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March 31, 2015

Carrie Stoltz
Wisconsin Department of Natural Resources
107 Sutliff Avenue
Rhinelander WI 54501



Re: Annual System O&M and Groundwater Monitoring Report 2014
Enbridge Line 14, Milepost 85 Leaksite
Rusk County, Wisconsin
WDNR BRRTS# 02-55-548746

Dear Ms. Stoltz:

Enclosed is one copy of the *Annual System O&M and Groundwater Monitoring Report 2014* for Enbridge's MP 85 Reichel Road Leaksite in Rusk County, WI. The objectives of this report continue to be to provide a summary of the groundwater monitoring, remediation system operation and other activities from 2014 and to provide a work plan for quarterly groundwater monitoring and system operation activities for 2015.

The SVE/AS systems at the Site were in operation from February 26th through the end of the year. On June 11th MW-7D was added as a deep sparge point. A repair was made to the air line in December due to a crack in the PVC piping. We plan to shut down the SVE part of the remediation system in 2015, upon approval of the WDNR. We continue sampling of the monitoring wells on a quarterly basis and will continue through 2015. Benzene concentrations in groundwater from site monitoring wells range from non-detect to 80.2 ppb, a decrease from a maximum 156 ppb in 2013, and the groundwater gradient remains fairly consistent trending to the southeast.

If you have any questions please feel free to call me at (715) 398-4754.

Sincerely,
Enbridge Energy LP

Karl F. Beaster, P.G.
Sr. Environmental Analyst

Enclosure

cc: Jon Aspie; Barr Engineering

***Annual System Operation and Monitoring and
Groundwater Monitoring Report 2014***

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

***Prepared for
Enbridge Energy, Limited Partnership***

March 2015



Annual System Operation and Monitoring and Groundwater Monitoring Report 2014

Line 14, MP 85 Crude Oil Release Rusk County, Wisconsin March 2015

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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 2014
WDNR BRRTS # 02-55-548746
Date: March 9, 2015
Project: 49550029.05

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, 2014. 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 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 through the remainder of 2014.

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 also been connected to the SVE system and used as a SVE extraction point during the second half of 2014.

To: Karl Beaster, Enbridge Energy
From: Jon Aspie, P.G.
Subject: MP85 System O&M and Groundwater Monitoring Annual Report 2014
Date: March 9, 2015
Page: 2

Total volatile organic compounds (VOC) and benzene concentrations in the SVE emissions have remained below levels where permitting or treatment would be required since the catalytic oxidation emission treatment system was removed in May 2009. The fresh air dilution valve was closed on September 11, 2009, and has remained closed since that time. Monthly sampling of SVE emissions has been conducted to monitor that concentrations remain below regulatory levels and to evaluate system operation. Monitoring and sampling of SVE emissions has been conducted in accordance with WDNR guidelines.

The source area AS system is composed of seven AS points. The airflow to the each of the AS points is manually adjusted during site visits. During the first half of 2014, airflow of approximately 4 to 5 standard cubic feet per minute (scfm) per point was directed to each of the points. The AS system was manually shut off for approximately 15 minutes during each site visit (conducted at two-week 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 to match airflow 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 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. MW-7D is located in the area of the hydrocarbon plume with the highest concentration of residual hydrocarbons and air sparging was added to enhance remediation efforts.

Field data and observations indicated that sparging activity was not occurring at MW-7D, although airflow to the line was present. Excavation was conducted to inspect the lateral line to MW-7D in December 2014. A crack in the line was found and repaired. The system was restarted on December 11, 2014 and data indicated that airflow and sparging activity was now occurring at MW-7D. Sparging is currently conducted at points MW-7D, AS-4 and AS-5.

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 had 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 are measured on a quarterly basis in RW-1 and RW-3 when the system is operating as these wells are used as SVE points. Water and product levels are measured in the other mentioned wells at monthly intervals during periods of system operation.

During 2014, product was not observed in MW-2, or MW-11. A trace amount of product was observed in RW-2 and RW-3 in March 2014 at a thickness of less than 0.01 feet. Product was observed at MW-7 from January 2014 to June 2014 at a thickness ranging from less than 0.01 feet to 0.02 feet. Product was observed at RW-2, RW-3, and MW-7 only at times when water levels declined to elevations where product has historically been observed, but not when water levels rose above those elevations. Water elevation, product elevation and product thickness for MW-7 are shown on Chart 4. Wells RW-1 and RW-3 are also used as SVE wells. Sediment appears to be present in RW-1 to an elevation above the average water table level and anomalous measurements are present at that well. However, product was not observed at RW-1 in 2014.

All of the wells where product historically had been observed are located within an area effectively influenced by the SVE system, as negative pressure is measured at all these wells. Additionally, free product had historically been removed from the wells (other than RW-1 and RW-2) by bailing or with absorbent pads. A limited amount (less than 1 gallon) of product was removed from MW-7 with absorbent pads during 2014.

Trends in SVE Emissions

The SVE system was put into operation in January 2008. Concentrations of total VOCs (sampled as Total Petroleum Hydrocarbons (TPH)) in SVE emissions declined from a high of 51,000 ppm in March 2008 to less than 1,000 ppm in September 2008 then rebounded and stabilized in the range of approximately 1,400 to 3,400 ppm between October 2008 and December 2009, then declined again to low to non-detectable levels when the system was shut down in May 2013 (Table 6, Chart 2). TPH concentrations were greater than 100 ppm when the system was restarted in February 2014, but dropped to non-detectable concentrations by May 2014 and remained at that level through the remainder of 2014.

Total VOC emissions ranged from less than 0.1 pounds per hour to 0.24 pounds per hour during 2014. Benzene concentrations in the SVE emissions were less than detection limits during 2014 (Table 6). Total benzene discharged from the system during 2014 was less than 0.1 pounds. Therefore, emissions stayed well below regulatory levels for total VOC emission rates and total benzene mass in 2014.

Oxygen and carbon dioxide concentrations in the SVE emissions indicate that biodegradation of petroleum compounds is occurring at a rate greater than the mass removal through SVE emissions, based on calculations provided in WDNR guidance documents (WDNR File Ref: 4440, Guidance on Air Sampling and Emission Monitoring at Petroleum Contaminated Soil and Groundwater Remediation Projects).

The mass of VOCs removed by SVE through stack emissions in 2014 was approximately 432 pounds (equivalent to approximately 2 barrel in volume) (Chart 3, Table 7). The mass of VOCs removed through biodegradation during 2014 was approximately 29,500 pounds (equivalent to approximately 102 barrels in volume). These volumes are less than previous years (except 2013 during system shutdown) due to the fact that hydrocarbon concentrations were lower in SVE emissions, and the oxygen content in SVE emissions was higher than in the past (indicating a lower biodegradation rate).

Trends in Groundwater Quality

Water samples were collected quarterly from select monitoring wells in 2014. Dissolved phase hydrocarbon concentrations declined or remained relatively stable at monitoring wells sampled relative to the concentrations observed in 2013 (Table 1, Chart 1 and 1a). Benzene was not detected in samples collected from wells MW-21 and MW-27 in 2014 where low concentrations of benzene were detected on occasion in 2011 and 2013.

Benzene isoconcentration maps are presented for each of the quarterly sample rounds in 2014 as Figures 3a-d. The aerial extent of the dissolved phase plume is very similar for each of the four events in 2013. 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 and 1a). The maximum benzene concentration detected at any well in 2014 was 80.2 micrograms per liter (ug/l), which is lower than any previous year,

and the first year with a maximum concentration less than 100 ug/l. Benzene concentrations are also now lower in the vicinity of the release location (MW-11), than in wells MW-5, MW-7, MW-33, and MW-34.

Key Findings

In 2014, the remediation system was operated from February 26 into 2015. Following is a summary of system O&M and groundwater monitoring results:

- Product was observed in well MW-7 during the first half of the year at a maximum thickness of 0.02 feet. Product was observed in wells RW-2 and RW-3 only in March with a thickness of less than 0.01 feet. No product was observed at monitoring wells MW-2 and MW-11 in 2014.
- The concentrations of dissolved phase hydrocarbons in groundwater have declined from previous years. The maximum benzene concentrations detected at the site in 2014 were less than 100 ug/l.
- Monitoring well MW-7D was connected to the AS system to augment active remediation in an area with residual product. Active sparging at MW-7D began on December 11, 2014. Sparging is currently being conducted at points AS-4, AS-5, and MW-7D which are in the area with the highest dissolved phase hydrocarbon concentrations.
- Concentrations of VOCs in the SVE emissions declined to less than laboratory detection limits in May 2014, and remained at nondetectable levels through the remainder of the year.

Recommended System Operation

The system will be operated in 2015 during winter (i.e. January – March) when water levels are lowest and when product may be observed in wells. System O&M and groundwater monitoring site visits will be conducted on a monthly basis while the system is operated. Due to the low to non-detectable VOC concentrations in the SVE emissions, we plan to perform a SVE system shut down in 2015 upon notification to the WDNR.

The AS system will continue to be operated at points MW-7D and other points within the area of the groundwater plume with the highest residual hydrocarbon concentrations. Sparging at MW-7D is to determine if sparging will be effective to remove residual product occasionally observed at MW-7.

Analytical groundwater samples will be collected quarterly from select wells as part of remediation system monitoring.

II. WI DNR Form 4400-194

**OPERATION, MAINTENANCE, MONITORING
AND OPTIMIZATION REPORTING OF
SOIL AND GROUNDWATER REMEDIATION SYSTEMS**

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: 01/01/14 To 12/31/14 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: 1320 Grand Avenue, 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: 01/01/14 To: 12/31/14 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: Y. The groundwater table has risen since the time of the release. An additional air sparge point was added to the system in an area where residual product is occasionally observed to increase active remediation of hydrocarbon mass currently present below the water table.

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

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: 01/01/14 To: 12/31/14 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 Aspik, 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.

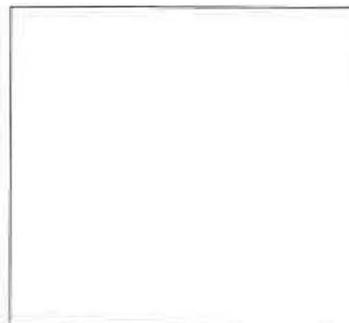
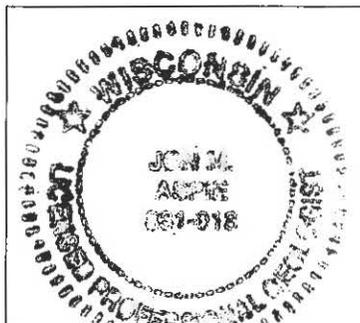
Signature, title and date: Jon Aspik, P.G. 03/06/2015

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: 01/01/14 To: 12/31/14 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. Sparging was only conducted at AS-4 and AS-5 along with MW-7D from June through December of 2014. These points are located in the portion of the plume with the highest concentrations of residual hydrocarbons. Sparge air did not appear to be entering MW-7D. A crack was found in the lateral line and was repaired in December 2014 and sparging was then conducted at MW-7D.

The supplemental sparge system was not operated during 2014. 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.

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: 308 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: 84%.

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: 80.2 $\mu\text{g/L}$ at MW-7 in August, 2014, 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 2014.

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: 01/01/14 To: 12/31/14 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: 14 total SVE wells, including 12 dedicated SVE wells and two monitoring wells connected to the SVE system. MW-33 was connected to the SVE line for SVE-7, and MW-7 was connected to the SVE-5 line. SVE was conducted at the 14 SVE wells from February 26, 2014 to December 31 in 2014. The vapor extraction was disconnected from MW-7 in June 2014. Vapor extraction was conducted at MW-33 beginning in June 2014 when an additional sparge point was operated in the vicinity (MW-7D).
2. Number of days of operation (only list the number of days the system actually operated, if unknown explain): 308
3. System utilization in percent (days of operation divided by reporting time period multiplied by 100). If less than 80%, explain: 84% based on system timer.
4. Average depth to groundwater: 35 feet (in the area of the SVE system)

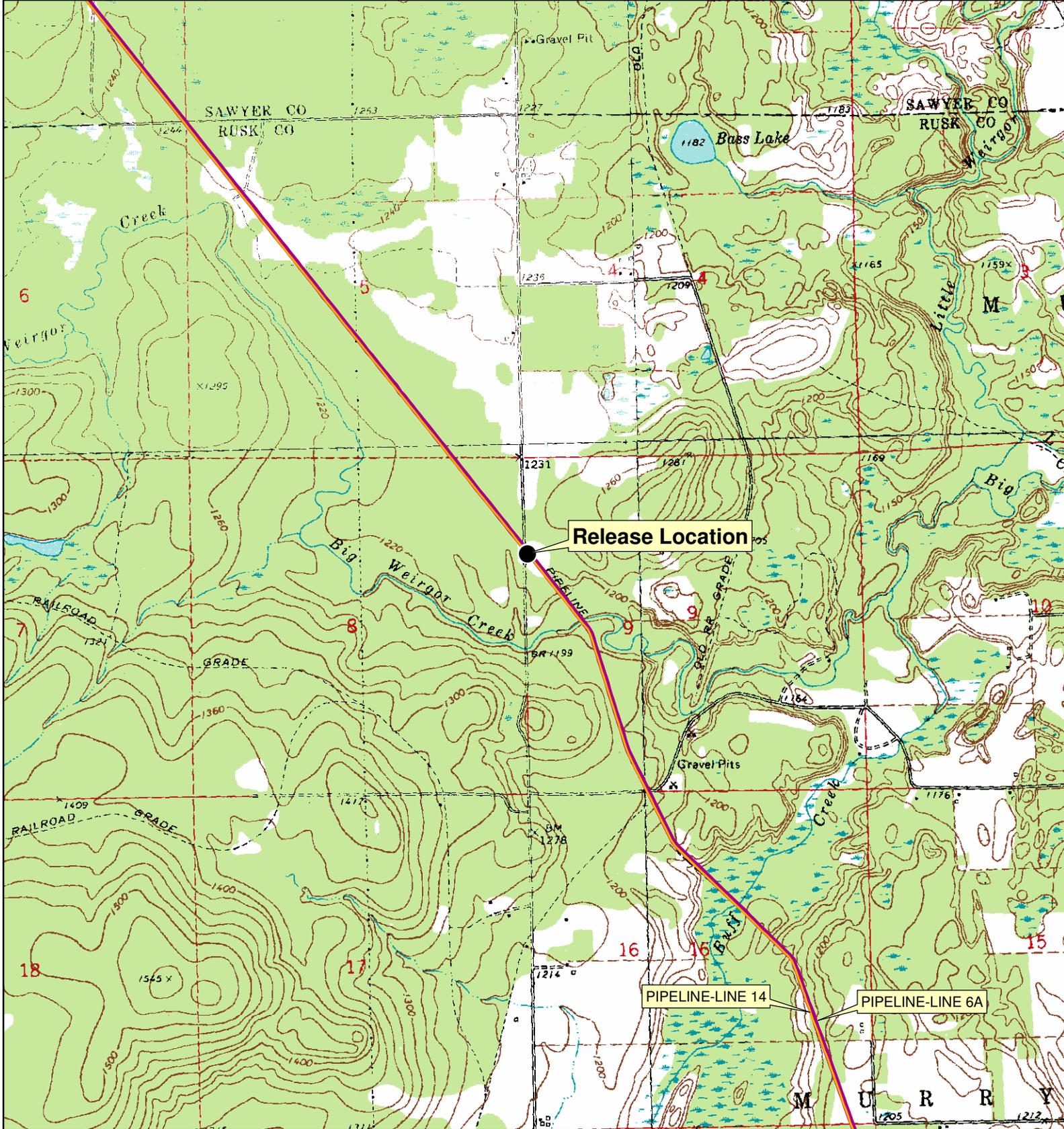
B. EFFECTIVENESS EVALUATION: [START HERE]

1. Average contaminant removal rate for the entire system (pounds per day): Direct removal via SVE emissions averaged approximately 1 pounds per day during the operational period of February 26 to December 31, plus an additional average removal of approximately 49 pounds per day due to biodegradation
2. Average contaminant removal rate per well (pounds per day): 0.08 pounds per day per SVE well by direct removal, plus an additional 4 pounds per day average per well for biodegradation.
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): 17 to 20%
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

PIPELINE-LINE 14

PIPELINE-LINE 6A



RELEASE LOCATION

WISCONSIN

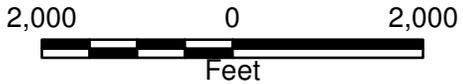
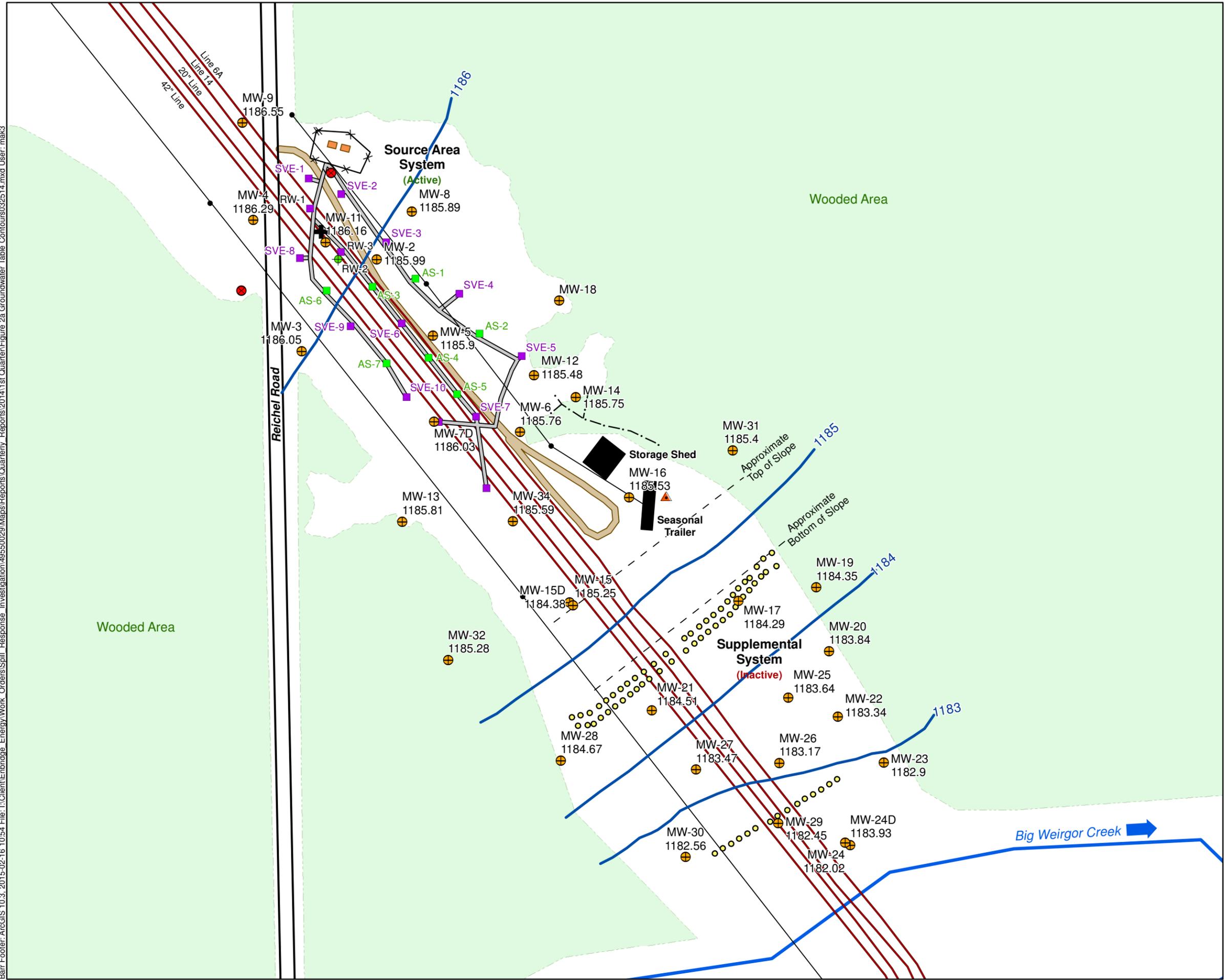


Figure 1

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

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

Barr Footer: ArcGIS 10.3. 2015-02-16 10:54 File: I:\Client\Enbridge_Energy\Work_Orders\Spill_Response_Investigation\49550029\Maps\Reports\Quarterly_Reports\2014\1st_Quarter\Figure 2a Groundwater Table Contours032514.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

