	1		06/17/16 02:48	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	116	%	70-130	1		06/17/16 02:48	1868-53-7	HS
Toluene-d8 (S)	104	%	70-130	1		06/17/16 02:48	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130	1		06/17/16 02:48	460-00-4	

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ANALYTICAL RESULTS

Project: 49155002016.001 ENBRIDGE MP-85

Pace Project No.: 40133723

Sample: MW-7	Lab ID: 40133723003	Collected: 06/10/16 10:07		Received: 06/14/16 08:40		Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	9.2	ug/L	2.0	2		06/16/16 09:50	71-43-2	
Ethylbenzene	45.0	ug/L	2.0	2		06/16/16 09:50	100-41-4	
Toluene	<2.0	ug/L	2.0	2		06/16/16 09:50	108-88-3	
1,2,4-Trimethylbenzene	33.7	ug/L	2.0	2		06/16/16 09:50	95-63-6	
1,3,5-Trimethylbenzene	7.5	ug/L	2.0	2		06/16/16 09:50	108-67-8	
Xylene (Total)	82.0	ug/L	6.0	2		06/16/16 09:50	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%	70-130	2		06/16/16 09:50	1868-53-7	D3
Toluene-d8 (S)	98	%	70-130	2		06/16/16 09:50	2037-26-5	
4-Bromofluorobenzene (S)	107	%	70-130	2		06/16/16 09:50	460-00-4	

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ANALYTICAL RESULTS

Project: 49155002016.001 ENBRIDGE MP-85

Pace Project No.: 40133723

Sample: MW-5		Lab ID: 40133723004		Collected: 06/10/16 10:21	Received: 06/14/16 08:40	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	6.5	ug/L	4.0	4		06/16/16 10:12	71-43-2	
Ethylbenzene	237	ug/L	4.0	4		06/16/16 10:12	100-41-4	
Toluene	<4.0	ug/L	4.0	4		06/16/16 10:12	108-88-3	
1,2,4-Trimethylbenzene	139	ug/L	4.0	4		06/16/16 10:12	95-63-6	
1,3,5-Trimethylbenzene	41.3	ug/L	4.0	4		06/16/16 10:12	108-67-8	
Xylene (Total)	539	ug/L	12.0	4		06/16/16 10:12	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%	70-130	4		06/16/16 10:12	1868-53-7	
Toluene-d8 (S)	103	%	70-130	4		06/16/16 10:12	2037-26-5	
4-Bromofluorobenzene (S)	111	%	70-130	4		06/16/16 10:12	460-00-4	

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ANALYTICAL RESULTS

Project: 49155002016.001 ENBRIDGE MP-85
Pace Project No.: 40133723

Sample: MW-2		Lab ID: 40133723005		Collected: 06/10/16 10:41	Received: 06/14/16 08:40	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	<1.0	ug/L	1.0	1		06/17/16 08:27	71-43-2	
Ethylbenzene	69.9	ug/L	1.0	1		06/17/16 08:27	100-41-4	
Toluene	<1.0	ug/L	1.0	1		06/17/16 08:27	108-88-3	
1,2,4-Trimethylbenzene	35.7	ug/L	1.0	1		06/17/16 08:27	95-63-6	
1,3,5-Trimethylbenzene	28.2	ug/L	1.0	1		06/17/16 08:27	108-67-8	
Xylene (Total)	57.0	ug/L	3.0	1		06/17/16 08:27	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	92	%	70-130	1		06/17/16 08:27	1868-53-7	HS
Toluene-d8 (S)	106	%	70-130	1		06/17/16 08:27	2037-26-5	
4-Bromofluorobenzene (S)	103	%	70-130	1		06/17/16 08:27	460-00-4	

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ANALYTICAL RESULTS

Project: 49155002016.001 ENBRIDGE MP-85

Pace Project No.: 40133723

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: MW-8		Lab ID: 40133723006		Collected: 06/10/16 11:00	Received: 06/14/16 08:40	Matrix: Water		
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	<1.0	ug/L	1.0	1		06/17/16 08:49	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		06/17/16 08:49	100-41-4	
Toluene	<1.0	ug/L	1.0	1		06/17/16 08:49	108-88-3	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		06/17/16 08:49	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		06/17/16 08:49	108-67-8	
Xylene (Total)	<3.0	ug/L	3.0	1		06/17/16 08:49	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	111	%	70-130	1		06/17/16 08:49	1868-53-7	
Toluene-d8 (S)	96	%	70-130	1		06/17/16 08:49	2037-26-5	
4-Bromofluorobenzene (S)	91	%	70-130	1		06/17/16 08:49	460-00-4	

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ANALYTICAL RESULTS

Project: 49155002016.001 ENBRIDGE MP-85

Pace Project No.: 40133723

Sample: MW-11		Lab ID: 40133723007		Collected: 06/10/16 11:25	Received: 06/14/16 08:40	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	<4.0	ug/L	4.0	4		06/16/16 10:35	71-43-2	
Ethylbenzene	280	ug/L	4.0	4		06/16/16 10:35	100-41-4	
Toluene	<4.0	ug/L	4.0	4		06/16/16 10:35	108-88-3	
1,2,4-Trimethylbenzene	127	ug/L	4.0	4		06/16/16 10:35	95-63-6	
1,3,5-Trimethylbenzene	23.7	ug/L	4.0	4		06/16/16 10:35	108-67-8	
Xylene (Total)	1170	ug/L	12.0	4		06/16/16 10:35	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%	70-130	4		06/16/16 10:35	1868-53-7	
Toluene-d8 (S)	97	%	70-130	4		06/16/16 10:35	2037-26-5	
4-Bromofluorobenzene (S)	102	%	70-130	4		06/16/16 10:35	460-00-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 49155002016.001 ENBRIDGE MP-85

Pace Project No.: 40133723

QC Batch: MSV/33948 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
 Associated Lab Samples: 40133723001, 40133723002, 40133723003, 40133723004, 40133723005, 40133723006, 40133723007

METHOD BLANK: 1349942 Matrix: Water
 Associated Lab Samples: 40133723001, 40133723002, 40133723003, 40133723004, 40133723005, 40133723006, 40133723007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	06/16/16 07:57	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	06/16/16 07:57	
Benzene	ug/L	<1.0	1.0	06/16/16 07:57	
Ethylbenzene	ug/L	<1.0	1.0	06/16/16 07:57	
Toluene	ug/L	<1.0	1.0	06/16/16 07:57	
Xylene (Total)	ug/L	<3.0	3.0	06/16/16 07:57	
4-Bromofluorobenzene (S)	%	92	70-130	06/16/16 07:57	
Dibromofluoromethane (S)	%	109	70-130	06/16/16 07:57	
Toluene-d8 (S)	%	105	70-130	06/16/16 07:57	

LABORATORY CONTROL SAMPLE: 1349943

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	62.0	124	60-135	
Ethylbenzene	ug/L	50	60.3	121	70-136	
Toluene	ug/L	50	58.4	117	70-130	
Xylene (Total)	ug/L	150	181	121	70-135	
4-Bromofluorobenzene (S)	%			112	70-130	
Dibromofluoromethane (S)	%			103	70-130	
Toluene-d8 (S)	%			108	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1350242 1350243

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40133723001 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
Benzene	ug/L	<1.0	50	50	63.7	61.1	127	122	57-138	4	20	
Ethylbenzene	ug/L	<1.0	50	50	60.3	52.5	121	105	70-138	14	20	
Toluene	ug/L	<1.0	50	50	59.2	51.6	118	103	70-130	14	20	
Xylene (Total)	ug/L	<3.0	150	150	173	116	115	77	70-135	39	20	RS
4-Bromofluorobenzene (S)	%						107	106	70-130			
Dibromofluoromethane (S)	%						103	101	70-130			
Toluene-d8 (S)	%						107	99	70-130			

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 49155002016.001 ENBRIDGE MP-85

Pace Project No.: 40133723

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

RS The RPD value in one of the constituent analytes was outside the control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 49155002016.001 ENBRIDGE MP-85

Pace Project No.: 40133723

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40133723001	MW-14	EPA 8260	MSV/33948		
40133723002	MW-6	EPA 8260	MSV/33948		
40133723003	MW-7	EPA 8260	MSV/33948		
40133723004	MW-5	EPA 8260	MSV/33948		
40133723005	MW-2	EPA 8260	MSV/33948		
40133723006	MW-8	EPA 8260	MSV/33948		
40133723007	MW-11	EPA 8260	MSV/33948		

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Sample Condition Upon Receipt

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



Project #: **WO#: 40133723**

Client Name: Barr Engineering

Courier: Fed Ex UPS Client Pace Other: Walter

Tracking #: 1081030-1



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

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

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used: SR-58 Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 4 /Corr: 5 Biological Tissue is Frozen: yes

Temp Blank Present: yes no no

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Person examining contents:
Date: 6.14.16
Initials: mm

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. all vials have time as AM.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		<u>mm 6/14/16</u>
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
		Lab Std #ID of preservative
		Date/Time:
Headspace in VOA Vials (>6mm):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14. 002 - 2 vials, 003 - 1 vial
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15. 004 - 2 vials, 005 - 3 vials
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	007 - 1 vial <u>mm 6/14/16</u>
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____
 Comments/ Resolution: 3-Hch vials returned. 004-1 vial frozen
007-1 vial frozen mm 6/14/16

Project Manager Review: AM # for DM Date: 6/14/16

September 30, 2016

Margaret Treanor
Barr Engineering Co.
4300 MarketPointe Drive
Suite 200
Minneapolis, MN 55433

RE: Project: 49/55002016001 ENBRIDGE MP-85
Pace Project No.: 40138853

Dear Margaret Treanor:

Enclosed are the analytical results for sample(s) received by the laboratory on September 23, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
Project Manager

Enclosures

cc: Jim Taraldsen, Barr Engineering



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 49/55002016001 ENBRIDGE MP-85

Pace Project No.: 40138853

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

Virginia VELAP ID: 460263

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

US Dept of Agriculture #: S-76505

Virginia VELAP Certification ID: 460263

Virginia VELAP ID: 460263

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

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SAMPLE SUMMARY

Project: 49/55002016001 ENBRIDGE MP-85
Pace Project No.: 40138853

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40138853001	MW-21	Water	09/21/16 08:02	09/23/16 09:00
40138853002	MW-16	Water	09/21/16 09:12	09/23/16 09:00
40138853003	MW-15	Water	09/21/16 08:46	09/23/16 09:00
40138853004	MW-14	Water	09/21/16 10:04	09/23/16 09:00
40138853005	MW-8	Water	09/21/16 13:06	09/23/16 09:00
40138853006	MW-6	Water	09/21/16 09:34	09/23/16 09:00
40138853007	MW-2	Water	09/21/16 12:48	09/23/16 09:00
40138853008	MW-34	Water	09/21/16 10:55	09/23/16 09:00
40138853009	MW-33	Water	09/21/16 11:53	09/23/16 09:00
40138853010	MW-5	Water	09/21/16 12:27	09/23/16 09:00
40138853011	MW-11	Water	09/21/16 14:30	09/23/16 09:00
40138853012	DUP-M-1	Water	09/21/16 00:00	09/23/16 09:00

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SAMPLE ANALYTE COUNT

Project: 49/55002016001 ENBRIDGE MP-85
Pace Project No.: 40138853

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40138853001	MW-21	EPA 8260	HNW	9
40138853002	MW-16	EPA 8260	HNW	9
40138853003	MW-15	EPA 8260	HNW	9
40138853004	MW-14	EPA 8260	HNW	9
40138853005	MW-8	EPA 8260	HNW	9
40138853006	MW-6	EPA 8260	HNW	9
40138853007	MW-2	EPA 8260	HNW	9
40138853008	MW-34	EPA 8260	HNW	9
40138853009	MW-33	EPA 8260	HNW	9
40138853010	MW-5	EPA 8260	HNW	9
40138853011	MW-11	EPA 8260	HNW	9
40138853012	DUP-M-1	EPA 8260	HNW	9

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ANALYTICAL RESULTS

Project: 49/55002016001 ENBRIDGE MP-85

Pace Project No.: 40138853

Sample: MW-21	Lab ID: 40138853001	Collected: 09/21/16 08:02	Received: 09/23/16 09:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	<1.0	ug/L	1.0	1		09/27/16 07:46	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		09/27/16 07:46	100-41-4	
Toluene	<1.0	ug/L	1.0	1		09/27/16 07:46	108-88-3	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		09/27/16 07:46	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		09/27/16 07:46	108-67-8	
Xylene (Total)	<3.0	ug/L	3.0	1		09/27/16 07:46	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	127	%	70-130	1		09/27/16 07:46	1868-53-7	
Toluene-d8 (S)	97	%	70-130	1		09/27/16 07:46	2037-26-5	
4-Bromofluorobenzene (S)	84	%	70-130	1		09/27/16 07:46	460-00-4	

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ANALYTICAL RESULTS

Project: 49/55002016001 ENBRIDGE MP-85

Pace Project No.: 40138853

Sample: MW-16		Lab ID: 40138853002		Collected: 09/21/16 09:12		Received: 09/23/16 09:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV UST		Analytical Method: EPA 8260							
Benzene	<1.0	ug/L	1.0	1		09/27/16 08:08	71-43-2		
Ethylbenzene	<1.0	ug/L	1.0	1		09/27/16 08:08	100-41-4		
Toluene	<1.0	ug/L	1.0	1		09/27/16 08:08	108-88-3		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		09/27/16 08:08	95-63-6		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		09/27/16 08:08	108-67-8		
Xylene (Total)	<3.0	ug/L	3.0	1		09/27/16 08:08	1330-20-7		
Surrogates									
Dibromofluoromethane (S)	106	%	70-130	1		09/27/16 08:08	1868-53-7		
Toluene-d8 (S)	100	%	70-130	1		09/27/16 08:08	2037-26-5		
4-Bromofluorobenzene (S)	86	%	70-130	1		09/27/16 08:08	460-00-4		

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ANALYTICAL RESULTS

Project: 49/55002016001 ENBRIDGE MP-85
Pace Project No.: 40138853

Sample: MW-15		Lab ID: 40138853003		Collected: 09/21/16 08:46	Received: 09/23/16 09:00	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	<1.0	ug/L	1.0	1		09/29/16 21:34	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		09/29/16 21:34	100-41-4	
Toluene	<1.0	ug/L	1.0	1		09/29/16 21:34	108-88-3	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		09/29/16 21:34	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		09/29/16 21:34	108-67-8	
Xylene (Total)	<3.0	ug/L	3.0	1		09/29/16 21:34	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	123	%	70-130	1		09/29/16 21:34	1868-53-7	
Toluene-d8 (S)	101	%	70-130	1		09/29/16 21:34	2037-26-5	
4-Bromofluorobenzene (S)	90	%	70-130	1		09/29/16 21:34	460-00-4	