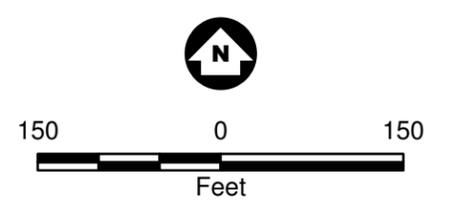
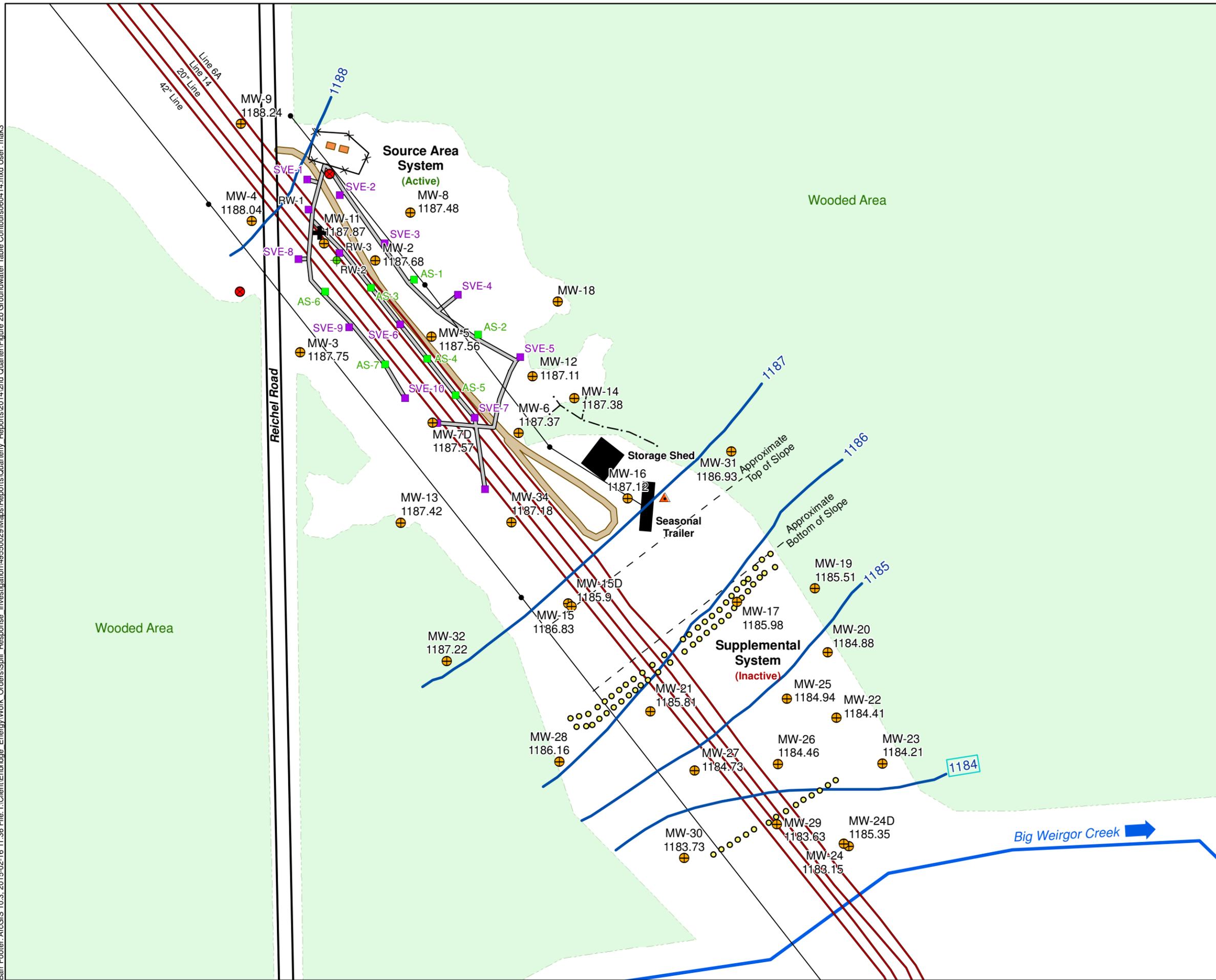


Figure 2a

GROUNDWATER TABLE CONTOURS
 March 25, 2014
 Enbridge Energy, Limited Partnership
 Line 14, MP 85 Crude Oil Release Site
 Rusk County, Wisconsin

Barr Footer: ArcGIS 10.3, 2015-02-16 11:36 File: I:\Client\Enbridge_Energy\Work_Orders\Spill_Response_Investigation\4955029\Maps\Reports\Quarterly_Reports\2014\2nd_Quarter\Figure 2b_Groundwater_Table_Contours060414.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

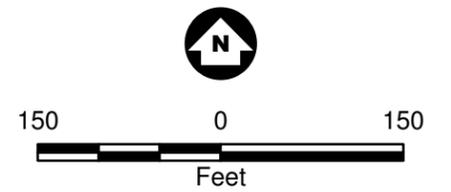
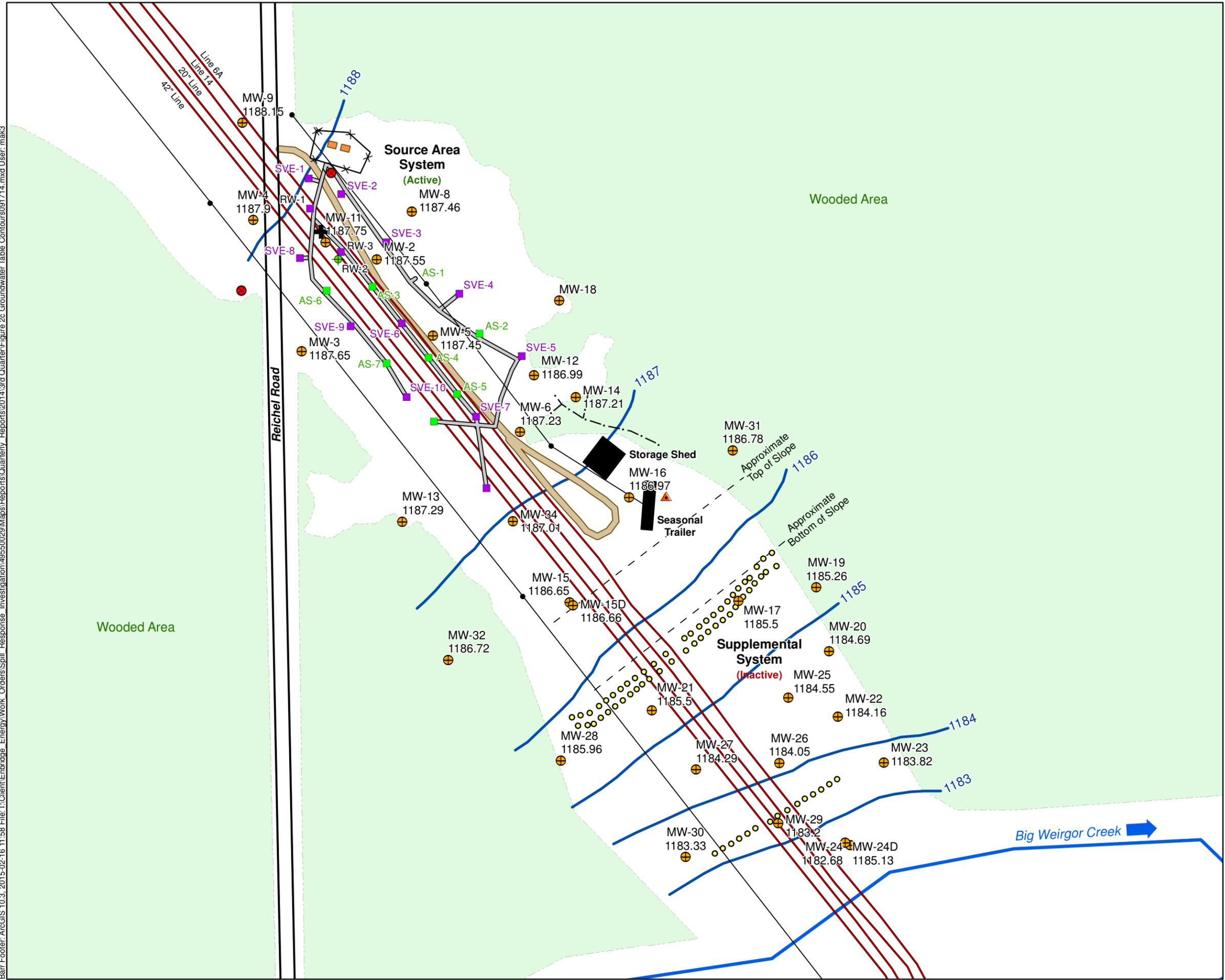


Figure 2b

GROUNDWATER TABLE CONTOURS
 June 4, 2014
 Enbridge Energy, Limited Partnership
 Line 14, MP 85 Crude Oil Release Site
 Rusk County, Wisconsin



- 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

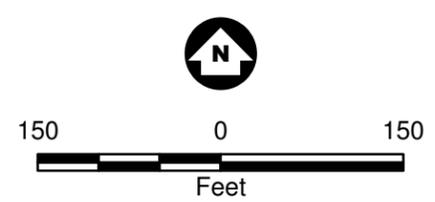
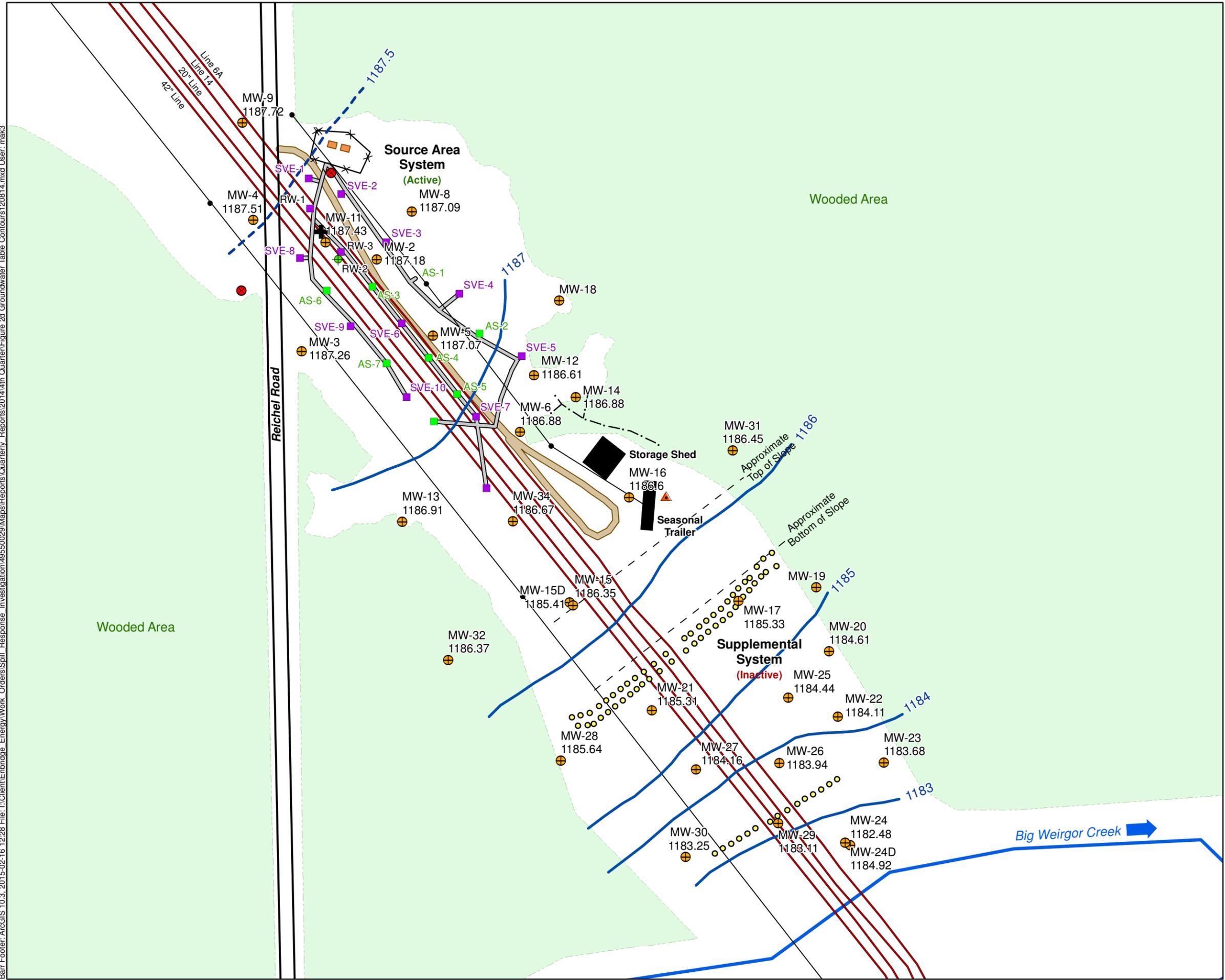


Figure 2c

GROUNDWATER TABLE CONTOURS
 September 17, 2014
 Enbridge Energy, Limited Partnership
 Line 14, MP 85 Crude Oil Release Site
 Rusk County, Wisconsin



- Groundwater Table Contour
 - - - Groundwater Table 0.5' Contour Interval
 - + Release Location
 - ⊕ Monitoring Wells
 - Abandoned Monitoring Wells
 - ⊕ Recovery Wells
 - Supplemental Sparge Wells
 - ▲ Residential Well
 - Source Area Sparge Wells
 - SVE Points
 - ×—× 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

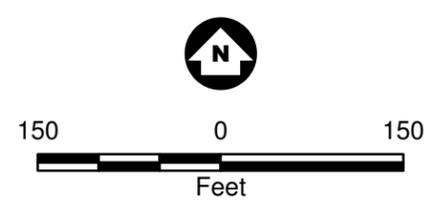
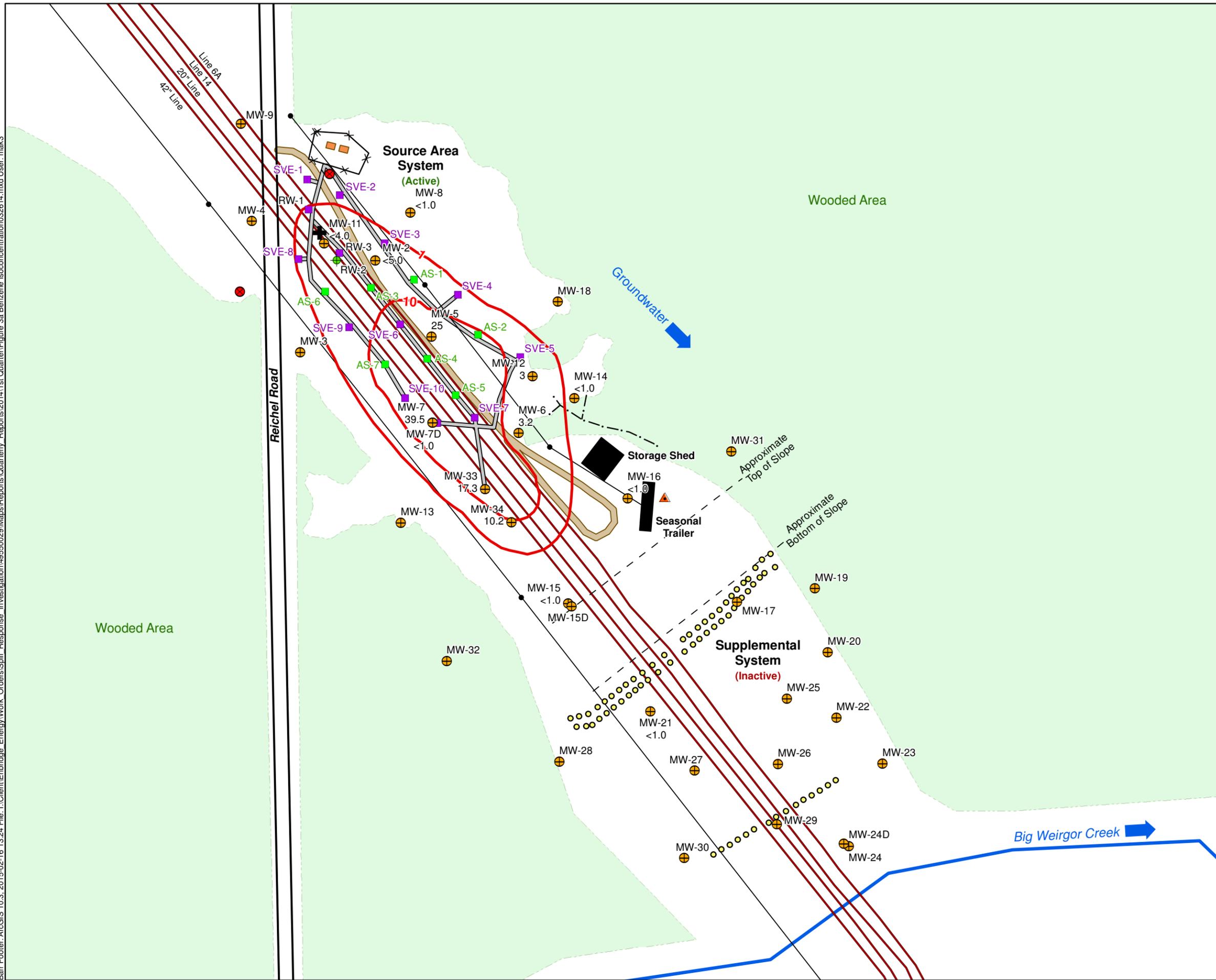


Figure 2d
GROUNDWATER TABLE CONTOURS
 December 8, 2014
 Enbridge Energy, Limited Partnership
 Line 14, MP 85 Crude Oil Release Site
 Rusk County, Wisconsin



- Benzene Isoconcentration Contours
Micrograms per Liter (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
- Approximate Pipeline Locations
- Overhead Powerlines and Poles
- Remediation System Sheds
- SVE / AS Trench
- 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

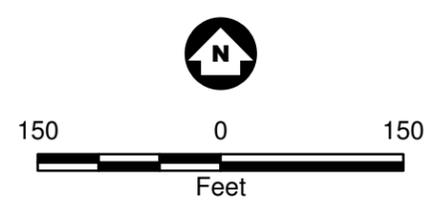
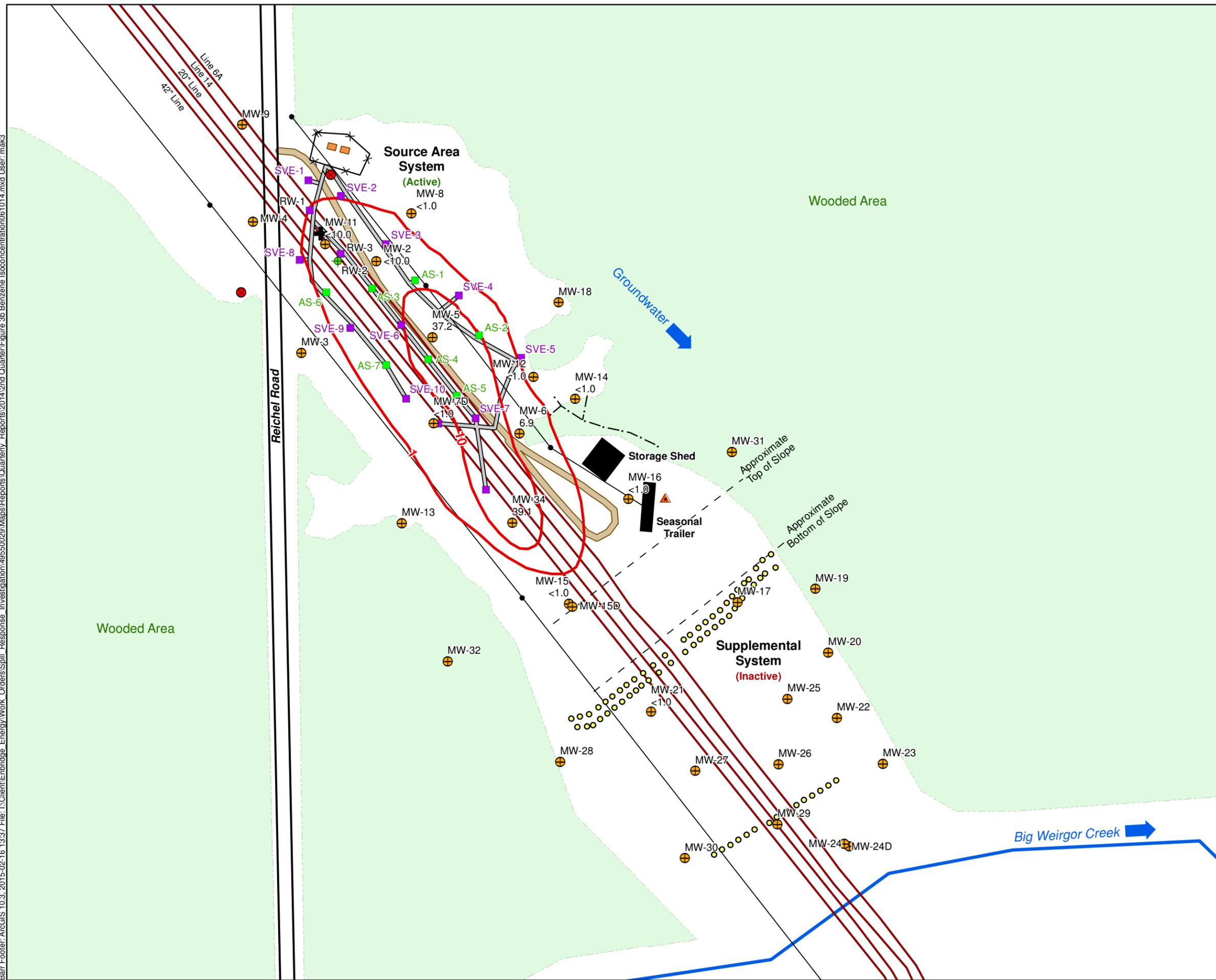


Figure 3a

BENZENE ISOCONCENTRATION
March 26, 2014
Enbridge Energy, Limited Partnership
Line 14, MP 85 Crude Oil Release Site
Rusk County, Wisconsin



- Benzene Isoconcentration Contours
Micrograms per Liter (ug/L)
- + Release Location
- ⊕ Monitoring Wells
- ⊕ Abandoned Monitoring Wells
- ⊕ Recovery Wells
- Supplemental Sparge Wells
- ▲ Residential Well
- Source Area Sparge Wells
- SVE Points
- ×—× Fence
- · - · - Ravine
- Approximate Pipeline Locations
- Overhead Powerlines and Poles
- ▭ Remediation System Sheds
- ▭ SVE / AS Trench
- ▭ 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