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ANALYTICAL RESULTS

Project: 49/55002016001 ENBRIDGE MP-85

Pace Project No.: 40138853

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: MW-14		Lab ID: 40138853004		Collected: 09/21/16 10:04	Received: 09/23/16 09:00	Matrix: Water		
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	<1.0	ug/L	1.0	1		09/29/16 21:56	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		09/29/16 21:56	100-41-4	
Toluene	<1.0	ug/L	1.0	1		09/29/16 21:56	108-88-3	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		09/29/16 21:56	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		09/29/16 21:56	108-67-8	
Xylene (Total)	<3.0	ug/L	3.0	1		09/29/16 21:56	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	125	%	70-130	1		09/29/16 21:56	1868-53-7	
Toluene-d8 (S)	101	%	70-130	1		09/29/16 21:56	2037-26-5	
4-Bromofluorobenzene (S)	88	%	70-130	1		09/29/16 21:56	460-00-4	

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ANALYTICAL RESULTS

Project: 49/55002016001 ENBRIDGE MP-85

Pace Project No.: 40138853

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: MW-8		Lab ID: 40138853005		Collected: 09/21/16 13:06	Received: 09/23/16 09:00	Matrix: Water		
8260 MSV UST								
Analytical Method: EPA 8260								
Benzene	<1.0	ug/L	1.0	1		09/29/16 22:19	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		09/29/16 22:19	100-41-4	
Toluene	<1.0	ug/L	1.0	1		09/29/16 22:19	108-88-3	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		09/29/16 22:19	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		09/29/16 22:19	108-67-8	
Xylene (Total)	<3.0	ug/L	3.0	1		09/29/16 22:19	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	129	%	70-130	1		09/29/16 22:19	1868-53-7	
Toluene-d8 (S)	101	%	70-130	1		09/29/16 22:19	2037-26-5	
4-Bromofluorobenzene (S)	88	%	70-130	1		09/29/16 22:19	460-00-4	

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ANALYTICAL RESULTS

Project: 49/55002016001 ENBRIDGE MP-85

Pace Project No.: 40138853

Sample: MW-6	Lab ID: 40138853006	Collected: 09/21/16 09:34		Received: 09/23/16 09:00		Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	<1.0	ug/L	1.0	1		09/29/16 22:41	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		09/29/16 22:41	100-41-4	
Toluene	<1.0	ug/L	1.0	1		09/29/16 22:41	108-88-3	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		09/29/16 22:41	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		09/29/16 22:41	108-67-8	
Xylene (Total)	<3.0	ug/L	3.0	1		09/29/16 22:41	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	126	%	70-130	1		09/29/16 22:41	1868-53-7	
Toluene-d8 (S)	104	%	70-130	1		09/29/16 22:41	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130	1		09/29/16 22:41	460-00-4	

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ANALYTICAL RESULTS

Project: 49/55002016001 ENBRIDGE MP-85

Pace Project No.: 40138853

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: MW-2		Lab ID: 40138853007		Collected: 09/21/16 12:48	Received: 09/23/16 09:00	Matrix: Water		
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	<1.0	ug/L	1.0	1		09/29/16 23:03	71-43-2	
Ethylbenzene	67.8	ug/L	1.0	1		09/29/16 23:03	100-41-4	
Toluene	<1.0	ug/L	1.0	1		09/29/16 23:03	108-88-3	
1,2,4-Trimethylbenzene	42.5	ug/L	1.0	1		09/29/16 23:03	95-63-6	
1,3,5-Trimethylbenzene	46.5	ug/L	1.0	1		09/29/16 23:03	108-67-8	
Xylene (Total)	66.0	ug/L	3.0	1		09/29/16 23:03	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	119	%	70-130	1		09/29/16 23:03	1868-53-7	
Toluene-d8 (S)	106	%	70-130	1		09/29/16 23:03	2037-26-5	
4-Bromofluorobenzene (S)	100	%	70-130	1		09/29/16 23:03	460-00-4	

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ANALYTICAL RESULTS

Project: 49/55002016001 ENBRIDGE MP-85

Pace Project No.: 40138853

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: MW-34		Lab ID: 40138853008		Collected: 09/21/16 10:55	Received: 09/23/16 09:00	Matrix: Water		
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	6.1	ug/L	1.0	1		09/29/16 23:26	71-43-2	
Ethylbenzene	42.7	ug/L	1.0	1		09/29/16 23:26	100-41-4	
Toluene	<1.0	ug/L	1.0	1		09/29/16 23:26	108-88-3	
1,2,4-Trimethylbenzene	5.0	ug/L	1.0	1		09/29/16 23:26	95-63-6	
1,3,5-Trimethylbenzene	36.6	ug/L	1.0	1		09/29/16 23:26	108-67-8	
Xylene (Total)	7.0	ug/L	3.0	1		09/29/16 23:26	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	120	%	70-130	1		09/29/16 23:26	1868-53-7	
Toluene-d8 (S)	105	%	70-130	1		09/29/16 23:26	2037-26-5	
4-Bromofluorobenzene (S)	98	%	70-130	1		09/29/16 23:26	460-00-4	

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ANALYTICAL RESULTS

Project: 49/55002016001 ENBRIDGE MP-85

Pace Project No.: 40138853

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: MW-33		Lab ID: 40138853009		Collected: 09/21/16 11:53	Received: 09/23/16 09:00	Matrix: Water		
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	7.5	ug/L	1.0	1		09/29/16 23:48	71-43-2	
Ethylbenzene	48.4	ug/L	1.0	1		09/29/16 23:48	100-41-4	
Toluene	<1.0	ug/L	1.0	1		09/29/16 23:48	108-88-3	
1,2,4-Trimethylbenzene	13.1	ug/L	1.0	1		09/29/16 23:48	95-63-6	
1,3,5-Trimethylbenzene	55.9	ug/L	1.0	1		09/29/16 23:48	108-67-8	
Xylene (Total)	20.7	ug/L	3.0	1		09/29/16 23:48	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	120	%	70-130	1		09/29/16 23:48	1868-53-7	
Toluene-d8 (S)	105	%	70-130	1		09/29/16 23:48	2037-26-5	
4-Bromofluorobenzene (S)	99	%	70-130	1		09/29/16 23:48	460-00-4	

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ANALYTICAL RESULTS

Project: 49/55002016001 ENBRIDGE MP-85

Pace Project No.: 40138853

Sample: MW-5		Lab ID: 40138853010	Collected: 09/21/16 12:27	Received: 09/23/16 09:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	8.0	ug/L	4.0	4		09/29/16 20:49	71-43-2	
Ethylbenzene	274	ug/L	4.0	4		09/29/16 20:49	100-41-4	
Toluene	<4.0	ug/L	4.0	4		09/29/16 20:49	108-88-3	
1,2,4-Trimethylbenzene	232	ug/L	4.0	4		09/29/16 20:49	95-63-6	
1,3,5-Trimethylbenzene	71.1	ug/L	4.0	4		09/29/16 20:49	108-67-8	
Xylene (Total)	640	ug/L	12.0	4		09/29/16 20:49	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	119	%	70-130	4		09/29/16 20:49	1868-53-7	
Toluene-d8 (S)	104	%	70-130	4		09/29/16 20:49	2037-26-5	
4-Bromofluorobenzene (S)	100	%	70-130	4		09/29/16 20:49	460-00-4	

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ANALYTICAL RESULTS

Project: 49/55002016001 ENBRIDGE MP-85

Pace Project No.: 40138853

Sample: MW-11		Lab ID: 40138853011		Collected: 09/21/16 14:30	Received: 09/23/16 09:00	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	<4.0	ug/L	4.0	4		09/29/16 21:12	71-43-2	
Ethylbenzene	212	ug/L	4.0	4		09/29/16 21:12	100-41-4	
Toluene	<4.0	ug/L	4.0	4		09/29/16 21:12	108-88-3	
1,2,4-Trimethylbenzene	225	ug/L	4.0	4		09/29/16 21:12	95-63-6	
1,3,5-Trimethylbenzene	63.0	ug/L	4.0	4		09/29/16 21:12	108-67-8	
Xylene (Total)	1110	ug/L	12.0	4		09/29/16 21:12	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	119	%	70-130	4		09/29/16 21:12	1868-53-7	
Toluene-d8 (S)	104	%	70-130	4		09/29/16 21:12	2037-26-5	
4-Bromofluorobenzene (S)	100	%	70-130	4		09/29/16 21:12	460-00-4	

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ANALYTICAL RESULTS

Project: 49/55002016001 ENBRIDGE MP-85
Pace Project No.: 40138853

Sample: DUP-M-1		Lab ID: 40138853012		Collected: 09/21/16 00:00	Received: 09/23/16 09:00	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	7.7	ug/L	1.0	1		09/30/16 00:10	71-43-2	
Ethylbenzene	49.3	ug/L	1.0	1		09/30/16 00:10	100-41-4	
Toluene	<1.0	ug/L	1.0	1		09/30/16 00:10	108-88-3	
1,2,4-Trimethylbenzene	16.8	ug/L	1.0	1		09/30/16 00:10	95-63-6	
1,3,5-Trimethylbenzene	56.0	ug/L	1.0	1		09/30/16 00:10	108-67-8	
Xylene (Total)	26.7	ug/L	3.0	1		09/30/16 00:10	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	119	%	70-130	1		09/30/16 00:10	1868-53-7	
Toluene-d8 (S)	105	%	70-130	1		09/30/16 00:10	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130	1		09/30/16 00:10	460-00-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 49/55002016001 ENBRIDGE MP-85
Pace Project No.: 40138853

QC Batch: 236103 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 40138853003, 40138853004, 40138853005, 40138853006, 40138853007, 40138853008, 40138853009, 40138853010, 40138853011, 40138853012

METHOD BLANK: 1400261 Matrix: Water
Associated Lab Samples: 40138853003, 40138853004, 40138853005, 40138853006, 40138853007, 40138853008, 40138853009, 40138853010, 40138853011, 40138853012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	09/29/16 14:07	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	09/29/16 14:07	
Benzene	ug/L	<1.0	1.0	09/29/16 14:07	
Ethylbenzene	ug/L	<1.0	1.0	09/29/16 14:07	
Toluene	ug/L	<1.0	1.0	09/29/16 14:07	
Xylene (Total)	ug/L	<3.0	3.0	09/29/16 14:07	
4-Bromofluorobenzene (S)	%	89	70-130	09/29/16 14:07	
Dibromofluoromethane (S)	%	127	70-130	09/29/16 14:07	
Toluene-d8 (S)	%	100	70-130	09/29/16 14:07	

LABORATORY CONTROL SAMPLE: 1400262

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	54.2	108	60-135	
Ethylbenzene	ug/L	50	55.2	110	70-136	
Toluene	ug/L	50	55.3	111	70-130	
Xylene (Total)	ug/L	150	169	113	70-135	
4-Bromofluorobenzene (S)	%			102	70-130	
Dibromofluoromethane (S)	%			125	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1400263 1400264

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40138834010 Result	Spike Conc.	Spike Conc.	MS Result						
Benzene	ug/L	<1.0	50	50	54.3	55.1	109	110	57-138	2	20
Ethylbenzene	ug/L	<1.0	50	50	55.2	57.7	110	115	70-138	5	20
Toluene	ug/L	<1.0	50	50	55.3	57.4	111	115	70-130	4	20
Xylene (Total)	ug/L	<3.0	150	150	169	176	113	117	70-135	4	20
4-Bromofluorobenzene (S)	%						102	103	70-130		
Dibromofluoromethane (S)	%						127	128	70-130		
Toluene-d8 (S)	%						100	101	70-130		

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

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QUALITY CONTROL DATA

Project: 49/55002016001 ENBRIDGE MP-85

Pace Project No.: 40138853

QC Batch: 236104

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV UST-WATER

Associated Lab Samples: 40138853001, 40138853002

METHOD BLANK: 1400265

Matrix: Water

Associated Lab Samples: 40138853001, 40138853002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	09/26/16 08:57	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	09/26/16 08:57	
Benzene	ug/L	<1.0	1.0	09/26/16 08:57	
Ethylbenzene	ug/L	<1.0	1.0	09/26/16 08:57	
Toluene	ug/L	<1.0	1.0	09/26/16 08:57	
Xylene (Total)	ug/L	<3.0	3.0	09/26/16 08:57	
4-Bromofluorobenzene (S)	%	88	70-130	09/26/16 08:57	
Dibromofluoromethane (S)	%	124	70-130	09/26/16 08:57	
Toluene-d8 (S)	%	95	70-130	09/26/16 08:57	

LABORATORY CONTROL SAMPLE: 1400266

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	58.7	117	60-135	
Ethylbenzene	ug/L	50	55.7	111	70-136	
Toluene	ug/L	50	56.4	113	70-130	
Xylene (Total)	ug/L	150	173	115	70-135	
4-Bromofluorobenzene (S)	%			104	70-130	
Dibromofluoromethane (S)	%			111	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1400267 1400268

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual	
		40138865017 Result	Spike Conc.	Spike Conc.	MS Result						MSD Result
Benzene	ug/L	<0.50	50	50	59.8	57.8	120	116	57-138	3	20
Ethylbenzene	ug/L	<0.50	50	50	53.1	56.9	106	114	70-138	7	20
Toluene	ug/L	<0.50	50	50	54.6	58.2	109	116	70-130	6	20
Xylene (Total)	ug/L	<1.5	150	150	164	176	109	118	70-135	7	20
4-Bromofluorobenzene (S)	%						104	108	70-130		
Dibromofluoromethane (S)	%						117	109	70-130		
Toluene-d8 (S)	%						97	99	70-130		

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

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QUALIFIERS

Project: 49/55002016001 ENBRIDGE MP-85

Pace Project No.: 40138853

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

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

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

TNI - The NELAC Institute.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 49/55002016001 ENBRIDGE MP-85

Pace Project No.: 40138853

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40138853001	MW-21	EPA 8260	236104		
40138853002	MW-16	EPA 8260	236104		
40138853003	MW-15	EPA 8260	236103		
40138853004	MW-14	EPA 8260	236103		
40138853005	MW-8	EPA 8260	236103		
40138853006	MW-6	EPA 8260	236103		
40138853007	MW-2	EPA 8260	236103		
40138853008	MW-34	EPA 8260	236103		
40138853009	MW-33	EPA 8260	236103		
40138853010	MW-5	EPA 8260	236103		
40138853011	MW-11	EPA 8260	236103		
40138853012	DUP-M-1	EPA 8260	236103		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: Barr Engineering
 Branch/Location: Minneapolis Minn
 Project Contact: Margaret Truesler / Jon Ogden
 Phone: _____
 Project Number: 49/55002016001
 Project Name: Enbridge MP-85
 Project State: Wisconsin
 Sampled By (Print): Ward Mitchell
 Sampled By (Sign): Ward Mitchell
 PO #: _____ Regulatory Program: _____



UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

40138853

Page 21 of 22

CHAIN OF CUSTODY

Preservation Codes
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)
 PRESERVATION
(CODE)*

Y/N	Pick Letter	Analysis Requested	Matrix	DATE	TIME	MATRIX	
N	B						
		ANALYSES REQUESTED A= None B= Biota C= Charcoal O= Oil S= Soil SI= Sludge W= Water DW= Drinking Water GW= Ground Water SW= Surface Water WW= Waste Water WP= Wipe					