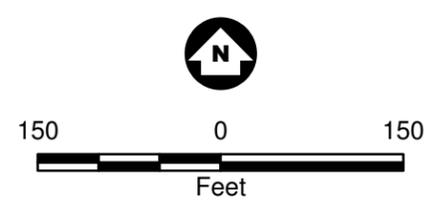
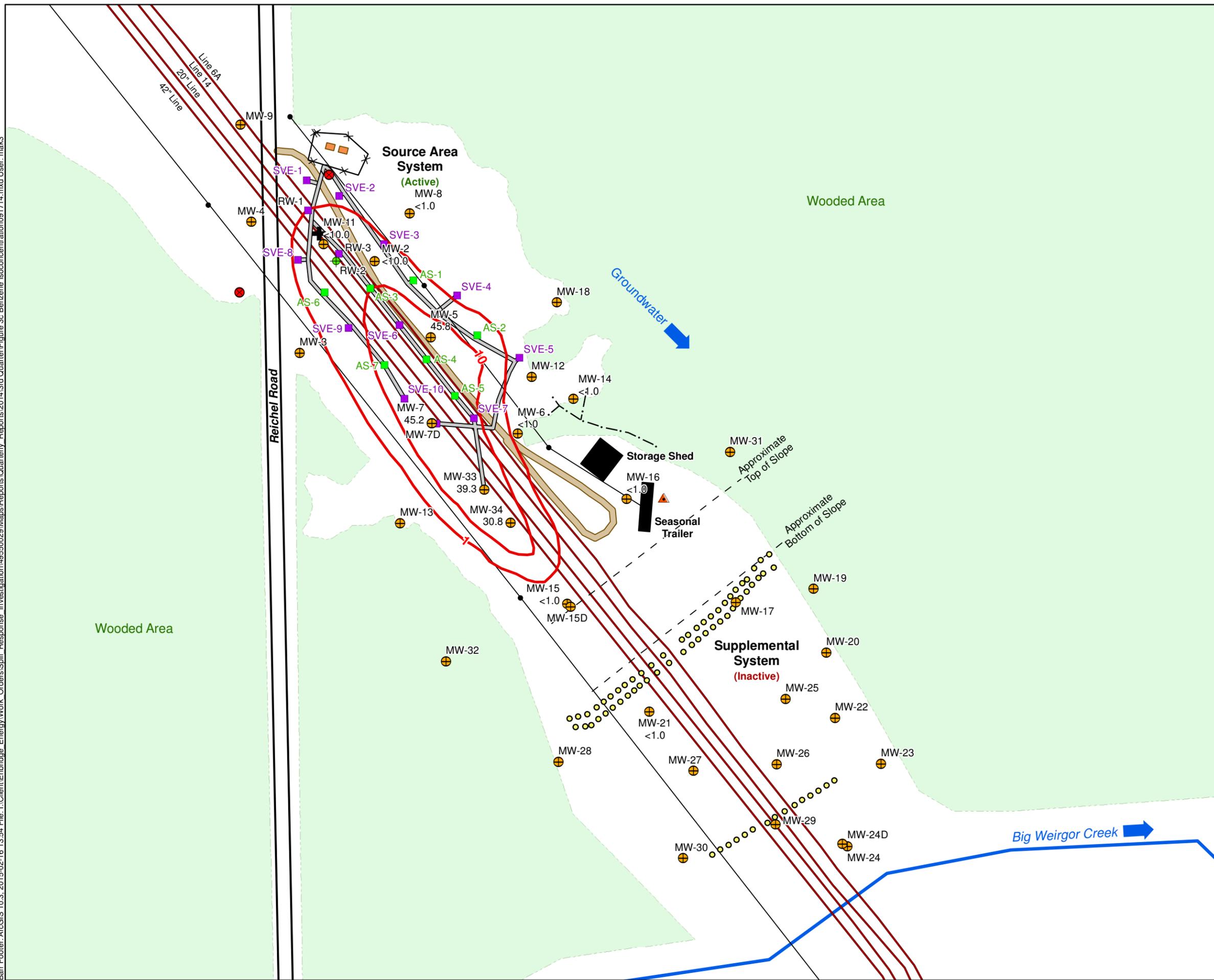


Figure 3b

BENZENE ISOCONCENTRATION
June 10, 2014
Enbridge Energy, Limited Partnership
Line 14, MP 85 Crude Oil Release Site
Rusk County, Wisconsin



- Benzene Isoconcentration Contours
Micrograms per Liter (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
- Approximate Pipeline Locations
- Overhead Powerlines and Poles
- Remediation System Sheds
- SVE / AS Trench
- 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

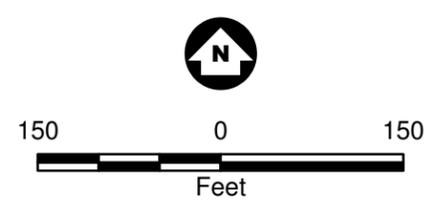
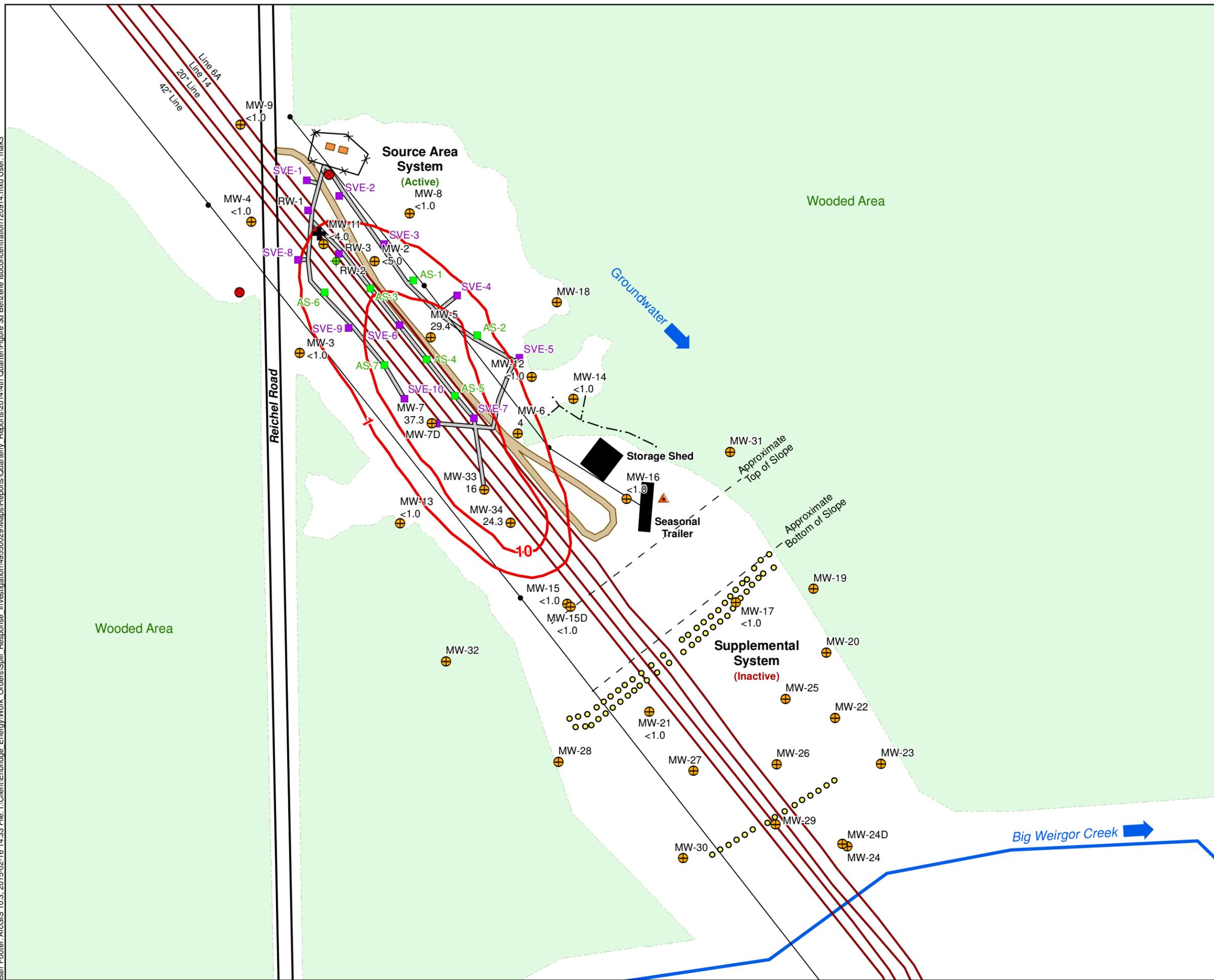


Figure 3c
BENZENE ISOCONCENTRATION
 September 17, 2014
 Enbridge Energy, Limited Partnership
 Line 14, MP 85 Crude Oil Release Site
 Rusk County, Wisconsin



- Benzene Isoconcentration Contours
Micrograms per Liter (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
- Approximate Pipeline Locations
- Overhead Powerlines and Poles
- Remediation System Sheds
- SVE / AS Trench
- 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

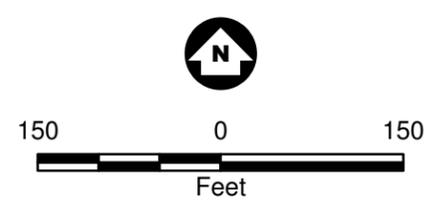
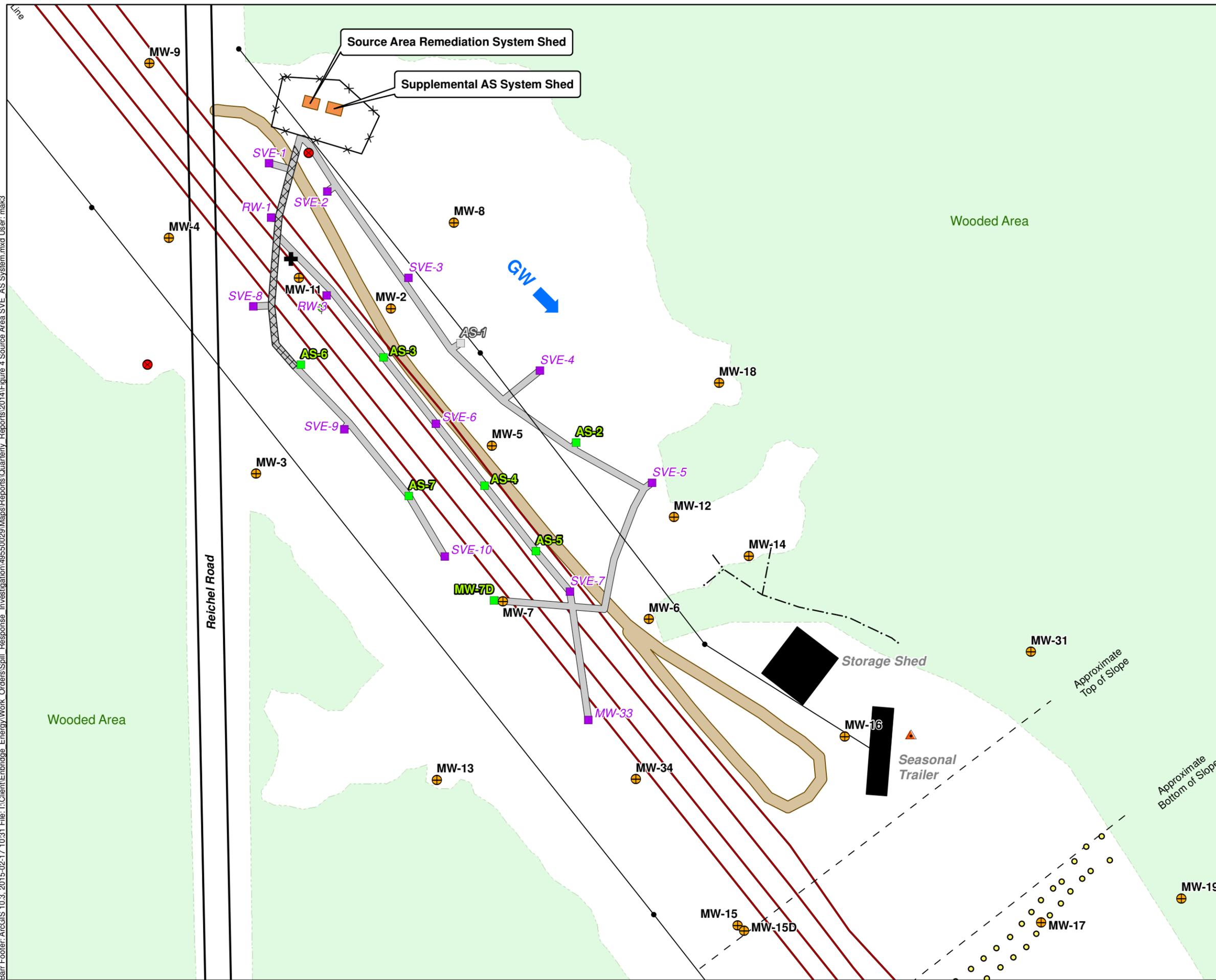


Figure 3d

BENZENE ISOCONCENTRATION
December 9, 2014
Enbridge Energy, Limited Partnership
Line 14, MP 85 Crude Oil Release Site
Rusk County, Wisconsin



- Release Location
- Monitoring Wells
- Abandoned Monitoring Wells
- Recovery Wells
- Supplemental Sparge Wells
- Residential Well
- Source Area Sparge Well
- SVE Point
- Taken Offline 6-11-2014
- Fence
- Ravine
- Approximate Pipeline Location
- Remediation System Sheds
- SVE/AS Trench
- Insulated Portion of SVE/AS Trench
- Driveway
- Structures
- Approximate Groundwater Flow Direction

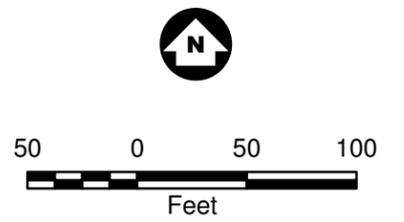
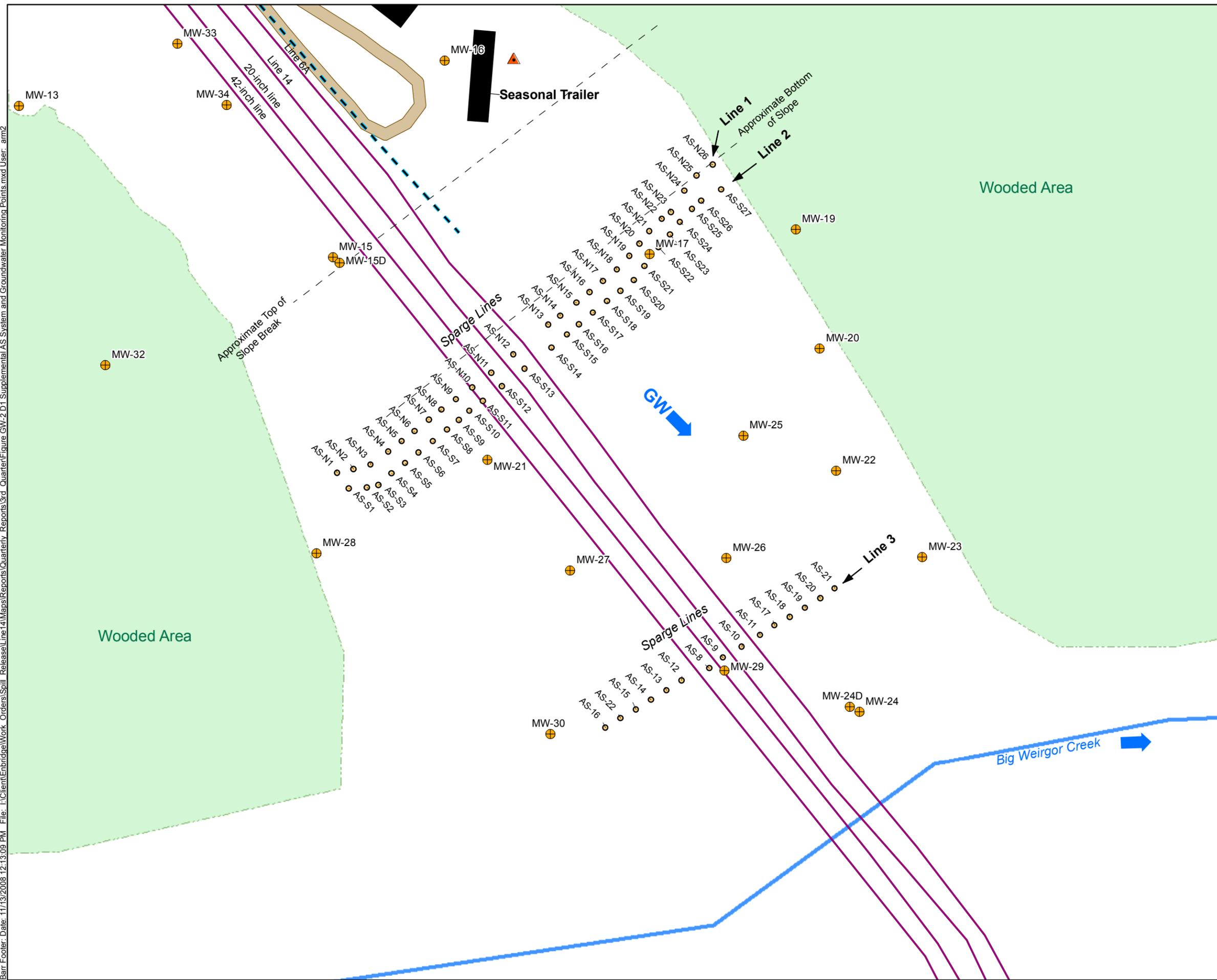


Figure 4

SOURCE AREA SVE/AS SYSTEM AND GROUNDWATER MONITORING POINTS
 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.

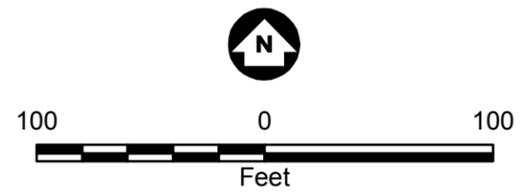
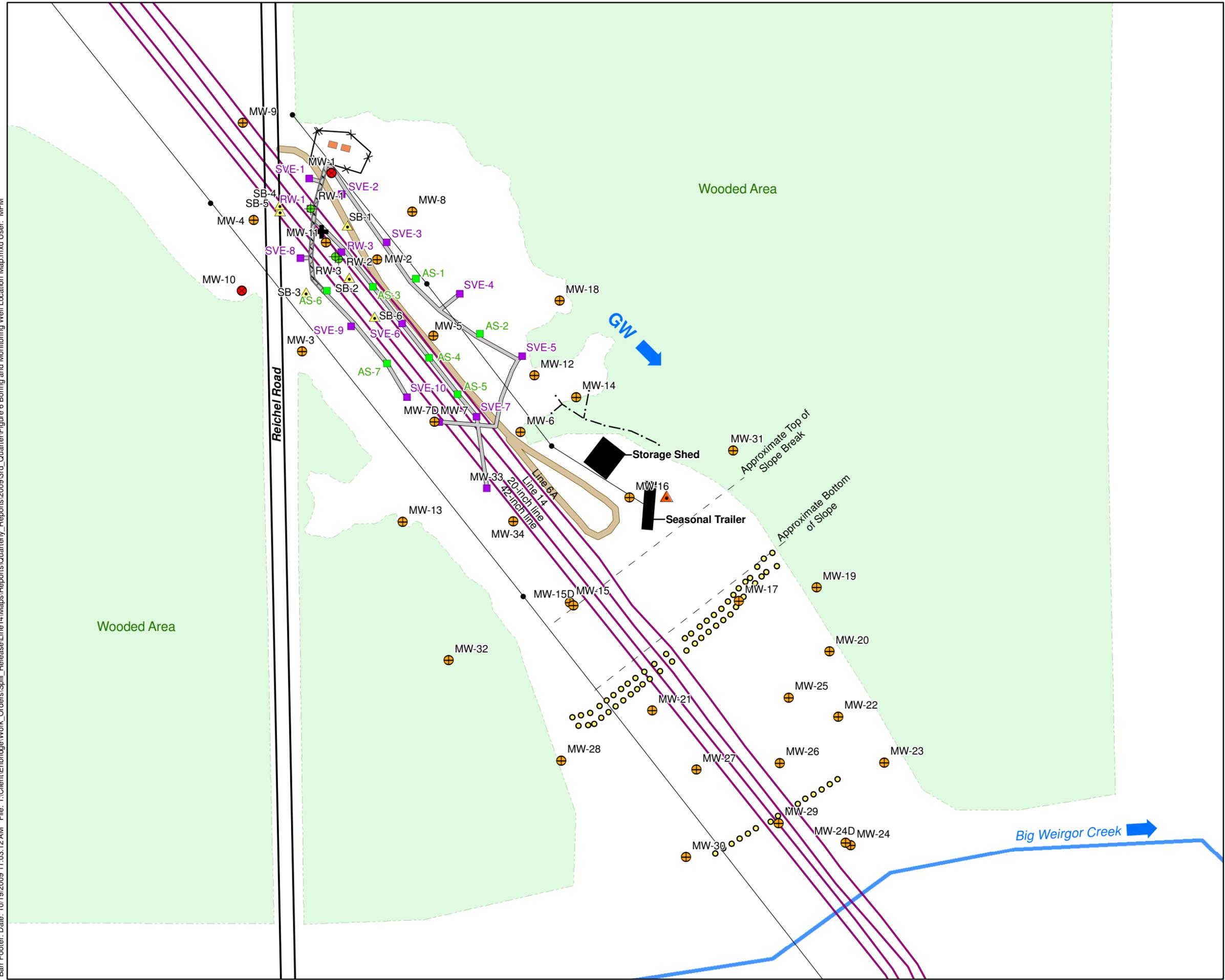


Figure 5
SUPPLEMENTAL AS SYSTEM AND
GROUNDWATER MONITORING POINTS
Enbridge Energy, Limited Partnership
Line 14, MP-85 Crude Oil Release Site
Rusk County, Wisconsin



- ✚ Release Location
- ▲ Soil Boring
- ⊕ Monitoring Well
- ⊙ Abandoned Monitoring Well
- ⊕ Recovery Well
- Supplemental Sparge Well
- ▲ Residential Well
- Source Area Sparge Well
- SVE Point
- ✕ Fence
- ⋯ Ravine
- Approximate Pipeline Location
- Overhead Powerlines and Poles
- Remediation System Sheds
- ▭ SVE/AS Trench
- ▨ Insulated Portion of SVE/AS Trench
- ▭ Driveway
- Structures
- ➡ Approximate Groundwater and River Flow Direction

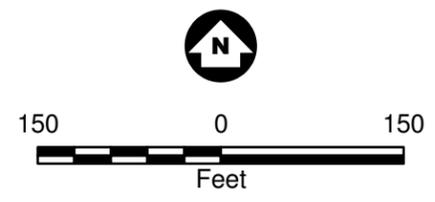


Figure 6
BORING AND MONITORING WELL
LOCATION MAP
Enbridge Energy, Limited Partnership
Line 14, MP-85 Crude Oil Release Site
Rusk County, Wisconsin

IV. Charts

Chart 1
Benzene Concentration vs Time
Wells Where Maximum Concentrations Exceeded 1,000 ug/l
Enbridge Energy Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin

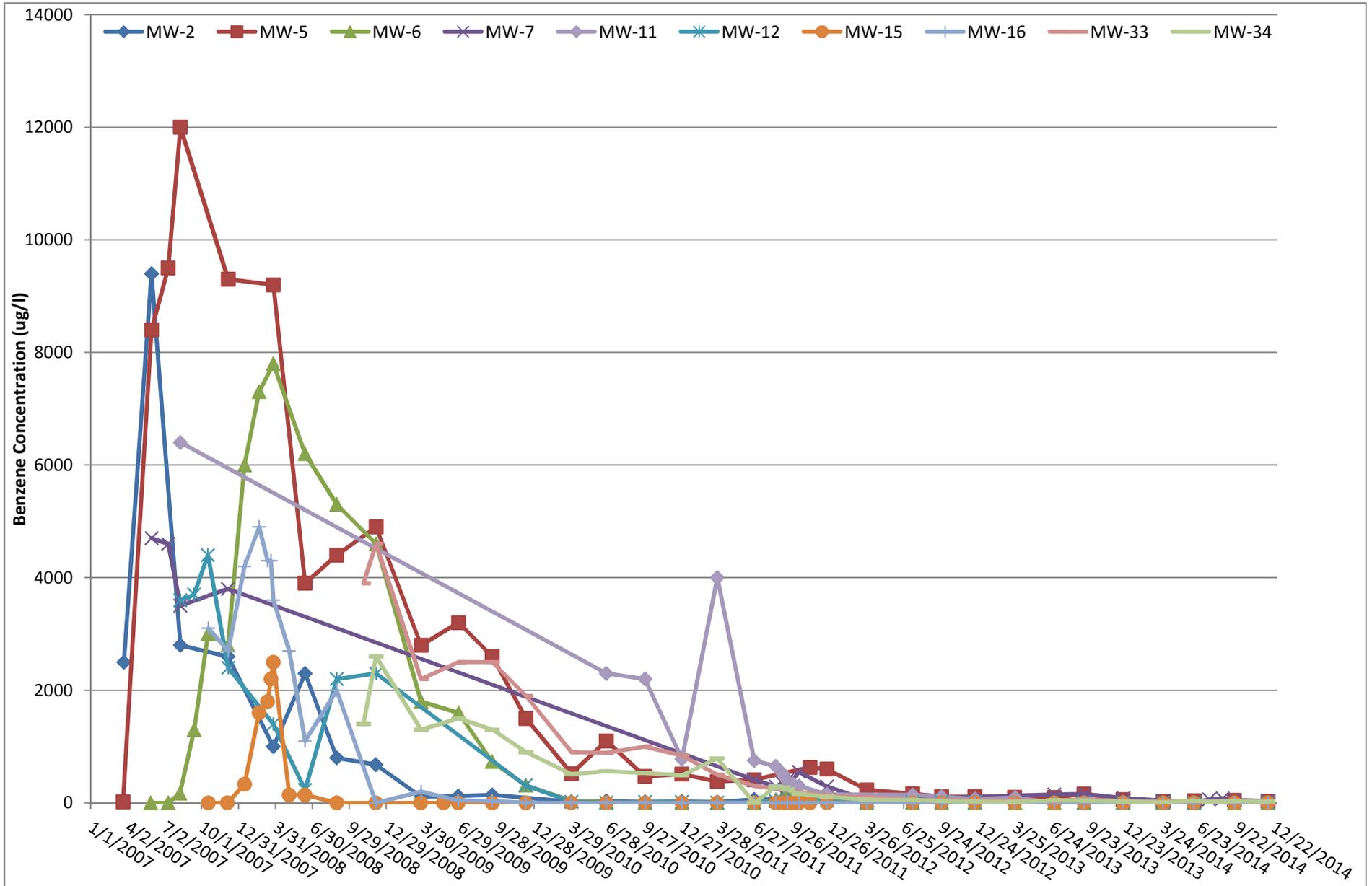


Chart 1a
 Benzene Concentrations vs Time
 Wells from Chart 1 Displaying Data starting in 2010
 Enbridge Energy Limited Partnership - Line 14, MP 85 Crude Oil Release
 Rusk County, Wisconsin

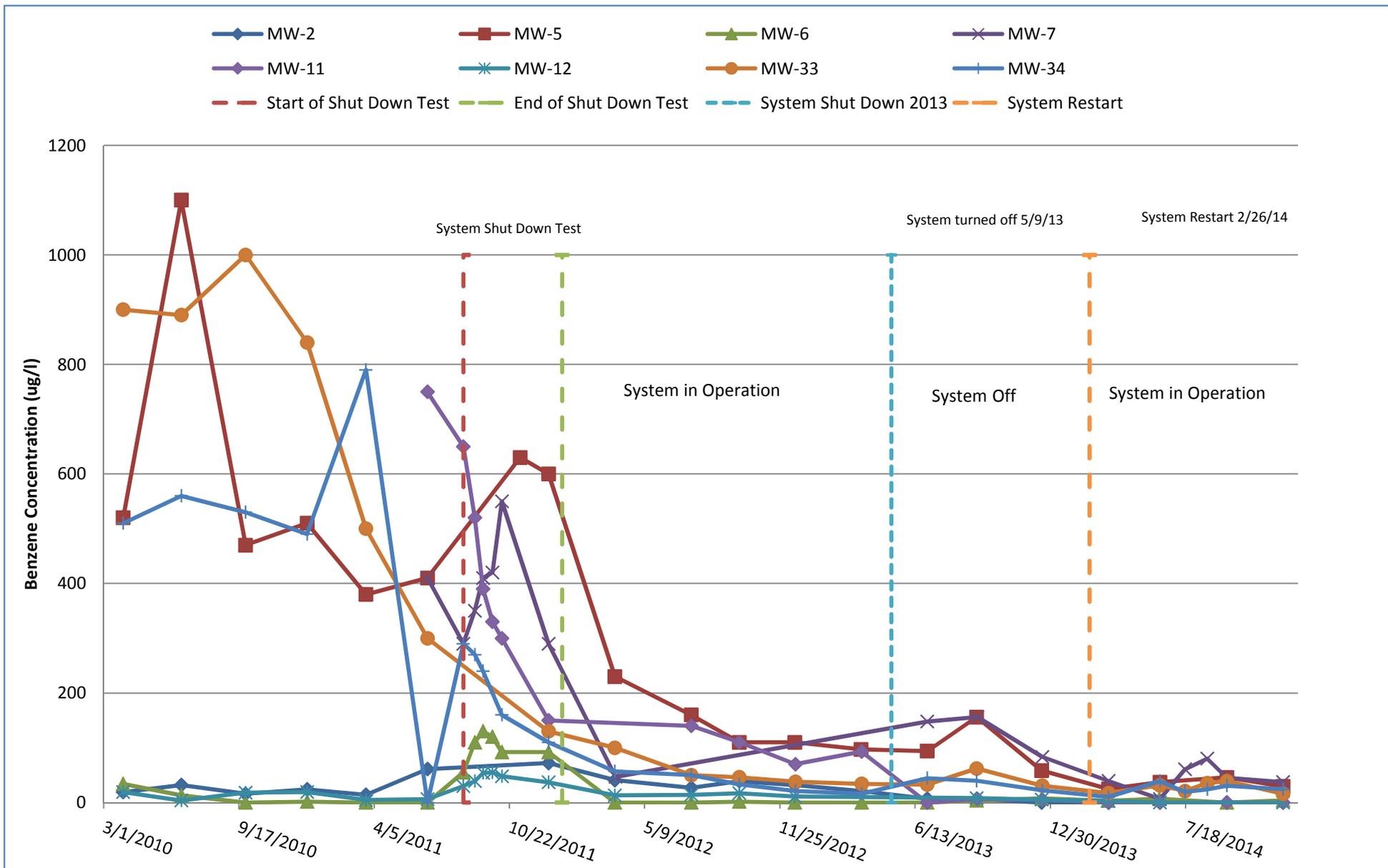


Chart 1b
 Benzene Concentrations vs Time
 Wells from Chart 1 Displaying Data for Recent 2 Years
 Enbridge Energy Limited Partnership - Line 14, MP 85 Crude Oil Release
 Rusk County, Wisconsin

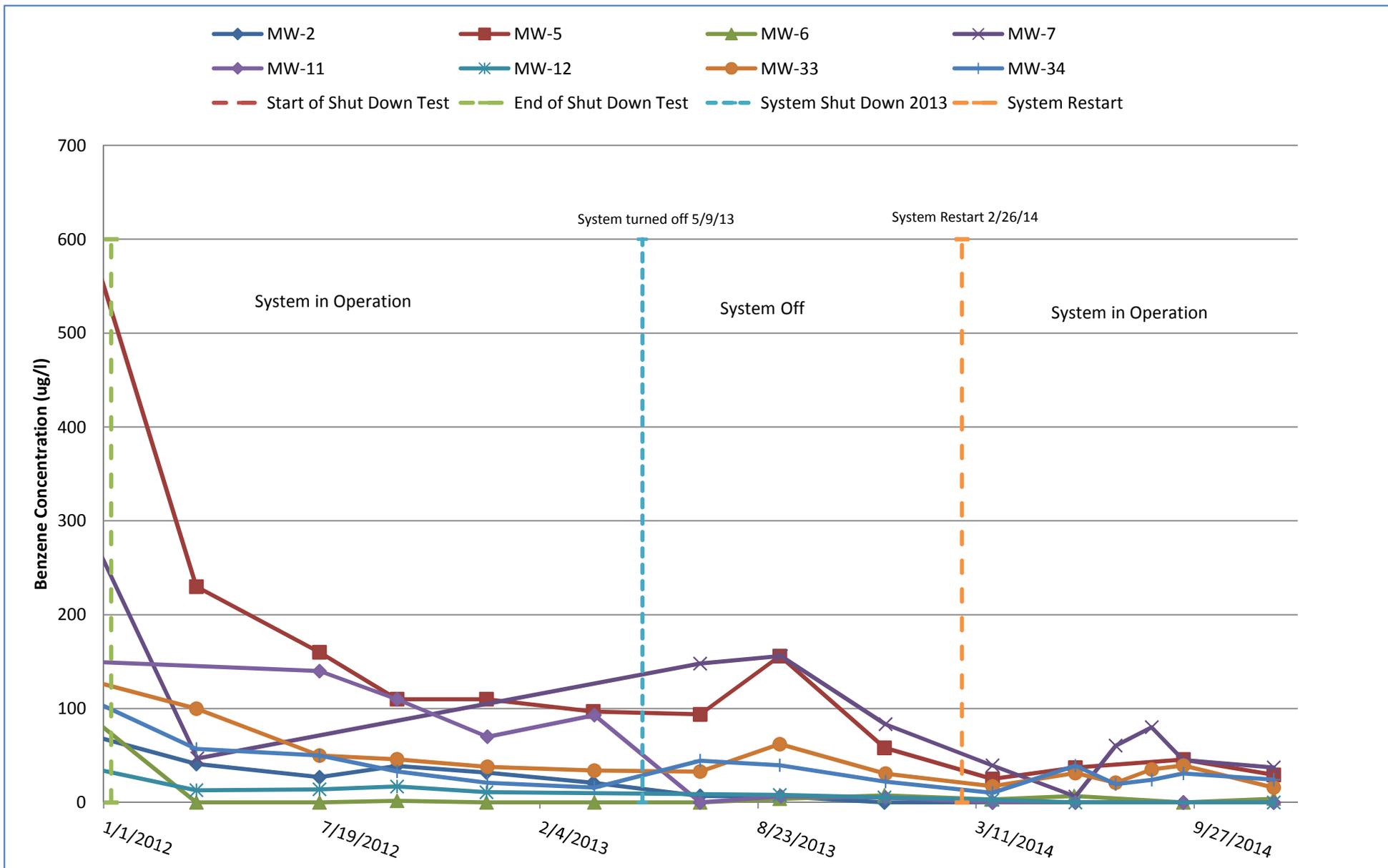


Chart 2
SVE Emissions Total Petroleum Hydrocarbon Vapor Concentration vs. Time
Logarithmic Scale to Show Low Concentrations
Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin

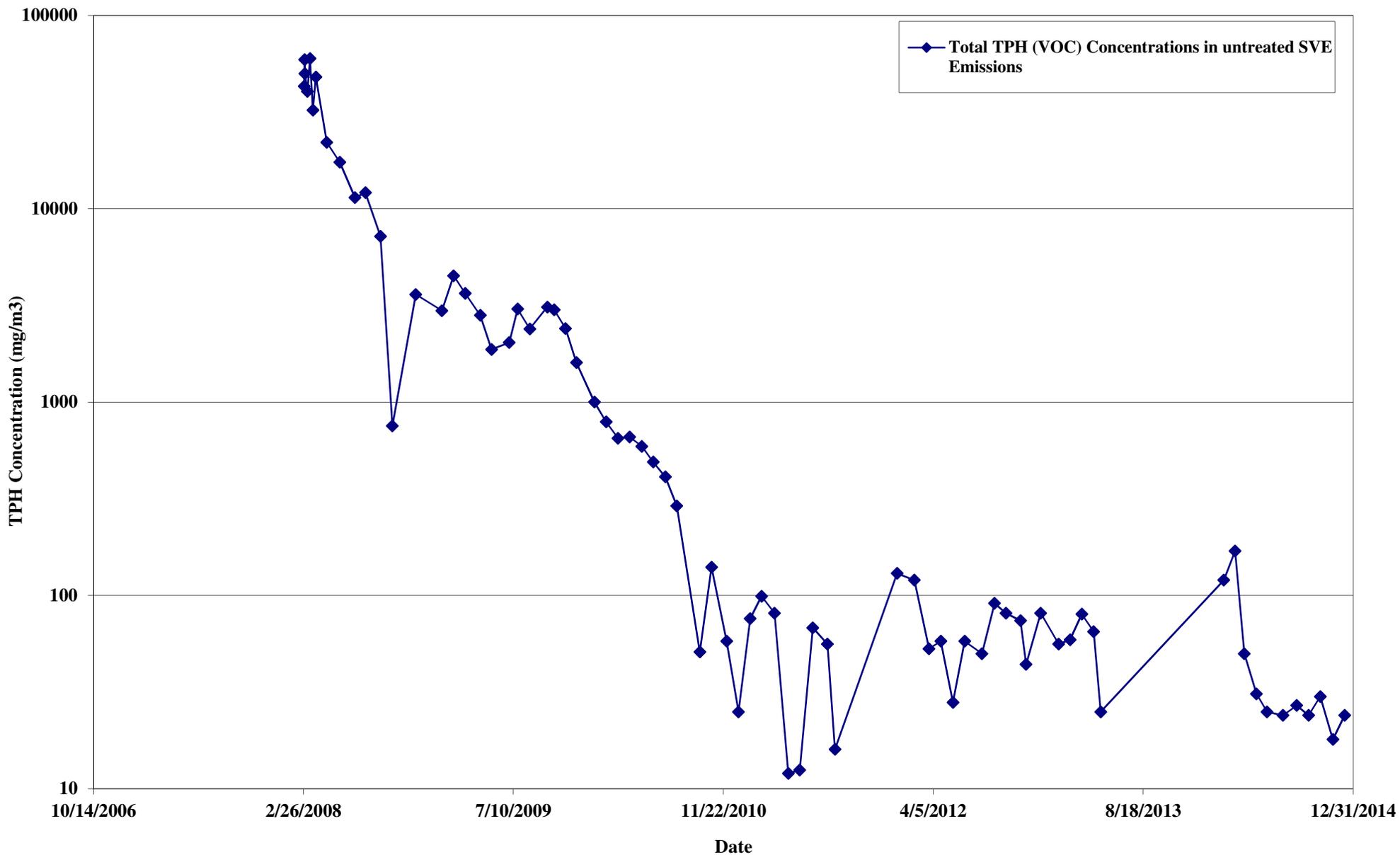


Chart 3
Cumulative Hydrocarbon Mass Removal by SVE/AS and Biodegradation
Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin

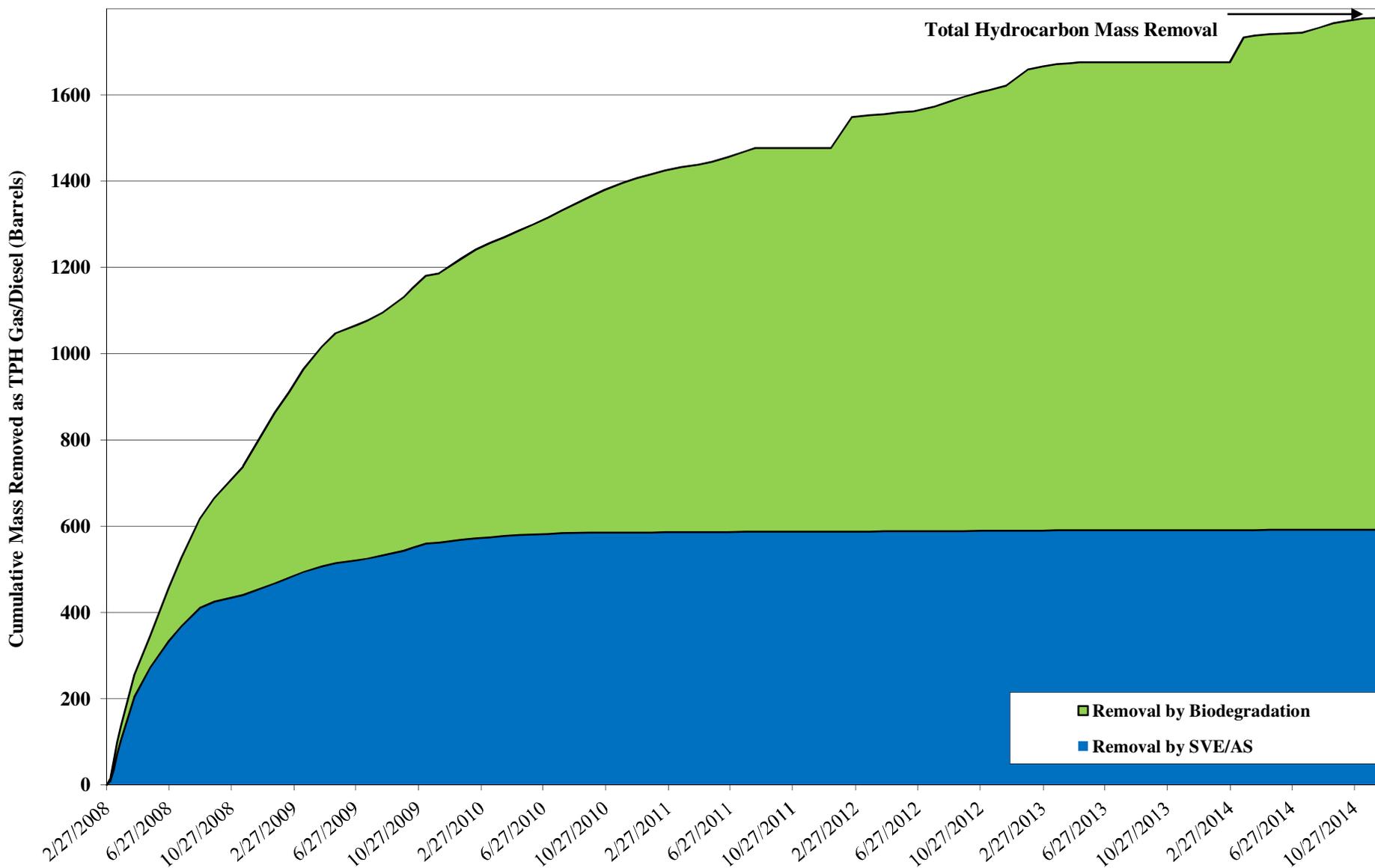
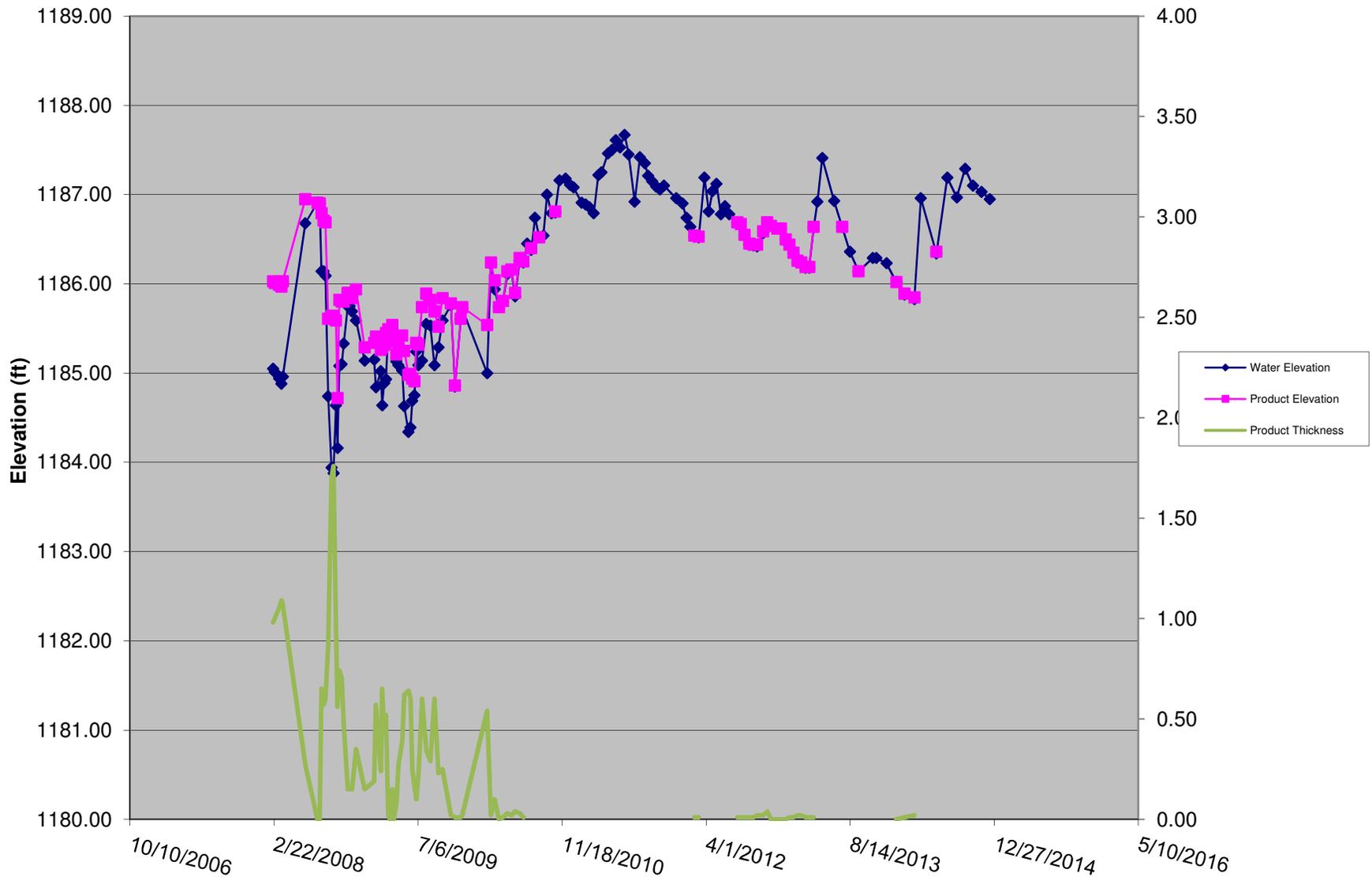