Quote #: _____
 Mail To Contact: Margaret Truesler / Jon Ogden
 Mail To Company: Barr Engineering
 Mail To Address: 4700 West 77th Street
Minneapolis Minn
 Invoice To Contact: Enbridge
 Invoice To Company: Heurden TX
 Invoice To Address: _____
 Invoice To Phone: _____
 CLIENT COMMENTS: _____
 LAB COMMENTS (Lab Use Only): _____
 Profile #: _____

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air B = Biota C = Charcoal O = Oil S = Soil SI = Sludge
 W = Water DW = Drinking Water GW = Ground Water SW = Surface Water WW = Waste Water WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX	Analysis Requested	Matrix
		DATE	TIME			
001	mw-21	9-21	8:02	CW	X	
002	mw-16	9-21	9:12	CW	X	
003	mw-15	9-21	8:46	CW	X	
004	mw-14	9-21	10:04	CW	X	
005	mw-8	9-21	13:06	CW	X	
006	mw-6	9-21	9:34	CW	X	
007	mw-2	9-21	12:48	CW	X	
008	mw-34	9-21	10:55	CW	X	
009	mw-33	9-21	11:53	CW	X	
010	mw-5	9-21	12:27	CW	X	
011	mw-7			CW	X	
012	mw-11	9-21	14:30	CW	X	
013	Dup-M-1	9-21	AM	CW	X	

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed: _____
 Transmit Prelim Rush Results by (complete what you want):
 Email #1: _____
 Email #2: _____
 Telephone: _____
 Fax: _____
 Samples on HOLD are subject to special pricing and release of liability

Relinquished By: <u>Ward Mitchell</u>	Date/Time: <u>9-22-16 12:30pm</u>	Received By: _____	Date/Time: _____
Relinquished By: <u>Walter</u>	Date/Time: <u>9/23/16 0900</u>	Received By: <u>Zake Phram Pace</u>	Date/Time: <u>9/23/16 0900</u>
Relinquished By: _____	Date/Time: _____	Received By: _____	Date/Time: _____
Relinquished By: _____	Date/Time: _____	Received By: _____	Date/Time: _____

PACE Project No. 40138853
 Receipt Temp = ROI °C
 Sample Receipt pH OK / Adjusted
 Cooler Custody Seal Present / Not Present
 Intact / Not Intact

011
012

NO SAMPLE

Sample Condition Upon Receipt

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

Pace Analytical™

Project #: **WO# : 40138853**

Client Name: Barr Engineering

Courier: Fed Ex UPS Client Pace Other: Waltco

Tracking #: 111051310-1

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

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

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used NA Type of Ice: Wet Blue Dry None

Cooler Temperature Uncorr: _____ / Corr: ROI Biological Tissue is Frozen: yes no

Temp Blank Present: yes no

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Person examining contents:
Date: 9/23/16
Initials: KJ

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9. <u>no MS/MSD volume</u>
-Pace Containers Used:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10. <u>KJ 9/23/16</u>
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>no collect times</u>
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: (VOA) coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
		Lab Std #ID of preservative
		Date/Time:
Headspace in VOA Vials (>6mm):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14. <u>003, 008, + 011 1 vial ea.</u> <u>KJ 9/23/16</u>
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: _____ If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [Signature] Date: 9-23-16

December 28, 2016

Margaret Treanor
Barr Engineering Co.
4300 MarketPointe Drive
Suite 200
Minneapolis, MN 55433

RE: Project: 49155002016001 ENBRIDGE MP85
Pace Project No.: 40143846

Dear Margaret Treanor:

Enclosed are the analytical results for sample(s) received by the laboratory on December 23, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
Project Manager

Enclosures

cc: Jim Taraldsen, Barr Engineering



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 49155002016001 ENBRIDGE MP85

Pace Project No.: 40143846

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 49155002016001 ENBRIDGE MP85
Pace Project No.: 40143846

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40143846001	MW-17	Water	12/20/16 08:00	12/23/16 09:00
40143846002	MW-21	Water	12/20/16 08:50	12/23/16 09:00
40143846003	MW-16	Water	12/20/16 09:20	12/23/16 09:00
40143846004	MW-15D	Water	12/20/16 10:39	12/23/16 09:00
40143846005	MW-15	Water	12/20/16 11:02	12/23/16 09:00
40143846006	MW-34	Water	12/20/16 11:54	12/23/16 09:00
40143846007	MW-33	Water	12/20/16 12:48	12/23/16 09:00
40143846008	MW-13	Water	12/20/16 13:05	12/23/16 09:00
40143846009	MW-6	Water	12/20/16 13:18	12/23/16 09:00
40143846010	MW-14	Water	12/20/16 13:40	12/23/16 09:00
40143846011	MW-5	Water	12/20/16 14:09	12/23/16 09:00
40143846012	MW-4	Water	12/20/16 14:20	12/23/16 09:00
40143846013	MW-2	Water	12/20/16 14:46	12/23/16 09:00
40143846014	MW-8	Water	12/20/16 15:09	12/23/16 09:00
40143846015	MW-3	Water	12/20/16 15:31	12/23/16 09:00
40143846016	MW-11	Water	12/20/16 15:44	12/23/16 09:00
40143846017	M-1	Water	12/20/16 00:00	12/23/16 09:00

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 49155002016001 ENBRIDGE MP85

Pace Project No.: 40143846

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40143846001	MW-17	EPA 8260	HNW	9
40143846002	MW-21	EPA 8260	HNW	9
40143846003	MW-16	EPA 8260	HNW	9
40143846004	MW-15D	EPA 8260	HNW	9
40143846005	MW-15	EPA 8260	HNW	9
40143846006	MW-34	EPA 8260	HNW	9
40143846007	MW-33	EPA 8260	HNW	9
40143846008	MW-13	EPA 8260	HNW	9
40143846009	MW-6	EPA 8260	HNW	9
40143846010	MW-14	EPA 8260	HNW	9
40143846011	MW-5	EPA 8260	HNW	9
40143846012	MW-4	EPA 8260	HNW	9
40143846013	MW-2	EPA 8260	HNW	9
40143846014	MW-8	EPA 8260	HNW	9
40143846015	MW-3	EPA 8260	HNW	9
40143846016	MW-11	EPA 8260	HNW	9
40143846017	M-1	EPA 8260	HNW	9

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 49155002016001 ENBRIDGE MP85

Pace Project No.: 40143846

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: MW-17		Lab ID: 40143846001		Collected: 12/20/16 08:00	Received: 12/23/16 09:00	Matrix: Water		
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	<1.0	ug/L	1.0	1		12/27/16 17:52	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		12/27/16 17:52	100-41-4	
Toluene	<1.0	ug/L	1.0	1		12/27/16 17:52	108-88-3	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		12/27/16 17:52	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		12/27/16 17:52	108-67-8	
Xylene (Total)	<3.0	ug/L	3.0	1		12/27/16 17:52	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	115	%	70-130	1		12/27/16 17:52	1868-53-7	
Toluene-d8 (S)	84	%	70-130	1		12/27/16 17:52	2037-26-5	
4-Bromofluorobenzene (S)	84	%	70-130	1		12/27/16 17:52	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 49155002016001 ENBRIDGE MP85

Pace Project No.: 40143846

Sample: MW-21	Lab ID: 40143846002	Collected: 12/20/16 08:50	Received: 12/23/16 09:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	<1.0	ug/L	1.0	1		12/27/16 13:01	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		12/27/16 13:01	100-41-4	
Toluene	<1.0	ug/L	1.0	1		12/27/16 13:01	108-88-3	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		12/27/16 13:01	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		12/27/16 13:01	108-67-8	
Xylene (Total)	<3.0	ug/L	3.0	1		12/27/16 13:01	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	115	%	70-130	1		12/27/16 13:01	1868-53-7	HS
Toluene-d8 (S)	85	%	70-130	1		12/27/16 13:01	2037-26-5	
4-Bromofluorobenzene (S)	87	%	70-130	1		12/27/16 13:01	460-00-4	

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ANALYTICAL RESULTS

Project: 49155002016001 ENBRIDGE MP85

Pace Project No.: 40143846

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: MW-16		Lab ID: 40143846003		Collected: 12/20/16 09:20	Received: 12/23/16 09:00	Matrix: Water		
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	<1.0	ug/L	1.0	1		12/27/16 13:23	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		12/27/16 13:23	100-41-4	
Toluene	<1.0	ug/L	1.0	1		12/27/16 13:23	108-88-3	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		12/27/16 13:23	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		12/27/16 13:23	108-67-8	
Xylene (Total)	<3.0	ug/L	3.0	1		12/27/16 13:23	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	115	%	70-130	1		12/27/16 13:23	1868-53-7	
Toluene-d8 (S)	85	%	70-130	1		12/27/16 13:23	2037-26-5	
4-Bromofluorobenzene (S)	85	%	70-130	1		12/27/16 13:23	460-00-4	

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ANALYTICAL RESULTS

Project: 49155002016001 ENBRIDGE MP85

Pace Project No.: 40143846

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: MW-15D		Lab ID: 40143846004		Collected: 12/20/16 10:39	Received: 12/23/16 09:00	Matrix: Water		
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	<1.0	ug/L	1.0	1		12/27/16 13:46	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		12/27/16 13:46	100-41-4	
Toluene	<1.0	ug/L	1.0	1		12/27/16 13:46	108-88-3	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		12/27/16 13:46	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		12/27/16 13:46	108-67-8	
Xylene (Total)	<3.0	ug/L	3.0	1		12/27/16 13:46	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	116	%	70-130	1		12/27/16 13:46	1868-53-7	
Toluene-d8 (S)	84	%	70-130	1		12/27/16 13:46	2037-26-5	
4-Bromofluorobenzene (S)	85	%	70-130	1		12/27/16 13:46	460-00-4	

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ANALYTICAL RESULTS

Project: 49155002016001 ENBRIDGE MP85

Pace Project No.: 40143846

Sample: MW-15	Lab ID: 40143846005	Collected: 12/20/16 11:02		Received: 12/23/16 09:00		Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	<1.0	ug/L	1.0	1		12/27/16 14:08	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		12/27/16 14:08	100-41-4	
Toluene	<1.0	ug/L	1.0	1		12/27/16 14:08	108-88-3	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		12/27/16 14:08	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		12/27/16 14:08	108-67-8	
Xylene (Total)	<3.0	ug/L	3.0	1		12/27/16 14:08	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	115	%	70-130	1		12/27/16 14:08	1868-53-7	
Toluene-d8 (S)	84	%	70-130	1		12/27/16 14:08	2037-26-5	
4-Bromofluorobenzene (S)	86	%	70-130	1		12/27/16 14:08	460-00-4	

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ANALYTICAL RESULTS

Project: 49155002016001 ENBRIDGE MP85

Pace Project No.: 40143846

Sample: MW-34		Lab ID: 40143846006		Collected: 12/20/16 11:54	Received: 12/23/16 09:00	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	5.5	ug/L	1.0	1		12/27/16 14:30	71-43-2	
Ethylbenzene	31.1	ug/L	1.0	1		12/27/16 14:30	100-41-4	
Toluene	<1.0	ug/L	1.0	1		12/27/16 14:30	108-88-3	
1,2,4-Trimethylbenzene	4.6	ug/L	1.0	1		12/27/16 14:30	95-63-6	
1,3,5-Trimethylbenzene	32.2	ug/L	1.0	1		12/27/16 14:30	108-67-8	
Xylene (Total)	8.2	ug/L	3.0	1		12/27/16 14:30	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	115	%	70-130	1		12/27/16 14:30	1868-53-7	
Toluene-d8 (S)	91	%	70-130	1		12/27/16 14:30	2037-26-5	
4-Bromofluorobenzene (S)	97	%	70-130	1		12/27/16 14:30	460-00-4	

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ANALYTICAL RESULTS

Project: 49155002016001 ENBRIDGE MP85

Pace Project No.: 40143846

Sample: MW-33	Lab ID: 40143846007	Collected: 12/20/16 12:48		Received: 12/23/16 09:00		Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	7.9	ug/L	1.0	1		12/27/16 14:53	71-43-2	
Ethylbenzene	30.9	ug/L	1.0	1		12/27/16 14:53	100-41-4	
Toluene	<1.0	ug/L	1.0	1		12/27/16 14:53	108-88-3	
1,2,4-Trimethylbenzene	10.0	ug/L	1.0	1		12/27/16 14:53	95-63-6	
1,3,5-Trimethylbenzene	50.0	ug/L	1.0	1		12/27/16 14:53	108-67-8	
Xylene (Total)	18.0	ug/L	3.0	1		12/27/16 14:53	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	112	%	70-130	1		12/27/16 14:53	1868-53-7	
Toluene-d8 (S)	91	%	70-130	1		12/27/16 14:53	2037-26-5	
4-Bromofluorobenzene (S)	97	%	70-130	1		12/27/16 14:53	460-00-4	

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ANALYTICAL RESULTS

Project: 49155002016001 ENBRIDGE MP85

Pace Project No.: 40143846

Sample: MW-13		Lab ID: 40143846008		Collected: 12/20/16 13:05	Received: 12/23/16 09:00	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	<1.0	ug/L	1.0	1		12/27/16 15:15	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		12/27/16 15:15	100-41-4	
Toluene	<1.0	ug/L	1.0	1		12/27/16 15:15	108-88-3	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		12/27/16 15:15	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		12/27/16 15:15	108-67-8	
Xylene (Total)	<3.0	ug/L	3.0	1		12/27/16 15:15	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	114	%	70-130	1		12/27/16 15:15	1868-53-7	HS,pH
Toluene-d8 (S)	86	%	70-130	1		12/27/16 15:15	2037-26-5	
4-Bromofluorobenzene (S)	86	%	70-130	1		12/27/16 15:15	460-00-4	

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ANALYTICAL RESULTS

Project: 49155002016001 ENBRIDGE MP85

Pace Project No.: 40143846

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: MW-6		Lab ID: 40143846009		Collected: 12/20/16 13:18	Received: 12/23/16 09:00	Matrix: Water		
8260 MSV UST								
Analytical Method: EPA 8260								
Benzene	<1.0	ug/L	1.0	1		12/27/16 15:38	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		12/27/16 15:38	100-41-4	
Toluene	<1.0	ug/L	1.0	1		12/27/16 15:38	108-88-3	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		12/27/16 15:38	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		12/27/16 15:38	108-67-8	
Xylene (Total)	<3.0	ug/L	3.0	1		12/27/16 15:38	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	115	%	70-130	1		12/27/16 15:38	1868-53-7	
Toluene-d8 (S)	89	%	70-130	1		12/27/16 15:38	2037-26-5	
4-Bromofluorobenzene (S)	91	%	70-130	1		12/27/16 15:38	460-00-4	