Chart 4
 Water and Product Level Hydrograph MW-7
 Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
 Rusk County, Wisconsin



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 | Sum of trimethyl-benzenes | Benzene | Ethyl benzene | Naphthalene | Toluene | Xylenes total |
|---|------------------|-----------------------|----------------------------|---------------------------|--------------|---------------|-------------|-------------|------------------|
| WI Public Health Groundwater Preventive Action Limit | Bold | -- | -- | 96 c | 0.5 | 140 | 8 | 200 | 1000 |
| WI Public Health Groundwater Enforcement Standards | Underline | -- | -- | 480 c | 5 | 700 | 40 | 1000 | 10000 (4) |
| MW-1 | 3/24/2007 | -- | <500 | ND | <u>11</u> | <1.0 | <5.0 | 10 | 2.1 |
| MW-1 | 5/31/2007 | -- | <460 | ND | 2.2 | <1.0 | -- | <1.0 | <3.0 |
| MW-1 | 8/9/2007 | -- | <460 | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-1 | 12/5/2007 | -- | -- | ND | <u>6.7</u> | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-1 | 3/25/2008 | -- | -- | ND | 2.2 | <1.0 | -- | <1.0 | <3.0 |
| MW-1 | 6/12/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-2 | 3/24/2007 | -- | 2900 | 108 | 2500 | 130 | 22 | 1800 | 710 |
| MW-2 | 5/31/2007 | -- | 3800 | 378 | 9400 | 370 | -- | 7100 | 2200 |
| MW-2 | 8/10/2007 | -- | 1100 | 198 | 2800 | 230 | -- | 980 | 1200 |
| MW-2 | 12/5/2007 | -- | -- | 77 | <u>2600</u> | 240 | <u>71</u> | 150 | 460 |
| MW-2 | 3/26/2008 | -- | -- | 36 | <u>1000</u> | 56 | -- | 130 | 130 |
| MW-2 | 6/12/2008 | -- | -- | 216 | 2300 | 140 | -- | 800 | 580 |
| MW-2 | 8/29/2008 | -- | -- | 99 | <u>800</u> | 120 | -- | 120 | 190 |
| MW-2 | 12/3/2008 | -- | -- | 72 | <u>680</u> | 120 | -- | 120 | 200 |
| MW-2 | 3/25/2009 | -- | -- | 17.5 | <u>110</u> | 31 | -- | 33 | 49 |
| MW-2 | 6/24/2009 | -- | -- | 93 | <u>120</u> | 110 | -- | 100 | 170 |
| MW-2 | 9/16/2009 | -- | -- | 34 | <u>140</u> | 40 | -- | 83 | 90 |
| MW-2 | 3/30/2010 | -- | -- | 9.2 | <u>19</u> | 7.8 | -- | 16 | 30 |
| MW-2 | 6/24/2010 | -- | -- | 46 | <u>32</u> | 100 | -- | 3.1 | 130 |
| MW-2 | 9/27/2010 | -- | -- | 19.3 | <u>16</u> | 28 | -- | <1.0 | 9.3 |
| MW-2 | 12/27/2010 | -- | -- | 25.1 | <u>24</u> | 25 | -- | <1.0 | 17 |
| MW-2 | 3/24/2011 | -- | -- | 15.1 | <u>14</u> | 7.8 | -- | <1.0 | <3.0 |
| MW-2 | 6/23/2011 | -- | -- | 153 | <u>61</u> | 130 | -- | <1.0 | 130 |
| MW-2 | 12/19/2011 | -- | -- | 79 | <u>72</u> | 86 | -- | <1.0 | 73 |
| MW-2 | 3/26/2012 | -- | -- | 37 | <u>41</u> | 49 | -- | <1.0 | 40 |
| MW-2 | 7/17/2012 | -- | -- | 99 | <u>27</u> | 110 | -- | <1.0 | 80 |
| MW-2 | 9/26/2012 | -- | -- | 84 | <u>39</u> | 85 | -- | <1.0 | 52 |
| MW-2 | 12/17/2012 | -- | -- | 42 | <u>32</u> | 57 | -- | <1.0 | 36 |
| MW-2 | 3/25/2013 | -- | -- | 31 | <u>21</u> | 42 | -- | <1.0 | 31 |
| MW-2 | 7/1/2013 | -- | -- | 301 | <u>7</u> | 184 | -- | <1.0 | 459 |
| MW-2 | 9/12/2013 | -- | -- | 106 | <u>6.4</u> | 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 | -- | -- | 25.4 | <5.0 | 45.5 | -- | <5.0 | 22.0 |
| MW-2 | 6/10/2014 | -- | -- | 320.6 | <10.0 | 421 | -- | 29.7 | 1970 |
| MW-2 | 9/17/2014 | -- | -- | 92.5 | <10.0 | 83.8 | -- | <10.0 | 176 |
| MW-2 | 12/9/2014 | -- | -- | 49.8 | <5.0 | 39.5 | -- | <5.0 | 41.6 |
| MW-3 | 3/22/2007 | -- | <500 | ND | <u>7.3</u> | <1.0 | <5.0 | 5.8 | ND |
| MW-3 | 5/31/2007 | -- | <500 | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-3 | 7/11/2007 | -- | <460 | ND | <u>17</u> | 1.3 | -- | 7.4 | <3.0 |
| MW-3 | 8/9/2007 | -- | <460 | ND | <u>23</u> | 1.3 | -- | 6.1 | <3.0 |
| MW-3 | 12/5/2007 | -- | -- | ND | 1.7 | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-3 | 3/25/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-3 | 6/10/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-3 | 8/28/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-3 | 3/29/2010 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-3 | 12/19/2011 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-3 | 12/18/2012 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-3 | 3/26/2013 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-3 | 7/1/2013 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-3 | 9/12/2013 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-3 | 12/17/2013 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-3 | 12/9/2014 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-4 | 3/24/2007 | -- | <500 | 4.2 | <u>110</u> | 9.2 | <5.0 | 110 | 41.8 |
| MW-4 | 5/30/2007 | -- | <460 | 8.2 | <u>180</u> | 9.7 | -- | 130 | 41 |
| MW-4 | 8/10/2007 | -- | <460 | ND | <u>7.9</u> | <1.0 | -- | 2.6 | <3.0 |
| MW-4 | 12/5/2007 | -- | -- | ND | 1.1 | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-4 | 3/24/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-4 | 6/10/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-4 | 8/28/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-4 | 3/29/2010 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-4 | 3/26/2013 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-4 | 7/1/2013 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-4 | 9/12/2013 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-4 | 12/17/2013 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-4 | 12/9/2014 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-5 | 3/22/2007 | -- | <500 | ND | <u>17</u> | <1.0 | <5.0 | 1.5 | 3.3 |
| MW-5 | 5/31/2007 | -- | 940 * | 215 | <u>8400</u> | 230 | -- | <u>4500</u> | 1500 |
| MW-5 | 7/11/2007 | -- | 1500 * | 210 | <u>9500</u> | 300 | -- | <u>5900</u> | 1800 |
| MW-5 | 8/10/2007 | -- | 1900 | 459 | <u>12000</u> | 310 | -- | <u>5600</u> | 1800 |
| MW-5 | 12/6/2007 | -- | -- | 349 | <u>9300</u> | 390 | <250 | <50 | 1900 |
| MW-5 | 3/26/2008 | -- | -- | 365 | <u>9200</u> | 450 | -- | <50 | 930 |

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 | Sum of trimethyl-benzenes | Benzene | Ethyl benzene | Naphthalene | Toluene | Xylenes total |
|--|------------------|-----------------------|----------------------------|---------------------------|-------------|---------------|-------------|-------------|---------------|
| WI Public Health Groundwater Preventive Action Limit | Bold | -- | -- | 96 c | 0.5 | 140 | 8 | 200 | 1000 |
| WI Public Health Groundwater Enforcement Standards | <u>Underline</u> | -- | -- | 480 c | 5 | 700 | 40 | 1000 | 10000 (4) |
| MW-5 | 6/12/2008 | -- | -- | 79 | <u>3900</u> | 110 | -- | 100 | 240 |
| MW-5 | 8/29/2008 | -- | -- | 140 | <u>4400</u> | 97 | -- | <50 | 370 |
| MW-5 | 12/4/2008 | -- | -- | 296 | <u>4900</u> | 79 | -- | <50 | 450 |
| MW-5 | 3/25/2009 | -- | -- | 124 | <u>2800</u> | 89 | -- | <20 | 230 |
| MW-5 | 6/25/2009 | -- | -- | 240 | <u>3200</u> | 270 | -- | 390 | 590 |
| MW-5 | 9/16/2009 | -- | -- | 191 | <u>2600</u> | 240 | -- | 56 | 290 |
| MW-5 | 12/8/2009 | -- | -- | 82 | <u>1500</u> | 130 | -- | <20 | 130 |
| MW-5 | 3/30/2010 | -- | -- | 16.6 | <u>520</u> | 55 | -- | <1.0 | 12 |
| MW-5 | 6/24/2010 | -- | -- | 133 | <u>1100</u> | 250 | -- | 15 | 280 |
| MW-5 | 9/27/2010 | -- | -- | 44 | <u>470</u> | 110 | -- | 5.7 | 46 |
| MW-5 | 12/27/2010 | -- | -- | 45.7 | <u>510</u> | 110 | -- | 8 | 28 |
| MW-5 | 3/24/2011 | -- | -- | 50.2 | <u>380</u> | 110 | -- | 6.2 | 15 |
| MW-5 | 6/23/2011 | -- | -- | 41 | <u>410</u> | 93 | -- | 2.7 | 57 |
| MW-5 | 11/7/2011 | -- | -- | 138 | <u>630</u> | 210 | -- | 9.6 | 260 |
| MW-5 | 12/19/2011 | -- | -- | 213 | <u>600</u> | 250 | -- | <5 | 200 |
| MW-5 | 3/26/2012 | -- | -- | 60.3 | <u>230</u> | 170 | -- | <1.0 | 16 |
| MW-5 | 7/17/2012 | -- | -- | 68 | <u>160</u> | 170 | -- | 1.6 | 57 |
| MW-5 | 9/26/2012 | -- | -- | 42.7 | <u>110</u> | 110 | -- | <1.0 | 20 |
| MW-5 | 12/17/2012 | -- | -- | 43.9 | <u>110</u> | 120 | -- | <1.0 | 8.6 |
| MW-5 | 3/25/2013 | -- | -- | 47.9 | <u>97</u> | 120 | -- | <1.0 | 21 |
| MW-5 | 7/1/2013 | -- | -- | 76 | <u>93.9</u> | 148 | -- | <1.0 | 241 |
| MW-5 | 9/12/2013 | -- | -- | 228.9 | <u>156</u> | 260 | -- | 2.3 | 613 |
| MW-5 | 12/17/2013 | -- | -- | 121.9 | <u>58.3</u> | 179 | -- | <20 | 123 |
| MW-5 | 3/26/2014 | -- | -- | 103.2 | <u>25.0</u> | 136 | -- | <20.0 | 110 |
| MW-5 | 6/10/2014 | -- | -- | 90 | <u>37.2</u> | 144 | -- | <1.0 | 167 |
| MW-5 | 9/17/2014 | -- | -- | 276.4 | <u>45.8</u> | 322 | -- | <5.0 | 789 |
| MW-5 | 12/9/2014 | -- | -- | 166.1 | <u>29.4</u> | 251 | -- | <20.0 | 498 |
| MW-6 | 5/29/2007 | -- | <500 | ND | <1.0 | <1.0 | <5.0 | <1.0 | ND |
| MW-6 | 7/11/2007 | -- | <520 | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-6 | 8/9/2007 | -- | <460 | 4.2 | <u>170</u> | 5.2 | -- | 84 | 30 |
| MW-6 | 9/13/2007 | -- | <460 | 32 | <u>1300</u> | 37 | -- | 31 | 210 |
| MW-6 | 10/17/2007 | -- | <460 | 76 | <u>3000</u> | 85 | -- | <10 | 480 |
| MW-6 | 12/5/2007 | -- | -- | 55 | <u>2800</u> | 94 | <50 | <10 | 370 |
| MW-6 | 1/15/2008 | -- | -- | 56 | <u>6000</u> | 170 | <50 | <10 | 500 |
| MW-6 | 2/20/2008 | -- | -- | ND | <u>7300</u> | 240 | <u>66</u> | <50 | 480 |
| MW-6 | 3/26/2008 | -- | -- | ND | <u>7800</u> | 200 | -- | <50 | 490 |
| MW-6 | 6/12/2008 | -- | -- | ND | <u>6200</u> | 81 | -- | <50 | 200 |
| MW-6 | 8/29/2008 | -- | -- | ND | <u>5300</u> | <50 | -- | <50 | <150 |
| MW-6 | 12/4/2008 | -- | -- | ND | <u>4600</u> | <50 | -- | <50 | <150 |
| MW-6 | 3/25/2009 | -- | -- | ND | <u>1800</u> | <10 | -- | <10 | <30 |
| MW-6 | 6/25/2009 | -- | -- | ND | <u>1600</u> | 11 | -- | <10 | <30 |
| MW-6 | 9/16/2009 | -- | -- | ND | <u>730</u> | 7.5 | -- | <5.0 | <15 |
| MW-6 | 12/7/2009 | -- | -- | ND | <u>310</u> | 2.2 | -- | <2.0 | <6 |
| MW-6 | 3/30/2010 | -- | -- | 1.4 | <u>34</u> | <1.0 | -- | <1.0 | <3.0 |
| MW-6 | 6/24/2010 | -- | -- | 1.1 | <u>13</u> | <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 | <u>1.7</u> | 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 | <u>55</u> | <1.0 | -- | <1.0 | <3.0 |
| MW-6 | 9/1/2011 | -- | -- | <1.0 | <u>110</u> | <1.0 | -- | <1.0 | <3.0 |
| MW-6 | 9/13/2011 | -- | -- | <1.0 | <u>130</u> | <1.0 | -- | <1.0 | <3.0 |
| MW-6 | 9/27/2011 | -- | -- | 1.4 | <u>120</u> | <1.0 | -- | <1.0 | <3.0 |
| MW-6 | 10/11/2011 | -- | -- | <1.0 | <u>92</u> | <1.0 | -- | <1.0 | <3.0 |
| MW-6 | 12/19/2011 | -- | -- | <1.0 | <u>92</u> | <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 | <u>1.7</u> | <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 | <u>3.8</u> | <1.0 | -- | <1.0 | <3.0 |
| MW-6 | 12/17/2013 | -- | -- | <1.0 | <u>7.6</u> | <1.0 | -- | <1.0 | <3.0 |
| MW-6 | 3/25/2014 | -- | -- | ND | <u>3.2</u> | <1.0 | -- | <1.0 | <3.0 |
| MW-6 | 6/9/2014 | -- | -- | ND | <u>6.9</u> | <1.0 | -- | <1.0 | <3.0 |
| MW-6 | 9/17/2014 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-6 | 12/9/2014 | -- | -- | 3.3 | <u>4.0</u> | 1.4 | -- | <1.0 | 6.4 |
| MW-7 | 5/31/2007 | -- | 750 | 85 | <u>4700</u> | 130 | <u>19</u> | <u>2900</u> | 750 |
| MW-7 | 7/11/2007 | -- | 850 | 141 | <u>4600</u> | 180 | -- | <u>3100</u> | 1000 |
| MW-7 | 8/10/2007 | -- | 1100 | 123 | <u>3500</u> | 140 | -- | <u>1800</u> | 750 |
| MW-7 | 12/5/2007 | -- | -- | 51 | <u>3800</u> | 200 | <100 | 88 | 570 |
| MW-7 | 6/23/2011 | -- | -- | <u>870</u> | <u>410</u> | 230 | -- | 160 | 790 |
| MW-7 | 8/15/2011 | -- | -- | 124 | <u>290</u> | 280 | -- | 28 | 270 |

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 | Sum of trimethyl-benzenes | Benzene | Ethyl benzene | Naphthalene | Toluene | Xylenes total |
|---|------------------|-----------------------|----------------------------|---------------------------|------------|---------------|-------------|-------------|------------------|
| WI Public Health Groundwater Preventive Action Limit | Bold | -- | -- | 96 c | 0.5 | 140 | 8 | 200 | 1000 |
| WI Public Health Groundwater Enforcement Standards | Underline | -- | -- | 480 c | 5 | 700 | 40 | 1000 | 10000 (4) |
| MW-7 | 9/1/2011 | -- | -- | 191 | 350 | 110 | -- | 30 | 330 |
| MW-7 | 9/13/2011 | -- | -- | 214 | 410 | 120 | -- | 35 | 380 |
| MW-7 | 9/27/2011 | -- | -- | 214 | 420 | 120 | -- | 25 | 370 |
| MW-7 | 10/11/2011 | -- | -- | 249 | 550 | 160 | -- | 19 | 470 |
| MW-7 | 12/19/2011 | -- | -- | 177 | 290 | 100 | -- | <5 | 260 |
| MW-7 | 3/27/2012 | -- | -- | 182 | 47 | 44 | -- | 5.3 | 110 |
| MW-7 | 7/1/2013 | -- | -- | 173.9 | 148 | 89.4 | -- | 67.4 | 587 |
| MW-7 | 9/13/2013 | -- | -- | 146.1 | 156 | 81.2 | -- | 9.4 | 442 |
| MW-7 | 12/18/2013 | -- | -- | 145.9 | 83.4 | 61.9 | -- | <1.0 | 238 |
| MW-7 | 3/26/2014 | -- | -- | 82.2 | 39.5 | 22.0 | -- | <2.0 | 61.5 |
| MW-7 | 6/10/2014 | -- | -- | 56.2 | 6.4 | 5.5 | -- | <2.0 | 41.9 |
| MW-7 | 7/17/2014 | -- | -- | 111.2 | 60.6 | 59.1 | -- | 13.8 | 399 |
| MW-7 | 8/19/2014 | -- | -- | 137.6 | 80.2 | 78.1 | -- | 28.1 | 513 |
| MW-7 | 9/17/2014 | -- | -- | 83.1 | 45.2 | 59.8 | -- | 2.3 | 303 |
| MW-7 | 12/9/2014 | -- | -- | 85.4 | 37.3 | 70.0 | -- | <2.0 | 238 |
| MW-7D | 8/9/2007 | -- | <460 | ND | <1.0 | <1.0 | <5.0 | <1.0 | ND |
| MW-7D | 12/4/2007 | -- | -- | ND | <1.0 | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-7D | 3/24/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-7D | 6/11/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-7D | 8/28/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-7D | 3/29/2010 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-7D | 12/19/2011 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-7D | 3/26/2014 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-7D | 6/10/2014 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-8 | 5/30/2007 | -- | <500 | ND | <1.0 | <1.0 | <5.0 | <1.0 | ND |
| MW-8 | 8/9/2007 | -- | <500 | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-8 | 12/4/2007 | -- | -- | ND | <1.0 | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-8 | 3/25/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-8 | 12/3/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-8 | 3/29/2010 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-8 | 7/1/2013 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-8 | 9/12/2013 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-8 | 12/17/2013 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-8 | 3/26/2014 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-8 | 6/10/2014 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-8 | 9/17/2014 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-8 | 12/9/2014 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-9 | 5/30/2007 | -- | <460 | ND | <1.0 | <1.0 | <5.0 | <1.0 | ND |
| MW-9 | 8/9/2007 | -- | <460 | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-9 | 12/4/2007 | -- | -- | ND | <1.0 | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-9 | 3/24/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-9 | 6/10/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-9 | 8/28/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-9 | 12/3/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-9 | 3/29/2010 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-9 | 7/1/2013 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-9 | 9/12/2013 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-9 | 12/17/2013 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-9 | 12/9/2014 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-10 | 8/10/2007 | -- | <460 | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-10 | 12/4/2007 | -- | -- | ND | <1.0 | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-10 | 3/24/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-10 | 6/10/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-11 | 8/10/2007 | -- | 1700 | 269 | 6400 | 320 | -- | 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 | -- | -- | 382 | 330 | 300 | -- | 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 |

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 | Sum of trimethyl-benzenes | Benzene | Ethyl benzene | Naphthalene | Toluene | Xylenes total |
|--|------------------|-----------------------|----------------------------|---------------------------|-------------|---------------|-------------|-------------|------------------|
| WI Public Health Groundwater Preventive Action Limit | Bold | -- | -- | 96 c | 0.5 | 140 | 8 | 200 | 1000 |
| WI Public Health Groundwater Enforcement Standards | <u>Underline</u> | -- | -- | <u>480 c</u> | <u>5</u> | <u>700</u> | <u>40</u> | <u>1000</u> | <u>10000 (4)</u> |
| MW-11 | 9/13/2013 | -- | -- | 241.5 | <u>6.6</u> | 153 | -- | <4 | 752 |
| MW-11 | 12/18/2013 | -- | -- | 321.9 | <u>5.1</u> | 171 | -- | 5.5 | 1100 |
| MW-11 | 3/26/2014 | -- | -- | 238.6 | <4.0 | 138 | -- | 7.3 | 857 |
| MW-11 | 6/10/2014 | -- | -- | 255.8 | <10.0 | 358 | -- | <10.0 | 2040 |
| MW-11 | 9/17/2014 | -- | -- | 289 | <10.0 | 314 | -- | <10.0 | 1940 |
| MW-11 | 12/9/2014 | -- | -- | 274.7 | <4.0 | 273 | -- | <4.0 | 1520 |
| MW-12 | 8/10/2007 | -- | 530 | 120 | <u>3600</u> | 130 | 22 | <u>1600</u> | 1390 |
| MW-12 | 9/13/2007 | -- | <460 | 161 | <u>3700</u> | 200 | -- | 300 | 970 |
| MW-12 | 10/17/2007 | -- | 480 | 194 | <u>4400</u> | 230 | -- | 500 | 1200 |
| MW-12 | 12/6/2007 | -- | -- | 101 | <u>2400</u> | 150 | <100 | 230 | 610 |
| MW-12 | 3/26/2008 | -- | -- | 23 | <u>1400</u> | 68 | -- | 170 | 170 |
| MW-12 | 6/12/2008 | -- | -- | 13.7 | <u>230</u> | 14 | -- | 87 | 48 |
| MW-12 | 8/29/2008 | -- | -- | 195 | <u>2200</u> | 150 | -- | 710 | 480 |
| MW-12 | 12/4/2008 | -- | -- | 289 | <u>2300</u> | 220 | -- | 850 | 730 |
| MW-12 | 12/7/2009 | -- | -- | 165 | <u>310</u> | 83 | -- | 250 | 450 |
| MW-12 | 3/30/2010 | -- | -- | 19.1 | <u>19</u> | 7.3 | -- | 3.3 | 38 |
| MW-12 | 6/24/2010 | -- | -- | 9.9 | <u>3.8</u> | 2.0 | -- | <1.0 | 19 |
| MW-12 | 9/27/2010 | -- | -- | 74 | <u>18</u> | 12 | -- | 2.8 | 120 |
| MW-12 | 12/27/2010 | -- | -- | 81 | <u>19</u> | 13 | -- | <1.0 | 91 |
| MW-12 | 3/24/2011 | -- | -- | 28.3 | <u>4.8</u> | 3.9 | -- | <1.0 | 27 |
| MW-12 | 6/23/2011 | -- | -- | 17.3 | <u>6.2</u> | 2.0 | -- | <1.0 | 20 |
| MW-12 | 8/15/2011 | -- | -- | 50 | <u>30</u> | 6.9 | -- | <1.0 | 46 |
| MW-12 | 9/1/2011 | -- | -- | 69 | <u>39</u> | 8.3 | -- | <1.0 | 62 |
| MW-12 | 9/13/2011 | -- | -- | 111 | <u>54</u> | 13.0 | -- | <1.0 | 88 |
| MW-12 | 9/27/2011 | -- | -- | 125 | <u>55</u> | 14.0 | -- | <1.0 | 93 |
| MW-12 | 10/11/2011 | -- | -- | 97 | <u>48</u> | 12.0 | -- | <1.0 | 77 |
| MW-12 | 12/19/2011 | -- | -- | 85 | <u>37</u> | 11.0 | -- | <1.0 | 56 |
| MW-12 | 3/26/2012 | -- | -- | 39 | <u>13</u> | 6.1 | -- | <1.0 | 26 |
| MW-12 | 7/17/2012 | -- | -- | 52 | <u>14</u> | 8.8 | -- | <1.0 | 30 |
| MW-12 | 9/26/2012 | -- | -- | 100 | <u>17</u> | 13.0 | -- | <1.0 | 53 |
| MW-12 | 12/17/2012 | -- | -- | 67 | <u>11</u> | 8.9 | -- | <1.0 | 35 |
| MW-12 | 9/12/2013 | -- | -- | 55.7 | <u>8</u> | 6.3 | -- | <1.0 | 20.9 |
| MW-12 | 12/17/2013 | -- | -- | 20 | <u>5.4</u> | 2.7 | -- | <1.0 | 6.5 |
| MW-12 | 3/26/2014 | -- | -- | 16.9 | <u>3.0</u> | 2.2 | -- | <1.0 | 6.2 |
| MW-12 | 6/10/2014 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-12 | 12/9/2014 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-13 | 8/9/2007 | -- | <460 | ND | <1.0 | <1.0 | <5.0 | <1.0 | ND |
| MW-13 | 9/13/2007 | -- | <460 | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-13 | 10/17/2007 | -- | <460 | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-13 | 12/4/2007 | -- | -- | ND | <1.0 | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-13 | 1/15/2008 | -- | -- | ND | 1.3 | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-13 | 2/20/2008 | -- | -- | ND | <1.0 | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-13 | 3/25/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-13 | 12/3/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-13 | 3/29/2010 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-13 | 12/19/2011 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-13 | 3/26/2013 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-13 | 7/1/2013 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-13 | 9/12/2013 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-13 | 12/17/2013 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-13 | 12/9/2014 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-14 | 8/9/2007 | -- | <460 | ND | <1.0 | <1.0 | <5.0 | <1.0 | ND |
| MW-14 | 9/13/2007 | -- | <460 | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-14 | 10/17/2007 | -- | <460 | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-14 | 12/4/2007 | -- | -- | ND | <1.0 | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-14 | 1/15/2008 | -- | -- | ND | <1.0 | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-14 | 2/20/2008 | -- | -- | ND | 2 | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-14 | 3/25/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-14 | 6/10/2008 | -- | -- | ND | <u>95</u> | 4.5 | -- | <1.0 | 18 |
| MW-14 | 7/24/2008 | -- | -- | ND | <u>150</u> | 7.4 | -- | <1.0 | 41 |
| MW-14 | 8/28/2008 | -- | -- | 1.3 | <u>120</u> | 4.6 | -- | <1.0 | 32 |
| MW-14 | 12/3/2008 | -- | -- | ND | <u>42</u> | <1.0 | -- | <1.0 | <3.0 |
| MW-14 | 3/25/2009 | -- | -- | 1.1 | <u>4.8</u> | <1.0 | -- | <1.0 | <3.0 |
| MW-14 | 6/24/2009 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-14 | 9/16/2009 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-14 | 9/27/2010 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-14 | 12/27/2010 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-14 | 3/24/2011 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-14 | 6/23/2011 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-14 | 12/19/2011 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-14 | 3/26/2012 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-14 | 7/17/2012 | -- | -- | 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 | Sum of trimethyl-benzenes | Benzene | Ethyl benzene | Naphthalene | Toluene | Xylenes total |
|--|------------------|-----------------------|----------------------------|---------------------------|---------------|---------------|-------------|-------------|------------------|
| WI Public Health Groundwater Preventive Action Limit | Bold | -- | -- | 96 c | 0.5 | 140 | 8 | 200 | 1000 |
| WI Public Health Groundwater Enforcement Standards | <u>Underline</u> | -- | -- | <u>480 c</u> | <u>5</u> | <u>700</u> | <u>40</u> | <u>1000</u> | <u>10000 (4)</u> |
| MW-14 | 9/26/2012 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-14 | 12/17/2012 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-14 | 3/26/2013 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-14 | 7/1/2013 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-14 | 9/12/2013 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-14 | 12/17/2013 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-14 | 3/26/2014 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-14 | 6/10/2014 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-14 | 9/17/2014 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-14 | 12/9/2014 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-15 | 10/18/2007 | -- | <460 | ND | <1.0 | <1.0 | <5.0 | <1.0 | ND |
| MW-15 | 12/4/2007 | -- | -- | ND | <1.0 | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-15 | 1/15/2008 | -- | -- | ND | 330 | <1.0 | <5.0 | <1.0 | 7.5 |
| MW-15 | 2/20/2008 | -- | -- | ND | 1600 | <1.0 | 6.1 | <1.0 | <3.0 |
| MW-15 | 3/12/2008 | -- | <460 | ND | 1800 | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-15 | 3/20/2008 | -- | <460 | 11 | 2200 | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-15 | 3/26/2008 | -- | -- | ND | 2500 | 12 | -- | <1.0 | <3.0 |
| MW-15 | 5/4/2008 | -- | -- | ND | 140 | <1.0 | -- | <1.0 | <3.0 |
| MW-15 | 6/12/2008 | -- | -- | ND | 140 | <1.0 | -- | <1.0 | <3.0 |
| MW-15 | 8/29/2008 | -- | -- | 3.0 | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-15 | 12/3/2008 | -- | -- | 1.5 | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-15 | 3/24/2009 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-15 | 5/19/2009 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-15 | 6/24/2009 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-15 | 9/16/2009 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-15 | 12/7/2009 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-15 | 3/29/2010 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-15 | 6/24/2010 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-15 | 9/27/2010 | -- | -- | ND | 2.5 | <1.0 | -- | <1.0 | <3.0 |
| MW-15 | 12/27/2010 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-15 | 3/24/2011 | -- | -- | ND | 1.9 | <1.0 | -- | <1.0 | <3.0 |
| MW-15 | 6/23/2011 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-15 | 8/15/2011 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-15 | 9/1/2011 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-15 | 9/13/2011 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-15 | 9/27/2011 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-15 | 10/11/2011 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-15 | 11/7/2011 | -- | -- | ND | 1.2 | <1.0 | -- | <1.0 | <3.0 |
| MW-15 | 12/19/2011 | -- | -- | ND | 2.2 | <1.0 | -- | <1.0 | <3.0 |
| MW-15 | 3/26/2012 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-15 | 7/17/2012 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-15 | 9/26/2012 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-15 | 12/17/2012 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-15 | 3/25/2013 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-15 | 7/1/2013 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-15 | 9/12/2013 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-15 | 12/17/2013 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-15 | 3/26/2014 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-15 | 6/9/2014 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-15 | 9/17/2014 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-15 | 12/8/2014 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-15D | 3/25/2008 | -- | <460 | ND | <1.0 | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-15D | 6/11/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-15D | 8/28/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-15D | 3/29/2010 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-15D | 12/19/2011 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-15D | 12/17/2013 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-15D | 12/8/2014 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-16 | 10/18/2007 | -- | 490 | 75 | 3100 | 76 | 11 | 19 * | 580 |
| MW-16 | 12/6/2007 | -- | -- | 44 | 2700 | 95 | <100 | <20 | 460 |
| MW-16 | 1/15/2008 | -- | -- | 43 | 4200 | 160 | <50 | <10 | 350 |
| MW-16 | 2/20/2008 | -- | -- | 16.1 | 4900 | 180 | 34 | 5.4 | 450 |
| MW-16 | 3/12/2008 | -- | <500 | 35 | 4300 | 70 | <100 | <20 | 390 |
| MW-16 | 3/20/2008 | -- | <460 | ND | 4300 | 53 | <120 | <25 | 390 |
| MW-16 | 3/26/2008 | -- | -- | ND | 3600 | 30 | -- | <20 | 300 |
| MW-16 | 5/4/2008 | -- | -- | ND | 2700 | <5.0 | -- | <5.0 | 250 |
| MW-16 | 6/12/2008 | -- | -- | 2.1 | 1100 | 2.3 | -- | 3.4 | 61 |
| MW-16 | 8/29/2008 | -- | -- | ND | 2000 | 14 | -- | 11 | 47 |
| MW-16 | 12/4/2008 | -- | -- | ND | 2400 * | <20 | -- | <20 | <60 |
| MW-16 | 3/25/2009 | -- | -- | 1.8 | 200 | <1.0 | -- | <1.0 | <3.0 |
| MW-16 | 6/24/2009 | -- | -- | 2.4 | 43 | <1.0 | -- | <1.0 | <3.0 |
| MW-16 | 9/16/2009 | -- | -- | 1.2 | 32 | 2.7 | -- | <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 | Sum of trimethyl-benzenes | Benzene | Ethyl benzene | Naphthalene | Toluene | Xylenes total |
|--|------------------|-----------------------|----------------------------|---------------------------|---------|---------------|-------------|---------|---------------|
| WI Public Health Groundwater Preventive Action Limit | Bold | -- | -- | 96 c | 0.5 | 140 | 8 | 200 | 1000 |
| WI Public Health Groundwater Enforcement Standards | <u>Underline</u> | -- | -- | 480 c | 5 | 700 | 40 | 1000 | 10000 (4) |
| MW-16 | 12/7/2009 | -- | -- | ND | 3.1 | <1.0 | -- | <1.0 | <3.0 |
| MW-16 | 3/30/2010 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-16 | 6/24/2010 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-16 | 9/27/2010 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-16 | 12/27/2010 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-16 | 3/24/2011 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-16 | 6/23/2011 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-16 | 8/15/2011 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-16 | 9/13/2011 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-16 | 10/11/2011 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-16 | 12/19/2011 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-16 | 3/26/2012 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-16 | 7/17/2012 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-16 | 9/26/2012 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-16 | 12/17/2012 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-16 | 3/25/2013 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-16 | 7/1/2013 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-16 | 9/12/2013 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-16 | 12/17/2013 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-16 | 3/25/2014 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-16 | 6/9/2014 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-16 | 9/17/2014 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-16 | 12/9/2014 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-17 | 10/18/2007 | -- | <460 | ND | <1.0 | <1.0 | <5.0 | <1.0 | ND |
| MW-17 | 12/4/2007 | -- | -- | ND | 27 | 1.1 | <5.0 | <1.0 | 4.9 |
| MW-17 | 1/15/2008 | -- | -- | 5 | 200 | 5.4 | <5.0 | <1.0 | 33 |
| MW-17 | 2/20/2008 | -- | -- | 4.5 | 760 | 14 | <5.0 | <1.0 | 48 |
| MW-17 | 3/11/2008 | -- | <460 | 1.7 | 730 | 21 | <5.0 | <1.0 | 50 |
| MW-17 | 3/20/2008 | -- | <460 | ND | 420 | 13 | <25 | <5.0 | 30 |
| MW-17 | 3/26/2008 | -- | -- | ND | 29 | 1.1 | -- | <1.0 | <3.0 |
| MW-17 | 4/9/2008 | -- | -- | ND | 950 | 2.1 | -- | <1.0 | 42 |
| MW-17 | 4/24/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-17 | 5/4/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-17 | 6/12/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-17 | 8/29/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-17 | 12/3/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-17 | 3/24/2009 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-17 | 5/19/2009 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-17 | 6/24/2009 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-17 | 9/16/2009 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-17 | 12/7/2009 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-17 | 3/30/2010 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-17 | 6/24/2010 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-17 | 9/27/2010 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-17 | 12/27/2010 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-17 | 8/15/2011 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-17 | 9/27/2011 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-17 | 10/11/2011 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-17 | 12/19/2011 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-17 | 3/25/2013 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-17 | 7/1/2013 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-17 | 9/12/2013 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-17 | 12/17/2013 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-17 | 12/8/2014 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-18 | 11/1/2007 | -- | <460 | ND | <1.0 h | <1.0 h | -- | <1.0 h | <3.0 h |
| MW-18 | 12/5/2007 | -- | -- | ND | <1.0 | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-18 | 3/24/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-18 | 12/3/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-18 | 3/24/2009 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-18 | 6/24/2009 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-18 | 9/16/2009 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-19 | 2/26/2008 | -- | -- | ND | <1.0 | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-19 | 3/11/2008 | -- | <460 | ND | <1.0 | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-19 | 3/20/2008 | -- | <460 | ND | <1.0 | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-19 | 3/24/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-19 | 4/9/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-19 | 4/24/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-19 | 5/3/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-19 | 6/11/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-19 | 8/28/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-20 | 2/29/2008 | -- | -- | 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 | Sum of trimethyl-benzenes | Benzene | Ethyl benzene | Naphthalene | Toluene | Xylenes total |
|--|------------------|-----------------------|----------------------------|---------------------------|------------|---------------|-------------|-------------|------------------|
| WI Public Health Groundwater Preventive Action Limit | Bold | -- | -- | 96 c | 0.5 | 140 | 8 | 200 | 1000 |
| WI Public Health Groundwater Enforcement Standards | <u>Underline</u> | -- | -- | <u>480 c</u> | <u>5</u> | <u>700</u> | <u>40</u> | <u>1000</u> | <u>10000 (4)</u> |
| MW-20 | 3/11/2008 | -- | <460 | ND | <1.0 | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-20 | 3/20/2008 | -- | <460 | ND | <1.0 | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-20 | 3/24/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-21 | 2/27/2008 | -- | -- | ND | 1.7 | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-21 | 3/12/2008 | -- | <460 | ND | 10 | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-21 | 3/20/2008 | -- | <460 | ND | 8.2 | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-21 | 3/26/2008 | -- | -- | ND | 8 | <1.0 | -- | <1.0 | <3.0 |
| MW-21 | 6/12/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-21 | 8/29/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-21 | 12/3/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-21 | 8/15/2011 | -- | -- | ND | 4.3 | <1.0 | -- | <1.0 | <3.0 |
| MW-21 | 9/13/2011 | -- | -- | ND | 1.2 | <1.0 | -- | <1.0 | <3.0 |
| MW-21 | 9/27/2011 | -- | -- | 1.2 | 4 | <1.0 | -- | <1.0 | <3.0 |
| MW-21 | 10/11/2011 | -- | -- | ND | 4 | <1.0 | -- | <1.0 | <3.0 |
| MW-21 | 11/7/2011 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-21 | 12/19/2011 | -- | -- | 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 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-21 | 6/9/2014 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-21 | 9/17/2014 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-21 | 12/8/2014 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-22 | 2/28/2008 | -- | -- | ND | <1.0 | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-22 | 3/11/2008 | -- | <460 | ND | <1.0 | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-22 | 3/20/2008 | -- | <460 | ND | <1.0 | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-22 | 3/24/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-23 | 3/25/2008 | -- | <460 | ND | <1.0 | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-23 | 4/8/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-23 | 4/23/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-23 | 5/3/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-23 | 6/11/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-23 | 8/28/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-24 | 2/26/2008 | -- | -- | ND | <1.0 | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-24 | 3/11/2008 | -- | <460 | ND | <1.0 | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-24 | 3/19/2008 | -- | <460 | ND | <1.0 | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-24 | 3/24/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-24 | 4/8/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-24 | 4/23/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-24 | 5/3/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-24 | 6/11/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-24 | 8/28/2008 | -- | -- | ND | <1.0 | <1.0 | -- | 1.1 | <3.0 |
| MW-24 | 12/3/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-24D | 3/19/2008 | -- | <460 | ND | <1.0 | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-24D | 3/24/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-24D | 6/11/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-24D | 8/28/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-25 | 2/26/2008 | -- | -- | ND | 41 | 1.2 | <5.0 | <1.0 | 5.2 |
| MW-25 | 3/12/2008 | -- | <500 | 1.3 | 140 | 2.9 | <5.0 | <1.0 | 17 |
| MW-25 | 3/20/2008 | -- | <460 | 1.5 | 120 | 3.1 | <5.0 | <1.0 | 19 |
| MW-25 | 3/26/2008 | -- | -- | ND | 93 | 2.4 | -- | <1.0 | 14 |
| MW-25 | 5/3/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-25 | 6/11/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-25 | 8/29/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-26 | 2/28/2008 | <93 | -- | ND | 26 | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-26 | 3/12/2008 | -- | <460 | ND | 16 | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-26 | 3/20/2008 | -- | <460 | ND | 27 | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-26 | 3/26/2008 | -- | -- | ND | 67 | <1.0 | -- | <1.0 | 4.6 |
| MW-26 | 5/4/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-26 | 6/12/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-26 | 8/29/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-26 | 12/3/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-26 | 3/24/2009 | -- | -- | 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 | Sum of trimethyl-benzenes | Benzene | Ethyl benzene | Naphthalene | Toluene | Xylenes total |
|--|------------------|-----------------------|----------------------------|---------------------------|-------------|---------------|-------------|-------------|------------------|
| WI Public Health Groundwater Preventive Action Limit | Bold | -- | -- | 96 c | 0.5 | 140 | 8 | 200 | 1000 |
| WI Public Health Groundwater Enforcement Standards | <u>Underline</u> | -- | -- | <u>480 c</u> | <u>5</u> | <u>700</u> | <u>40</u> | <u>1000</u> | <u>10000 (4)</u> |
| MW-26 | 6/24/2009 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-26 | 9/16/2009 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-26 | 12/19/2011 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-26 | 12/16/2013 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-27 | 2/27/2008 | -- | -- | 3.6 | <u>55</u> | <1.0 | <5.0 | <1.0 | 3.5 |
| MW-27 | 3/12/2008 | -- | <460 | ND | <u>77</u> | <1.0 | <5.0 | <1.0 | 4.4 |
| MW-27 | 3/20/2008 | -- | <460 | ND | <u>57</u> | <1.0 | <5.0 | <1.0 | 3.3 |
| MW-27 | 3/26/2008 | -- | -- | ND | <u>40</u> | <1.0 | -- | <1.0 | <3.0 |
| MW-27 | 6/12/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-27 | 8/29/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-27 | 11/7/2011 | -- | -- | ND | <u>3.5</u> | <1.0 | -- | <1.0 | <3.0 |
| MW-27 | 12/19/2011 | -- | -- | ND | <u>1.4</u> | <1.0 | -- | <1.0 | <3.0 |
| MW-27 | 3/26/2012 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-27 | 7/17/2012 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-27 | 9/12/2013 | -- | -- | ND | <u>10.7</u> | <1.0 | -- | <1.0 | <3.0 |
| MW-27 | 12/16/2013 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-28 | 3/25/2008 | -- | <460 | ND | <1.0 | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-28 | 4/8/2008 | -- | -- | ND | <u>2.2</u> | <1.0 | -- | <1.0 | <3.0 |
| MW-28 | 4/23/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-28 | 5/3/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-28 | 6/11/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-28 | 8/28/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-28 | 12/19/2011 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-28 | 9/12/2013 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-28 | 12/16/2013 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-29 | 2/27/2008 | -- | -- | ND | <u>14</u> | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-29 | 3/12/2008 | -- | <460 | 2.6 | <u>150</u> | 4.0 | <5.0 | <1.0 | 23 |
| MW-29 | 3/19/2008 | -- | <460 | ND | <u>2.7</u> | <1.0 | -- | <1.0 | <3.0 |
| MW-29 | 3/26/2008 | -- | -- | ND | <u>1.4</u> | <1.0 | -- | <1.0 | <3.0 |
| MW-29 | 4/9/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-29 | 4/24/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-29 | 5/3/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-29 | 6/11/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-29 | 8/29/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-29 | 12/19/2011 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-29 | 3/26/2012 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| 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 | ND | <1.0 | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-30 | 4/8/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-30 | 4/23/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-30 | 5/3/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-30 | 6/11/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-30 | 8/28/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-30 | 12/19/2011 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-30 | 12/16/2013 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-31 | 3/25/2008 | -- | <460 | ND | <1.0 | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-31 | 6/10/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-31 | 8/28/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-32 | 3/25/2008 | -- | <460 | ND | <1.0 | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-32 | 6/11/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-32 | 8/28/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-33 | 11/3/2008 | -- | -- | 83 | <u>3900</u> | 69 | -- | <u>240</u> | 310 |
| MW-33 | 12/4/2008 | -- | -- | 20 | <u>4600</u> | <20 | -- | <20 | 200 |
| MW-33 | 3/25/2009 | -- | -- | 15 | <u>2200</u> | 13 | -- | 22 | 51 |
| MW-33 | 6/25/2009 | -- | -- | 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 |