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ANALYTICAL RESULTS

Project: 49155002016001 ENBRIDGE MP85

Pace Project No.: 40143846

Sample: MW-14	Lab ID: 40143846010	Collected: 12/20/16 13:40	Received: 12/23/16 09:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	<1.0	ug/L	1.0	1		12/27/16 16:00	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		12/27/16 16:00	100-41-4	
Toluene	<1.0	ug/L	1.0	1		12/27/16 16:00	108-88-3	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		12/27/16 16:00	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		12/27/16 16:00	108-67-8	
Xylene (Total)	<3.0	ug/L	3.0	1		12/27/16 16:00	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	116	%	70-130	1		12/27/16 16:00	1868-53-7	
Toluene-d8 (S)	85	%	70-130	1		12/27/16 16:00	2037-26-5	
4-Bromofluorobenzene (S)	85	%	70-130	1		12/27/16 16:00	460-00-4	

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ANALYTICAL RESULTS

Project: 49155002016001 ENBRIDGE MP85

Pace Project No.: 40143846

Sample: MW-5	Lab ID: 40143846011	Collected: 12/20/16 14:09	Received: 12/23/16 09:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	9.3	ug/L	4.0	4		12/27/16 12:39	71-43-2	
Ethylbenzene	266	ug/L	4.0	4		12/27/16 12:39	100-41-4	
Toluene	<4.0	ug/L	4.0	4		12/27/16 12:39	108-88-3	
1,2,4-Trimethylbenzene	246	ug/L	4.0	4		12/27/16 12:39	95-63-6	
1,3,5-Trimethylbenzene	88.3	ug/L	4.0	4		12/27/16 12:39	108-67-8	
Xylene (Total)	692	ug/L	12.0	4		12/27/16 12:39	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	113	%	70-130	4		12/27/16 12:39	1868-53-7	HS
Toluene-d8 (S)	88	%	70-130	4		12/27/16 12:39	2037-26-5	
4-Bromofluorobenzene (S)	97	%	70-130	4		12/27/16 12:39	460-00-4	

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ANALYTICAL RESULTS

Project: 49155002016001 ENBRIDGE MP85

Pace Project No.: 40143846

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: MW-4		Lab ID: 40143846012		Collected: 12/20/16 14:20	Received: 12/23/16 09:00	Matrix: Water		
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	<1.0	ug/L	1.0	1		12/27/16 16:22	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		12/27/16 16:22	100-41-4	
Toluene	<1.0	ug/L	1.0	1		12/27/16 16:22	108-88-3	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		12/27/16 16:22	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		12/27/16 16:22	108-67-8	
Xylene (Total)	<3.0	ug/L	3.0	1		12/27/16 16:22	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	117	%	70-130	1		12/27/16 16:22	1868-53-7	
Toluene-d8 (S)	84	%	70-130	1		12/27/16 16:22	2037-26-5	
4-Bromofluorobenzene (S)	85	%	70-130	1		12/27/16 16:22	460-00-4	

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ANALYTICAL RESULTS

Project: 49155002016001 ENBRIDGE MP85

Pace Project No.: 40143846

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: MW-2		Lab ID: 40143846013		Collected: 12/20/16 14:46	Received: 12/23/16 09:00	Matrix: Water		
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	<1.0	ug/L	1.0	1		12/27/16 16:45	71-43-2	
Ethylbenzene	29.3	ug/L	1.0	1		12/27/16 16:45	100-41-4	
Toluene	<1.0	ug/L	1.0	1		12/27/16 16:45	108-88-3	
1,2,4-Trimethylbenzene	16.9	ug/L	1.0	1		12/27/16 16:45	95-63-6	
1,3,5-Trimethylbenzene	31.9	ug/L	1.0	1		12/27/16 16:45	108-67-8	
Xylene (Total)	28.8	ug/L	3.0	1		12/27/16 16:45	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	113	%	70-130	1		12/27/16 16:45	1868-53-7	
Toluene-d8 (S)	90	%	70-130	1		12/27/16 16:45	2037-26-5	
4-Bromofluorobenzene (S)	96	%	70-130	1		12/27/16 16:45	460-00-4	

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ANALYTICAL RESULTS

Project: 49155002016001 ENBRIDGE MP85

Pace Project No.: 40143846

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: MW-8		Lab ID: 40143846014		Collected: 12/20/16 15:09	Received: 12/23/16 09:00	Matrix: Water		
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	<1.0	ug/L	1.0	1		12/27/16 17:07	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		12/27/16 17:07	100-41-4	
Toluene	<1.0	ug/L	1.0	1		12/27/16 17:07	108-88-3	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		12/27/16 17:07	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		12/27/16 17:07	108-67-8	
Xylene (Total)	<3.0	ug/L	3.0	1		12/27/16 17:07	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	115	%	70-130	1		12/27/16 17:07	1868-53-7	HS
Toluene-d8 (S)	86	%	70-130	1		12/27/16 17:07	2037-26-5	
4-Bromofluorobenzene (S)	85	%	70-130	1		12/27/16 17:07	460-00-4	

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ANALYTICAL RESULTS

Project: 49155002016001 ENBRIDGE MP85

Pace Project No.: 40143846

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: MW-3		Lab ID: 40143846015		Collected: 12/20/16 15:31	Received: 12/23/16 09:00	Matrix: Water		
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	<1.0	ug/L	1.0	1		12/27/16 17:29	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		12/27/16 17:29	100-41-4	
Toluene	<1.0	ug/L	1.0	1		12/27/16 17:29	108-88-3	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		12/27/16 17:29	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		12/27/16 17:29	108-67-8	
Xylene (Total)	<3.0	ug/L	3.0	1		12/27/16 17:29	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	116	%	70-130	1		12/27/16 17:29	1868-53-7	
Toluene-d8 (S)	85	%	70-130	1		12/27/16 17:29	2037-26-5	
4-Bromofluorobenzene (S)	85	%	70-130	1		12/27/16 17:29	460-00-4	

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ANALYTICAL RESULTS

Project: 49155002016001 ENBRIDGE MP85

Pace Project No.: 40143846

Sample: MW-11		Lab ID: 40143846016		Collected: 12/20/16 15:44	Received: 12/23/16 09:00	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	<4.0	ug/L	4.0	4		12/27/16 12:16	71-43-2	
Ethylbenzene	71.6	ug/L	4.0	4		12/27/16 12:16	100-41-4	
Toluene	<4.0	ug/L	4.0	4		12/27/16 12:16	108-88-3	
1,2,4-Trimethylbenzene	169	ug/L	4.0	4		12/27/16 12:16	95-63-6	
1,3,5-Trimethylbenzene	58.2	ug/L	4.0	4		12/27/16 12:16	108-67-8	
Xylene (Total)	850	ug/L	12.0	4		12/27/16 12:16	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	114	%	70-130	4		12/27/16 12:16	1868-53-7	pH
Toluene-d8 (S)	90	%	70-130	4		12/27/16 12:16	2037-26-5	
4-Bromofluorobenzene (S)	97	%	70-130	4		12/27/16 12:16	460-00-4	

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ANALYTICAL RESULTS

Project: 49155002016001 ENBRIDGE MP85

Pace Project No.: 40143846

Sample: M-1	Lab ID: 40143846017	Collected: 12/20/16 00:00	Received: 12/23/16 09:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	7.2	ug/L	1.0	1		12/27/16 18:14	71-43-2	
Ethylbenzene	30.1	ug/L	1.0	1		12/27/16 18:14	100-41-4	
Toluene	<1.0	ug/L	1.0	1		12/27/16 18:14	108-88-3	
1,2,4-Trimethylbenzene	9.0	ug/L	1.0	1		12/27/16 18:14	95-63-6	
1,3,5-Trimethylbenzene	48.5	ug/L	1.0	1		12/27/16 18:14	108-67-8	
Xylene (Total)	16.8	ug/L	3.0	1		12/27/16 18:14	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	113	%	70-130	1		12/27/16 18:14	1868-53-7	
Toluene-d8 (S)	91	%	70-130	1		12/27/16 18:14	2037-26-5	
4-Bromofluorobenzene (S)	97	%	70-130	1		12/27/16 18:14	460-00-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 49155002016001 ENBRIDGE MP85