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 | Sum of trimethyl-benzenes | Benzene | Ethyl benzene | Naphthalene | Toluene | Xylenes total |
|--|------------------|-----------------------|----------------------------|---------------------------|-------------|---------------|-------------|-------------|------------------|
| WI Public Health Groundwater Preventive Action Limit | Bold | -- | -- | 96 c | 0.5 | 140 | 8 | 200 | 1000 |
| WI Public Health Groundwater Enforcement Standards | <u>Underline</u> | -- | -- | <u>480 c</u> | <u>5</u> | <u>700</u> | <u>40</u> | <u>1000</u> | <u>10000 (4)</u> |
| 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 | -- | -- | 17.3 | <u>17.3</u> | 40.6 | -- | <1.0 | <3.0 |
| MW-33 | 6/10/2014 | -- | -- | 34.9 | <u>31.3</u> | 73.9 | -- | <1.0 | 5.4 |
| MW-33 | 7/17/2014 | -- | -- | 44 | <u>21.0</u> | 71.6 | -- | <1.0 | 13.3 |
| MW-33 | 8/19/2014 | -- | -- | 62.2 | <u>35.2</u> | 93.5 | -- | <1.0 | 30.1 |
| MW-33 | 9/17/2014 | -- | -- | 78.9 | <u>39.3</u> | 99.5 | -- | <1.0 | 24.7 |
| MW-33 | 12/9/2014 | -- | -- | 41.6 | <u>16.0</u> | 74.5 | -- | <1.0 | 11.9 |
| MW-34 | 11/3/2008 | -- | -- | 12.5 | <u>1400</u> | 13 | -- | 26 | 79 |
| MW-34 | 12/4/2008 | -- | -- | 14 | <u>2600</u> | 13 | -- | 18 | 110 |
| MW-34 | 3/25/2009 | -- | -- | ND | <u>1300</u> | 5.4 | -- | <5.0 | <15 |
| MW-34 | 6/25/2009 | -- | -- | 10 | <u>1500</u> | 38 | -- | <10 | 30 |
| MW-34 | 9/16/2009 | -- | -- | 29 | <u>1300</u> | 56 | -- | <5.0 | 45 |
| MW-34 | 12/8/2009 | -- | -- | 14 | <u>900</u> | 54 | -- | 39 | 38 |
| MW-34 | 3/30/2010 | -- | -- | 9.4 | <u>510</u> | 21 | -- | 6.6 | 13 |
| MW-34 | 6/24/2010 | -- | -- | 11.4 | <u>560</u> | 26 | -- | 8.0 | <15 |
| MW-34 | 9/27/2010 | -- | -- | 21 | <u>530</u> | 42 | -- | 8.2 | 32 |
| MW-34 | 12/27/2010 | -- | -- | 31 | <u>490</u> | 52 | -- | 6.0 | 47 |
| MW-34 | 3/24/2011 | -- | -- | 60 | <u>790</u> | 79 | -- | <5.0 | 23 |
| MW-34 | 6/23/2011 | -- | -- | 4.3 | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-34 | 8/15/2011 | -- | -- | 13.6 | <u>290</u> | 40 | -- | <2.0 | <6.0 |
| MW-34 | 9/1/2011 | -- | -- | 14.9 | <u>270</u> | 47 | -- | <1.0 | 3.7 |
| MW-34 | 9/13/2011 | -- | -- | 18.1 | <u>240</u> | 49 | -- | <1.0 | 5.7 |
| MW-34 | 10/11/2011 | -- | -- | 10.4 | <u>160</u> | 30 | -- | <1.0 | 3.3 |
| MW-34 | 12/19/2011 | -- | -- | 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 |
| MW-34 | 3/26/2014 | -- | -- | 3.9 | <u>10.2</u> | 16.9 | -- | <1.0 | <3.0 |
| MW-34 | 6/10/2014 | -- | -- | 25.9 | <u>39.1</u> | 49.6 | -- | <1.0 | <3.0 |
| MW-34 | 7/17/2014 | -- | -- | 19.6 | <u>19.5</u> | 41.3 | -- | <1.0 | <3.0 |
| MW-34 | 8/19/2014 | -- | -- | 24.6 | <u>24.1</u> | 46.9 | -- | <1.0 | 7.0 |
| MW-34 | 9/17/2014 | -- | -- | 30.4 | <u>30.8</u> | 58.1 | -- | <1.0 | 5.2 |
| MW-34 | 12/9/2014 | -- | -- | 25.1 | <u>24.3</u> | 49.7 | -- | <1.0 | 4.3 |

-- No criteria/not analyzed.
* Estimated value, QA/QC criteria not met.
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.
h EPA recommended sample preservation, extraction or analysis holding time was exceeded, or temperature exceedance, results can be considered potentially biased low.

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 | |
| MW-2 | 8/3/2010 | 1225.61 | 1227.77 | 1191.77 | 1181.77 | 41.15 | | | 1186.62 | |

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 | 8/16/2010 | 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-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 | |

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 | 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 | |
| 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 | |

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 | 2/6/2012 | 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-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 | |

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-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-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 | |
| 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 | |

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 | 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 | |
| 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-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 | |

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 | 05/12/2009 | 1223.53 | 1225.19 | 1191.19 | 1181.19 | 39.03 | | | 1186.16 | |
| 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-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 |
| 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 |

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 | 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 |
| 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 |

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 | 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-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 | |
| 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-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 | |

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-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-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 | |
| 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-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 | |

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-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 |
| 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 | |

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 | 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 | |
| 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-12 | 7/25/2007 | 1223.28 | 1225.71 | 1189.71 | 1179.71 | 39.52 | | | 1186.19 | |
| 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 | |

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 | 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 | |
| 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 | |

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 | 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-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 | |
| 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-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 | |

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-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-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 | |
| 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 | |

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 | 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 | |
| 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-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 | |

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 | 12/03/2008 | 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 | |
| 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 | |
| <hr/> | | | | | | | | | | |
| 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 | |
| <hr/> | | | | | | | | | | |
| 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 | |

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 | 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 | |
| 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-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 | 3/25/2013 | 1225.12 | 1227.18 | 1192.18 | 1182.18 | | | | | |
| MW-18 | 6/19/2013 | 1225.12 | 1227.18 | 1192.18 | 1182.18 | | | | | |
| 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 | 3/25/2014 | 1225.12 | 1227.18 | 1192.18 | 1182.18 | | | | | |
| MW-18 | 6/9/2014 | 1225.12 | 1227.18 | 1192.18 | 1182.18 | | | | | |
| | | | | | | | | | | |
| RW-1 | 6/12/2007 | 1224.98 | 1227.25 | 1190.25 | 1180.25 | 40.32 | | | 1186.93 | |
| RW-1 | 6/21/2007 | 1224.98 | 1227.25 | 1190.25 | 1180.25 | 40.41 | | | 1186.84 | |
| RW-1 | 7/2/2007 | 1224.98 | 1227.25 | 1190.25 | 1180.25 | 40.55 | | | 1186.70 | |
| RW-1 | 7/11/2007 | 1224.98 | 1227.25 | 1190.25 | 1180.25 | 40.54 | | | 1186.71 | |
| RW-1 | 7/24/2007 | 1224.98 | 1227.25 | 1190.25 | 1180.25 | 40.62 | | | 1186.63 | |
| RW-1 | 8/2/2007 | 1224.98 | 1227.25 | 1190.25 | 1180.25 | 40.64 | | | 1186.61 | |
| RW-1 | 8/9/2007 | 1224.98 | 1227.25 | 1190.25 | 1180.25 | 40.65 | 40.64 | 0.01 | 1186.60 | 1186.61 |
| RW-1 | 10/17/2007 | 1224.98 | 1227.25 | 1190.25 | 1180.25 | 40.16 | | | 1187.09 | |
| RW-1 | 11/9/2007 | 1224.98 | 1227.25 | 1190.25 | 1180.25 | 40.27 | | | 1186.98 | |
| RW-1 | 12/3/2007 | 1224.98 | 1227.25 | 1190.25 | 1180.25 | 40.30 | | | 1186.95 | |
| RW-1 | 02/19/2008 | 1224.98 | 1227.25 | 1190.25 | 1180.25 | 41.03 | | | 1186.22 | |
| RW-1 | 03/25/2009 | 1224.98 | 1227.25 | 1190.25 | 1180.25 | 40.05 | | | 1187.20 | |
| RW-1 | 12/07/2009 | 1224.98 | 1227.25 | 1190.25 | 1180.25 | 41.32 | 41.30 | 0.02 | 1185.93 | 1185.95 |
| RW-1 | 03/29/2010 | 1224.98 | 1227.25 | 1190.25 | 1180.25 | 41.50 | 40.85 | 0.65 | 1185.75 | 1186.40 |
| RW-1 | 06/24/2010 | 1224.98 | 1227.25 | 1190.25 | 1180.25 | 40.95 | 40.65 | 0.30 | 1186.30 | 1186.60 |
| RW-1 | 09/27/2010 | 1224.98 | 1227.25 | 1190.25 | 1180.25 | 39.82 | | | 1187.43 | |
| RW-1 | 12/28/2010 | 1224.98 | 1227.25 | 1190.25 | 1180.25 | 39.70 | 39.65 | 0.05 | 1187.55 | 1187.60 |
| RW-1 | 03/24/2011 | 1224.98 | 1227.25 | 1190.25 | 1180.25 | 38.90 | 38.60 | 0.30 | 1188.35 | 1188.65 |
| RW-1 | 06/23/2011 | 1224.98 | 1227.25 | 1190.25 | 1180.25 | 39.15 | | | 1188.10 | |
| RW-1 | 09/01/2011 | 1224.98 | 1227.25 | 1190.25 | 1180.25 | 39.39 | | | 1187.86 | |
| RW-1 | 09/13/2011 | 1224.98 | 1227.25 | 1190.25 | 1180.25 | 39.52 | | | 1187.73 | |
| RW-1 | 09/27/2011 | 1224.98 | 1227.25 | 1190.25 | 1180.25 | 39.58 | | | 1187.67 | |
| RW-1 | 10/11/2011 | 1224.98 | 1227.25 | 1190.25 | 1180.25 | 39.57 | | | 1187.68 | |
| RW-1 | 10/24/2011 | 1224.98 | 1227.25 | 1190.25 | 1180.25 | 39.58 | | | 1187.67 | |
| RW-1 | 11/07/2011 | 1224.98 | 1227.25 | 1190.25 | 1180.25 | 39.63 | | | 1187.62 | |

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 | 12/19/2011 | 1224.98 | 1227.25 | 1190.25 | 1180.25 | 39.72 | | | 1187.53 | |
| RW-1 | 03/26/2012 | 1224.98 | 1227.25 | 1190.25 | 1180.25 | 39.58 | | | 1187.67 | |
| RW-1 | 06/19/2012 | 1224.98 | 1227.25 | 1190.25 | 1180.25 | 39.86 | | | 1187.39 | |
| RW-1 | 09/25/2012 | 1224.98 | 1227.25 | 1190.25 | 1180.25 | 40.38 | | | 1186.87 | |
| RW-1 | 12/17/2012 | 1224.98 | 1227.25 | 1190.25 | 1180.25 | 40.20 | | | 1187.05 | |
| RW-1 | 03/25/2013 | 1224.98 | 1227.25 | 1190.25 | 1180.25 | 40.65 | | | 1186.60 | |
| RW-1 | 06/19/2013 | 1224.98 | 1227.25 | 1190.25 | 1180.25 | 39.84 | | | 1187.41 | |
| RW-1 | 07/17/2013 | 1224.98 | 1227.25 | 1190.25 | 1180.25 | 40.13 | | | 1187.12 | |
| RW-1 | 08/13/2013 | 1224.98 | 1227.25 | 1190.25 | 1180.25 | 40.41 | | | 1186.84 | |
| RW-1 | 09/12/2013 | 1224.98 | 1227.25 | 1190.25 | 1180.25 | 40.65 | | | 1186.60 | |
| RW-1 | 10/31/2013 | 1224.98 | 1227.25 | 1190.25 | 1180.25 | 40.55 | 40.55 | Trace | 1186.70 | |
| RW-1 | 11/13/2013 | 1224.98 | 1227.25 | 1190.25 | 1180.25 | 40.55 | 40.55 | Trace | 1186.70 | |
| RW-1 | 12/17/2013 | 1224.98 | 1227.25 | 1190.25 | 1180.25 | Dry at 39.30 | | | | |
| RW-1 | 03/25/2014 | 1224.98 | 1227.25 | 1190.25 | 1180.25 | Dry | | | | |
| RW-1 | 06/09/2014 | 1224.98 | 1227.25 | 1190.25 | 1180.25 | 39.28 | | | | |
| RW-1 | 09/17/2014 | 1224.98 | 1227.25 | 1190.25 | 1180.25 | 39.40 | | | | |
| RW-1 | 12/08/2014 | 1224.98 | 1227.25 | 1190.25 | 1180.25 | 39.74 | | | | |
| <hr/> | | | | | | | | | | |
| RW-2 | 6/12/2007 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.09 | | | 1186.57 | |
| RW-2 | 6/21/2007 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.17 | | 0.00 | 1186.49 | |
| RW-2 | 6/21/2007 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.15 | 40.14 | 0.01 | 1186.51 | 1186.52 |
| RW-2 | 7/2/2007 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.35 | 40.28 | 0.07 | 1186.31 | 1186.38 |
| RW-2 | 7/11/2007 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.34 | 40.29 | 0.05 | 1186.32 | 1186.37 |
| RW-2 | 7/24/2007 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.35 | 40.33 | 0.02 | 1186.31 | 1186.33 |
| RW-2 | 8/2/2007 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.37 | 40.36 | 0.01 | 1186.29 | 1186.30 |
| RW-2 | 8/2/2007 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.39 | 40.35 | 0.04 | 1186.27 | 1186.31 |
| RW-2 | 8/9/2007 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.45 | 40.38 | 0.07 | 1186.21 | 1186.28 |
| RW-2 | 10/17/2007 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.91 | 39.89 | 0.02 | 1186.75 | 1186.77 |
| RW-2 | 11/9/2007 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.01 | | | 1186.65 | |
| RW-2 | 12/3/2007 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.06 | 40.03 | 0.03 | 1186.60 | 1186.63 |
| RW-2 | 1/14/2008 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.42 | 40.36 | 0.06 | 1186.24 | 1186.30 |
| RW-2 | 2/19/2008 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.57 | 40.51 | 0.06 | 1186.09 | 1186.15 |
| RW-2 | 03/19/2008 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.68 | 40.65 | 0.03 | 1185.98 | 1186.01 |
| RW-2 | 04/01/2008 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.55 | 40.49 | 0.06 | 1186.11 | 1186.17 |
| RW-2 | 04/08/2008 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.03 | 40.03 | 0.00 | 1186.63 | 1186.63 |
| RW-2 | 04/23/2008 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.60 | 39.58 | 0.02 | 1187.06 | 1187.08 |
| RW-2 | 05/03/2008 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.47 | 39.47 | 0.00 | 1187.19 | 1187.19 |
| RW-2 | 06/10/2008 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.49 | | | 1187.17 | |
| RW-2 | 07/22/2008 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.66 | 39.66 | 0.00 | 1187.00 | 1187.00 |
| RW-2 | 07/30/2008 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.59 | 39.59 | 0.00 | 1187.07 | 1187.07 |
| RW-2 | 08/05/2008 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.69 | 39.69 | 0.00 | 1186.97 | 1186.97 |
| RW-2 | 08/12/2008 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.65 | 39.65 | 0.00 | 1187.01 | 1187.01 |
| RW-2 | 08/19/2008 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.71 | 39.71 | 0.00 | 1186.95 | 1186.95 |
| RW-2 | 08/27/2008 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.71 | 39.71 | 0.00 | 1186.95 | 1186.95 |
| RW-2 | 08/28/2008 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.93 | 39.92 | 0.01 | 1186.73 | 1186.74 |
| RW-2 | 09/09/2008 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.83 | 39.82 | 0.01 | 1186.83 | 1186.84 |
| RW-2 | 09/16/2008 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.80 | 39.80 | 0.00 | 1186.86 | 1186.86 |
| RW-2 | 09/24/2008 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.85 | 39.85 | 0.00 | 1186.81 | 1186.81 |
| RW-2 | 09/30/2008 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.76 | 39.76 | 0.00 | 1186.90 | 1186.90 |
| RW-2 | 10/06/2008 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.70 | 39.70 | 0.00 | 1186.96 | 1186.96 |
| RW-2 | 10/14/2008 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.68 | 39.68 | 0.00 | 1186.98 | 1186.98 |
| RW-2 | 10/21/2008 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.61 | 39.61 | 0.00 | 1187.05 | 1187.05 |
| RW-2 | 11/04/2008 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.49 | 39.49 | 0.00 | 1187.17 | 1187.17 |
| RW-2 | 11/11/2008 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.47 | 39.47 | 0.00 | 1187.19 | 1187.19 |
| RW-2 | 11/19/2008 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.52 | 39.52 | 0.00 | 1187.14 | 1187.14 |
| RW-2 | 12/03/2008 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.55 | 39.55 | 0.00 | 1187.11 | 1187.11 |
| RW-2 | 01/02/2009 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.88 | 39.88 | 0.00 | 1186.78 | 1186.78 |
| RW-2 | 02/04/2009 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.92 | | | 1186.74 | |
| RW-2 | 02/10/2009 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.98 | | | 1186.68 | |
| RW-2 | 02/17/2009 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.96 | 39.95 | 0.01 | 1186.70 | 1186.71 |
| RW-2 | 02/27/2009 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.95 | 39.93 | 0.02 | 1186.71 | 1186.73 |
| RW-2 | 03/04/2009 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.04 | 40.03 | 0.01 | 1186.62 | 1186.63 |
| RW-2 | 03/11/2009 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.07 | | | 1186.59 | |
| RW-2 | 03/17/2009 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.94 | | | 1186.72 | |
| RW-2 | 03/25/2009 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.81 | | | 1186.85 | |
| RW-2 | 03/31/2009 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.91 | | | 1186.75 | |
| RW-2 | 04/08/2009 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.96 | | | 1186.70 | |
| RW-2 | 04/13/2009 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.04 | | | 1186.62 | |
| RW-2 | 05/12/2009 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.98 | | | 1186.68 | |
| RW-2 | 05/19/2009 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.12 | | | 1186.54 | |
| RW-2 | 6/3/2009 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.37 | 40.37 | 0.00 | 1186.29 | 1186.29 |
| RW-2 | 6/10/2009 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.39 | 40.38 | 0.01 | 1186.27 | 1186.28 |
| RW-2 | 6/16/2009 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.45 | 40.45 | 0.00 | 1186.21 | 1186.21 |
| RW-2 | 6/24/2009 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.47 | | | 1186.19 | |
| RW-2 | 6/30/2009 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.50 | | | 1186.16 | |
| RW-2 | 7/8/2009 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.54 | 40.52 | 0.02 | 1186.12 | 1186.14 |
| RW-2 | 7/20/2009 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.70 | 40.68 | 0.02 | 1185.96 | 1185.98 |
| RW-2 | 8/4/2009 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.65 | 40.63 | 0.02 | 1186.01 | 1186.03 |
| RW-2 | 8/18/2009 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.72 | 40.71 | 0.01 | 1185.94 | 1185.95 |
| RW-2 | 9/15/2009 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 41.13 | 41.09 | 0.04 | 1185.53 | 1185.57 |
| RW-2 | 9/29/2009 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 41.11 | 41.03 | 0.08 | 1185.55 | 1185.63 |
| RW-2 | 10/15/2009 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.92 | 40.88 | 0.04 | 1185.74 | 1185.78 |
| RW-2 | 10/28/2009 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.62 | | | 1186.04 | |
| RW-2 | 11/11/2009 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.59 | | | 1186.07 | |