Pace Project No.: 40143846

QC Batch: 245042 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
 Associated Lab Samples: 40143846001, 40143846002, 40143846003, 40143846004, 40143846005, 40143846006, 40143846007, 40143846008, 40143846009, 40143846010, 40143846011, 40143846012, 40143846013, 40143846014, 40143846015, 40143846016, 40143846017

METHOD BLANK: 1450735 Matrix: Water

Associated Lab Samples: 40143846001, 40143846002, 40143846003, 40143846004, 40143846005, 40143846006, 40143846007, 40143846008, 40143846009, 40143846010, 40143846011, 40143846012, 40143846013, 40143846014, 40143846015, 40143846016, 40143846017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	12/27/16 10:14	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	12/27/16 10:14	
Benzene	ug/L	<1.0	1.0	12/27/16 10:14	
Ethylbenzene	ug/L	<1.0	1.0	12/27/16 10:14	
Toluene	ug/L	<1.0	1.0	12/27/16 10:14	
Xylene (Total)	ug/L	<3.0	3.0	12/27/16 10:14	
4-Bromofluorobenzene (S)	%	84	70-130	12/27/16 10:14	
Dibromofluoromethane (S)	%	117	70-130	12/27/16 10:14	
Toluene-d8 (S)	%	85	70-130	12/27/16 10:14	

LABORATORY CONTROL SAMPLE: 1450736

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	59.1	118	60-135	
Ethylbenzene	ug/L	50	53.2	106	70-136	
Toluene	ug/L	50	52.9	106	70-130	
Xylene (Total)	ug/L	150	171	114	70-135	
4-Bromofluorobenzene (S)	%			106	70-130	
Dibromofluoromethane (S)	%			116	70-130	
Toluene-d8 (S)	%			88	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1451129 1451130

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual	
		40143820005 Result	Spike Conc.	Spike Conc.	MS Result						MSD Result
Benzene	ug/L	<0.50	50	50	56.4	57.4	113	115	57-138	2	20
Ethylbenzene	ug/L	<0.50	50	50	52.5	52.2	105	104	70-138	1	20
Toluene	ug/L	<0.50	50	50	52.7	52.1	105	104	70-130	1	20
Xylene (Total)	ug/L	<1.5	150	150	170	168	113	112	70-135	1	20
4-Bromofluorobenzene (S)	%						103	105	70-130		
Dibromofluoromethane (S)	%						114	117	70-130		
Toluene-d8 (S)	%						87	89	70-130		

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

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QUALIFIERS

Project: 49155002016001 ENBRIDGE MP85

Pace Project No.: 40143846

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

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

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 49155002016001 ENBRIDGE MP85

Pace Project No.: 40143846

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40143846001	MW-17	EPA 8260	245042		
40143846002	MW-21	EPA 8260	245042		
40143846003	MW-16	EPA 8260	245042		
40143846004	MW-15D	EPA 8260	245042		
40143846005	MW-15	EPA 8260	245042		
40143846006	MW-34	EPA 8260	245042		
40143846007	MW-33	EPA 8260	245042		
40143846008	MW-13	EPA 8260	245042		
40143846009	MW-6	EPA 8260	245042		
40143846010	MW-14	EPA 8260	245042		
40143846011	MW-5	EPA 8260	245042		
40143846012	MW-4	EPA 8260	245042		
40143846013	MW-2	EPA 8260	245042		
40143846014	MW-8	EPA 8260	245042		
40143846015	MW-3	EPA 8260	245042		
40143846016	MW-11	EPA 8260	245042		
40143846017	M-1	EPA 8260	245042		

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: <u>1891973</u> of	
Company: <u>Bart Engineering</u>		Report To: <u>Manuel Tramon / Ted Aspice</u>		Attention: <u>Manuel Tramon</u>		REGULATORY AGENCY <input type="checkbox"/> NPDES <input checked="" type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER _____	
Address: <u>M. Nuyets Minn</u>		Copy To: <u>J. Tavelson</u>		Company Name: <u>Bart Engineering</u>			
Email To: <u>Jaspice@Bart.com</u>		Purchase Order No.:		Address:		Site Location STATE: <u>WI</u>	
Phone: _____ Fax: _____		Project Name: <u>Embodge MPBS</u>		Pace Quote Reference:			
Requested Due Date/TAT: <u>Standard</u>		Project Number: <u>495500201401</u>		Pace Project Manager:		Pace Profile #:	

ITEM #	SAMPLE ID (A-Z, 0-9 / , -) Sample IDs MUST BE UNIQUE	Matrix Codes MATRIX / CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test ↓ <u>ACC. MPBS</u>	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No. / Lab I.D.	
					COMPOSITE START		COMPOSITE END/GRAB				Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol					Other
					DATE	TIME	DATE	TIME														
1	<u>014</u>	<u>mw-8</u>					<u>12/20</u>	<u>3:09pm</u>	<u>2</u>			<u>X</u>								<u>2-40ml vB</u>		
2	<u>015</u>	<u>mw-3</u>					<u>12/20</u>	<u>3:31</u>	<u>2</u>			<u>X</u>								<u>↓</u>		
3	<u>016</u>	<u>mw-11</u>					<u>12/20</u>	<u>3:44</u>	<u>2</u>			<u>X</u>								<u>2-40ml v a g B</u>		
4	<u>017</u>	<u>M-1</u>					<u>12/20</u>	<u>Am</u>	<u>2</u>			<u>X</u>								<u>2-40ml vB</u>		
5	<u>018</u>	<u>12/23/16</u>																				
6		<u>SW</u>																				
7																						
8																						
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	<u>Walter Mitchell</u>	<u>12/21/16</u>	<u>1:00pm</u>	<u>Luzant K. Wyle</u>	<u>12/23/16</u>	<u>0900</u>	<u>ROI</u>	<u>Y</u>	<u>N</u>	<u>X</u>

ORIGINAL

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <u>Walter Mitchell</u>					
SIGNATURE of SAMPLER: <u>Walter Mitchell</u>	DATE Signed (MM/DD/YY): <u>12/21/16</u>				

Sample Condition Upon Receipt

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

Pace Analytical™

Project #:

WO#: 40143846

Client Name: Barr Engineering
Courier: Fed Ex UPS Client Pace Other Walpro
Tracking #: 1245381



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

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

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used: N/A Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature: Uncorr: ROT / Corr: _____ Biological Tissue is Frozen: yes no

Temp Blank Present: yes no

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

Person examining contents:
Date: 12-23-16
Initials: SKW

		Comments:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
- Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
- Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>Collect times on samples is AM or PM.</u>
- Includes date/time/ID/Analysis Matrix: <u>W</u>		<u>12-23-16</u>
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct <u>SKW</u>
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12) exceptions: (VOA), coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Initial when completed	Lab Std #ID of preservative	Date/Time:
Headspace in VOA Vials (>6mm):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14. <u>001 - 1 vial; 002 - 1 vial; 008 - 1 vial; 011 - 2 vials; 02 - 1 vial; 014 - 1 vial.</u>
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15. <u>12-23-16 SKW</u>
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ If checked, see attached form for additional comments

Comments/ Resolution: _____

Project Manager Review: SKW for Dan

Date: 12-23-16