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 | 12/1/2009 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.85 | 40.78 | 0.07 | 1185.81 | 1185.88 |
| RW-2 | 12/7/2009 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.85 | 40.84 | 0.01 | 1185.81 | 1185.82 |
| RW-2 | 12/22/2009 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.85 | | | 1185.81 | |
| RW-2 | 1/5/2010 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.80 | | | 1185.86 | |
| RW-2 | 1/19/2010 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.80 | | | 1185.86 | |
| RW-2 | 2/3/2010 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.81 | 40.8 | 0.01 | 1185.85 | 1185.86 |
| RW-2 | 2/16/2010 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.82 | | | 1185.84 | |
| RW-2 | 3/3/2010 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.83 | 40.8 | 0.03 | 1185.83 | 1185.86 |
| RW-2 | 3/16/2010 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.10 | | | 1186.56 | |
| RW-2 | 3/29/2010 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.30 | 40.295 | 0.00 | 1186.36 | 1186.37 |
| RW-2 | 4/13/2010 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.55 | 40.55 | 0.00 | 1186.11 | 1186.11 |
| RW-2 | 4/27/2010 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.25 | | | 1186.41 | |
| RW-2 | 5/12/2010 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.45 | | | 1186.21 | |
| RW-2 | 5/26/2010 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.41 | | | 1186.25 | |
| RW-2 | 6/8/2010 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.50 | | | 1186.16 | |
| RW-2 | 6/24/2010 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.11 | | | 1186.55 | |
| RW-2 | 7/7/2010 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.16 | | | 1186.50 | |
| RW-2 | 7/20/2010 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.84 | | | 1186.82 | |
| RW-2 | 8/3/2010 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.89 | | | 1186.77 | |
| RW-2 | 8/16/2010 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.58 | | | 1187.08 | |
| RW-2 | 8/31/2010 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.80 | | | 1186.86 | |
| RW-2 | 9/14/2010 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.83 | | | 1186.83 | |
| RW-2 | 9/27/2010 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.25 | | | 1187.41 | |
| RW-2 | 10/12/2010 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.48 | | | 1187.18 | |
| RW-2 | 10/25/2010 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.42 | | | 1187.24 | |
| RW-2 | 11/9/2010 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.12 | | | 1187.54 | |
| RW-2 | 11/30/2010 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.10 | | | 1187.56 | |
| RW-2 | 12/16/2010 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.62 | | | 1187.04 | |
| RW-2 | 12/28/2010 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.23 | | | 1187.43 | |
| RW-2 | 1/25/2011 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.25 | | | 1187.41 | |
| RW-2 | 2/8/2011 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.42 | | | 1187.24 | |
| RW-2 | 2/21/2011 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.44 | | | 1187.22 | |
| RW-2 | 3/8/2011 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.55 | | | 1187.11 | |
| RW-2 | 3/24/2011 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.20 | | | 1187.46 | |
| RW-2 | 4/4/2011 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.14 | | | 1187.52 | |
| RW-2 | 4/26/2011 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 38.85 | | | 1187.81 | |
| RW-2 | 5/10/2011 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 38.65 | | | 1188.01 | |
| RW-2 | 5/23/2011 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 38.65 | | | 1188.01 | |
| RW-2 | 6/7/2011 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 38.68 | | | 1187.98 | |
| RW-2 | 6/23/2011 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 38.70 | | | 1187.96 | |
| RW-2 | 7/7/2011 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 38.95 | | | 1187.71 | |
| RW-2 | 7/28/2011 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 38.95 | | | 1187.71 | |
| RW-2 | 8/15/2011 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 38.82 | | | 1187.84 | |
| RW-2 | 9/1/2011 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 38.91 | | | 1187.75 | |
| RW-2 | 9/13/2011 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.05 | | | 1187.61 | |
| RW-2 | 9/27/2011 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.12 | | | 1187.54 | |
| RW-2 | 10/11/2011 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.09 | | | 1187.57 | |
| RW-2 | 10/24/2011 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.10 | | | 1187.56 | |
| RW-2 | 11/7/2011 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.15 | | | 1187.51 | |
| RW-2 | 12/19/2011 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.30 | | | 1187.36 | |
| RW-2 | 1/10/2012 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.35 | | | 1187.31 | |
| RW-2 | 1/24/2012 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.55 | | | 1187.11 | |
| RW-2 | 2/6/2012 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.61 | | | 1187.05 | |
| RW-2 | 2/20/2012 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.72 | | | 1186.94 | |
| RW-2 | 3/6/2012 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.80 | | | 1186.86 | |
| RW-2 | 3/26/2012 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.12 | | | 1187.54 | |
| RW-2 | 4/10/2012 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.48 | | | 1187.18 | |
| RW-2 | 4/23/2012 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.30 | | | 1187.36 | |
| RW-2 | 5/7/2012 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.23 | | | 1187.43 | |
| RW-2 | 5/22/2012 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.45 | | | 1187.21 | |
| RW-2 | 6/5/2012 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.40 | | | 1187.26 | |
| RW-2 | 6/19/2012 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.33 | | | 1187.33 | |
| RW-2 | 7/18/2012 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.58 | | | 1187.08 | |
| RW-2 | 7/30/2012 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.57 | | | 1187.09 | |
| RW-2 | 8/12/2012 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.70 | | | 1186.96 | |
| RW-2 | 8/29/2012 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.85 | | | 1186.81 | |
| RW-2 | 9/12/2012 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.88 | | | 1186.78 | |
| RW-2 | 9/25/2012 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.86 | | | 1186.80 | |
| RW-2 | 10/16/2012 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.74 | | | 1186.92 | |
| RW-2 | 10/30/2012 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.59 | | | 1187.07 | |
| RW-2 | 11/12/2012 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.61 | | | 1187.05 | |
| RW-2 | 12/4/2012 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.72 | | | 1186.94 | |
| RW-2 | 12/17/2012 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.69 | | | 1186.97 | |
| RW-2 | 1/2/2013 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.80 | | | 1186.86 | |
| RW-2 | 1/15/2013 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.87 | | | 1186.79 | |
| RW-2 | 1/29/2013 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 39.95 | | | 1186.71 | |
| RW-2 | 2/12/2013 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.02 | | | 1186.64 | |
| RW-2 | 2/25/2013 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.06 | | | 1186.60 | |
| RW-2 | 3/12/2013 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.11 | | | 1186.55 | |
| RW-2 | 3/25/2013 | 1224.63 | 1226.66 | 1189.66 | 1179.66 | 40.14 | | | 1186.52 | |
| RW-2 | 4/9/2013 | 1224.63 | 1226.66 | 1226.66 | 1179.66 | 39.68 | | | 1186.98 | |
| RW-2 | 4/22/2013 | 1224.63 | 1226.66 | 1226.66 | 1179.66 | 39.36 | | | 1187.30 | |
| RW-2 | 5/9/2013 | 1224.63 | 1226.66 | 1226.66 | 1179.66 | 38.78 | | | 1187.88 | |
| RW-2 | 6/19/2013 | 1224.63 | 1226.66 | 1226.66 | 1179.66 | 39.35 | | | 1187.31 | |
| RW-2 | 7/17/2013 | 1224.63 | 1226.66 | 1226.66 | 1179.66 | 39.65 | | | 1187.01 | |

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 | 8/13/2013 | 1224.63 | 1226.66 | 1226.66 | 1179.66 | 39.95 | | | 1186.71 | |
| RW-2 | 9/12/2013 | 1224.63 | 1226.66 | 1226.66 | 1179.66 | 40.17 | | | 1186.49 | |
| RW-2 | 10/31/2013 | 1224.63 | 1226.66 | 1226.66 | 1179.66 | 40.06 | | | 1186.60 | |
| RW-2 | 11/13/2013 | 1224.63 | 1226.66 | 1226.66 | 1179.66 | 40.06 | | | 1186.60 | |
| RW-2 | 12/17/2013 | 1224.63 | 1226.66 | 1226.66 | 1179.66 | 40.12 | | | 1186.54 | |
| RW-2 | 1/21/2014 | 1224.63 | 1226.66 | 1226.66 | 1179.66 | 40.33 | | | 1186.33 | |
| RW-2 | 2/18/2014 | 1224.63 | 1226.66 | 1226.66 | 1179.66 | 40.49 | | | 1186.17 | |
| RW-2 | 3/25/2014 | 1224.63 | 1226.66 | 1226.66 | 1179.66 | 40.57 | | trace | 1186.09 | |
| RW-2 | 4/16/2014 | 1224.63 | 1226.66 | 1226.66 | 1179.66 | 39.46 | | | 1187.20 | |
| RW-2 | 6/9/2014 | 1224.63 | 1226.66 | 1226.66 | 1179.66 | 38.87 | | | 1187.79 | |
| RW-2 | 7/17/2014 | 1224.63 | 1226.66 | 1226.66 | 1179.66 | 39.13 | | | 1187.53 | |
| RW-2 | 8/19/2014 | 1224.63 | 1226.66 | 1226.66 | 1179.66 | 39.50 | | | 1187.16 | |
| RW-2 | 9/17/2014 | 1224.63 | 1226.66 | 1226.66 | 1179.66 | 39.01 | | | 1187.65 | |
| RW-2 | 10/14/2014 | 1224.63 | 1226.66 | 1226.66 | 1179.66 | 39.19 | | | 1187.47 | |
| RW-2 | 11/13/2014 | 1224.63 | 1226.66 | 1226.66 | 1179.66 | 39.26 | | | 1187.40 | |
| RW-2 | 12/8/2014 | 1224.63 | 1226.66 | 1226.66 | 1179.66 | 39.32 | | | 1187.34 | |
| <hr/> | | | | | | | | | | |
| 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 | |
| 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 | 39.00 | | | 1187.15 | |
| 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 | |
| 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 | |
| <hr/> | | | | | | | | | | |
| 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 | |

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 | 6/19/2012 | 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-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-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-22 | 02/28/2008 | 1188.14 | 1190.56 | 1185.56 | 1175.06 | 7.05 | | | 1183.51 | |

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-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-23 | | | | | | | | | | |
| 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-24 | | | | | | | | | | |
| 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 | |

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-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-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 | |
| MW-24D | 12/8/2014 | 1185.50 | 1187.76 | 1125.76 | 1120.76 | 2.84 | | | 1184.92 | |
| | | | | | | | | | | |
| 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 | |

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-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 | |
| <hr/> | | | | | | | | | | |
| 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 | |
| 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 | |
| <hr/> | | | | | | | | | | |
| 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 | |

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-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 | |
| <hr/> | | | | | | | | | | |
| 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 | |
| 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 | |
| <hr/> | | | | | | | | | | |
| 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 | |
| <hr/> | | | | | | | | | | |
| 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 | |

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 | 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 | |
| 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-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-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 | |
| 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 | |

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 | 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-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 | |
| 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 | |

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 | 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-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-7d | | Sparge Blower #1 | | Sparge Blower #2 | | Comments |
|----------|------------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|--|
| | Flow Rate (scfm) | Pressure (psf) | Flow Rate (scfm) | Pressure (psf) | Flow Rate (scfm) | Pressure (psf) | Flow Rate (scfm) | Pressure (psf) | Flow Rate (scfm) | Pressure (psf) | Flow Rate (scfm) | Pressure (psf) | Flow Rate (scfm) | Pressure (psf) | Flow Rate (scfm) | Pressure (psf) | Flow Rate (scfm) | Pressure (psf) | Flow Rate (scfm) | Pressure (psf) | |
| 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 | 8.5 | 2.5 | | | | | |
| 04/15/08 | 9 | | 9 | | 9 | | 9 | | 9 | | 9 | | 9 | | 9 | | | | | | |
| 04/21/08 | 8.5 | | 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 | 8 | 3 | | | | | |
| 05/06/08 | 6.5 | | 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 | 7.5 | 3 | | | | | |
| 06/04/08 | 7 | 3 | 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 | 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 | 8 | 8 | 8 | | | 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 | 50 | 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 | | | NR | 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 | 2.5 | 15 | 1 | 11 | 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 | blower down for repair | | | | | | | | | | | | | | | | | | | | |
| 09/30/09 | system restarted | | | | | | | | | | | | | | | | | | | | |
| 09/30/09 | 0 | 0 | 3 | 3.1 | 9 | 3.5 | 8.5 | 4.5 | 10 | 4 | 3 | 0.5 | 3 | 0.5 | | | | | | | |
| 10/15/09 | 6 | 4 | 6 | 4 | 5 | 4 | 5.5 | 5 | 6 | 4 | 4.5 | 0.5 | 6 | 0.5 | | | | | | | |
| 10/28/09 | 0 | 0 | 0 | 3 | 9 | 5 | 9 | 5 | 9 | 5 | 3 | 1 | 0 | 0 | | | | | | | |
| 11/11/09 | 0 | 0 | 0 | 4 | 9 | 4 | 9 | 5 | 10 | 4.5 | 3 | 1 | 0 | 0 | | | | | | | |
| 12/01/09 | 5 | 3.5 | 5 | 4 | 5 | 4 | 5 | 4.5 | 5 | 3.5 | 5 | 1 | 5 | 0.5 | | | | | | | |
| 12/07/09 | 5 | 3 | 5 | 3.5 | 5.5 | 3.5 | 5 | 4.5 | 5 | 2 | 5 | 1 | 5.5 | 0.5 | | | | | | | |
| 12/22/09 | 0 | 1 | 3 | 4.5 | 9 | 5 | 9 | 6 | 9 | 4.5 | 0 | 0 | 3 | 0 | | | | | | | |
| 01/05/10 | 0 | 0 | 3 | 3.5 | 9 | 3.5 | 9 | 4.5 | 9 | 4 | 0 | 0 | 2 | 0 | | | | | | | |
| 01/19/10 | 0 | 0 | 2 | 4 | 9 | 4.5 | 9 | 5 | 9 | 4.5 | 0 | 0 | 3 | 0 | | | | | | | |
| 02/03/10 | 0 | 0 | 0 | 0 | 9 | 4.5 | 8.5 | 5 | 9 | 4.5 | 0 | 0 | 0 | 0 | | | | | | | |
| 02/16/10 | 0 | 0 | 0 | 3 | 9 | 5 | 9 | 5 | 9 | 5 | 0 | 0 | 0 | 0 | | | | | | | |
| 03/03/10 | 0 | 0 | 0 | 3 | 9 | 4 | 9 | 4.8 | 9 | 4 | 0 | 0 | 0 | 0 | | | | | | | |
| 03/16/10 | 0 | 0 | 5 | 4.5 | 5 | 4.5 | 4.5 | 5 | 5 | 3 | 5 | 1 | 0 | 0 | | | | | | | |
| 03/29/10 | 0 | 0 | 5 | 4 | 5 | 5 | 3 | 5 | 5 | 3 | 0 | 0 | 5 | 1 | | | | | | | |
| 04/13/10 | 0 | 0 | 5 | 4 | 5 | 4.5 | 3 | 5 | 5 | 2.5 | 0 | 0 | 5 | 0.5 | | | | | | | |
| 04/27/10 | 0 | 0 | 5 | 4 | 5 | 4 | 3 | 4.5 | 5 | 2 | 0 | 0 | 5 | 0.5 | | | | | | | |
| 05/10/10 | 0 | 0 | 5 | 5 | 5 | 5 | 3 | 5 | 5 | 0 | 0 | 0 | 5 | 0.5 | | | | | | | |
| 05/10/10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| 05/12/10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| 05/26/10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | blower off Sparge off at arrival sparge blower still off |

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-7d | | Sparge Blower #1 | | Sparge Blower #2 | | Comments |
|----------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|-------------------------|
| | Flow Rate (scfm) | Pressure (psd) | Flow Rate (scfm) | Pressure (psd) | Flow Rate (scfm) | Pressure (psd) | Flow Rate (scfm) | Pressure (psd) | Flow Rate (scfm) | Pressure (psd) | Flow Rate (scfm) | Pressure (psd) | Flow Rate (scfm) | Pressure (psd) | Flow Rate (scfm) | Pressure (psd) | Flow Rate (scfm) | Pressure (psd) | Flow Rate (scfm) | Pressure (psd) | |
| 06/08/10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 06/08/10 | 0 | 0 | 7 | 4 | 7 | 4.5 | 7 | 5 | 7 | 4.5 | 0 | 0 | 7.5 | 1 | | | | | | | AS restarted 6/3/10 |
| 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 | 0 | 7 | 4 | 7 | 4 | 7 | 4 | 7 | 4 | 0 | 0 | 7 | 0 | | | | | | | |
| 08/12/10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | down 8/12 to 8/16 |
| 08/16/10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 | 5 | 5 | 5 | 5 | 5 | 0 | 0 | 0 | 0 | | | | | | | |
| 12/18/10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | blower off |
| 12/28/10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | blower down for repair |
| 01/12/11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | blower repaired |
| 01/12/11 | 5.5 | 5 | 5.5 | 6 | 5.5 | 6 | 5.5 | 7 | 5.5 | 6 | 0 | 0 | 0 | 0 | | | | | | | AS Restarted |
| 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 | 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 | 4 | 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 |
| 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 | 4 | 6 | 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 |

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-7d | | Sparge Blower #1 | | Sparge Blower #2 | | Comments |
|------------------|--|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|-------------------------|
| | Flow Rate (scfm) | Pressure (psd) | Flow Rate (scfm) | Pressure (psd) | Flow Rate (scfm) | Pressure (psd) | Flow Rate (scfm) | Pressure (psd) | Flow Rate (scfm) | Pressure (psd) | Flow Rate (scfm) | Pressure (psd) | Flow Rate (scfm) | Pressure (psd) | Flow Rate (scfm) | Pressure (psd) | Flow Rate (scfm) | Pressure (psd) | Flow Rate (scfm) | Pressure (psd) | |
| 07/12/12 | stem was off based on hour meter reading | | | | | | | | | | | | | | | | | | | | |
| 07/18/12 | | | | | | | | | | | | | | | | | | | | | |
| 07/30/12 | repaired and restarted. | | | | | | | | | | | | | | | | | | | | |
| 07/30/12 | 6 | 5 | 6 | 5 | 6 | 5 | 6 | 5 | 6 | 5 | 6 | 5 | 6 | 5 | 6 | 5 | | | | | AS down at arrival |
| 08/12/12 | 10 | 4 | 0 | 4 | 13 | 3 | 0 | 0 | 0 | 0 | 0 | 7 | 1 | 0 | 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 | | | | | | | 7 | 4 | 7 | 4 | | | | | 20 | 1 | | | | | |
| 6/11/14 1:45 PM | | | | | | | 7 | 4 | 7 | 4 | | | | | 20 | 1 | | | | | |
| 07/17/14 | | | | | | | 6 | 3.5 | 6 | 4.0 | | | | | 20 | 0.5 | | | | | adjusted upon departure |
| 08/19/14 | | | | | | | 4 | 5 | 5 | 4 | | | | | 22 | 0.5 | | | | | At arrival |
| 08/19/14 | | | | | | | 4 | 5 | 5 | 4 | | | | | 22 | 0.5 | | | | | adjusted upon departure |
| 09/16/14 | | | | | | | 5 | 5 | 4 | 5 | | | | | 20 | 0.5 | | | | | At arrival |
| 09/16/14 | | | | | | | 5 | 5 | 4 | 5 | | | | | 20 | 0.5 | | | | | adjusted upon departure |
| 10/14/14 | | | | | | | 2 | 5 | 5 | 5 | | | | | 18 | 0 | | | | | At arrival |
| 10/14/14 | | | | | | | 5 | 5 | 5 | 5 | | | | | 17 | 0 | | | | | adjusted upon departure |
| 11/13/14 | | | | | | | 4 | 6 | 4 | 6 | | | | | 18 | 0 | | | | | At arrival |
| 11/13/14 | | | | | | | 3 | 6 | 4 | 6 | | | | | 20 | 0 | | | | | adjusted upon departure |
| 12/11/14 | | | | | | | 0 | 0 | 0 | 0 | | | | | 20 | 23 | | | | | Repair and restart |
| 12/11/14 | | | | | | | 0 | 0 | 5 | 5 | | | | | 20 | 20 | | | | | 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 | 1.27% | |
| | 3/19/2008 | 3 | 19.6 | 2 | 22 | | 10 | 356 | |
| | 4/21/2008 | 0 | 20.1 | 0.5 | 67.1 | | 0 | 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 | |
| | 7/22/2008 | 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 | |
| | 9/9/2008 | 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 |
| | 4/22/2009 | | | | | | | | CLOSED |
| | 4/29/2009 | | | | | | | | CLOSED |
| | 5/12/2009 | 0 | 19.6 | 0.95 | 0 | | 15 | | |
| | 5/19/2009 | 0 | 19.4 | 1.22 | 0.7 | | 14 | | |
| | 6/3/2009 | 0 | 16.6 | 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 | | |
| | 9/11/2009 | 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 | | |
| | 12/23/2009 | 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 | | |
| | 3/5/2010 | 0 | 18.1 | 2.28 | 10 | | 23 | | |
| | 3/16/2010 | 0 | 19.1 | 1.26 | 3 | | 23 | | |
| | 3/29/2010 | 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 |
| | 8/3/2010 | 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 | | |
| | 4/26/2011 | 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. |

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 |
|-----------------|------------------|---------|------------|--------------------|-----------|-------------|--|-------|--|
| | 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 | | |
| | 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 | | |
| | 7/3/2012 | 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 | | |
| | 11/7/2012 | 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 | | |
| | 1/29/2013 | 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 | | |
| | 7/17/2014 | | | | | | | | OFF |
| | 8/19/2014 | | | | | | | | OFF |
| | 9/16/2014 | | | | | | | | OFF |
| | 10/14/2014 | | | | | | | | OFF |
| | 11/3/2014 | | | | | | | | OFF |
| | 12/1/14 8:00 AM | | | | | | | | CLOSED |
| | 2/6/2008 | 100 | 4.1 | 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 | 17500 | |
| | 4/21/2008 | 0 | 18.8 | 1.2 | 61.2 | | 0 | 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 | | |
| | 6/5/2009 | 0 | 16.2 | 2.25 | 27.7 | | 10 | | |
| | 6/10/2009 | 0 | 17.2 | 2.55 | 21 | | 10 | | |
| | 6/16/2009 | 0 | 17.2 | 2.55 | 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 | | |
| | 7/20/2009 | 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 | | |

**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 | 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 | | |
| | 12/22/2009 | 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 |
| | 8/3/2010 | 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 | | Opened for measurement |
| | 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 | | |
| | 4/4/2011 | 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 | 0.86 | 0.3 | | 12 | | |
| | 5/22/2012 | 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 | | | |
| 11/12/2012 | 0 | 20.0 | 1.06 | 0 | | 10 | | System shutdown upon departure. | |
| 1/4/2013 | 0 | 20.1 | 0.74 | 0 | | 10 | | | |
| 1/21/2013 | 0 | 20.1 | 0.99 | 0 | | 19 | | | |
| 1/22/2013 | 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 | 5.0 | | 12 | | | |
| 3/25/2014 | 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 | |
| 10/4/2014 | | | | | | | | OFF | |
| 11/3/2014 | | | | | | | | OFF | |
| 12/1/14 8:00 AM | | | | | | | | CLOSED | |
| 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 | 30900 | |
| 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 | | |

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 |
|-----------------|------------|---------|------------|--------------------|-----------|-------------|--------------------------|-----|---|
| | 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 | | |
| | 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 | | |
| | 1/2/2009 | 0.14 | 18.7 | 1.42 | 50 | | 20 | | |
| | 1/20/2009 | | | | | | 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 | | |
| | 6/3/2009 | 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 | | |
| | 8/18/2009 | 0.17 | 18.1 | 2.5 | 180 | | 8 | | |
| | 9/11/2009 | 0.2 | 17.6 | 2.45 | 293 | | 10 | | |
| | 9/15/2009 | 0.15 | 19.1 | 1.92 | 262 | | 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 | | |
| | 12/22/2009 | 0 | 19.8 | 0.94 | 47 | | 20 | | |
| | 1/8/2010 | 0 | 20.2 | 0.5 | 41 | | 22 | | |
| | 1/19/2010 | 0 | 20.3 | 0.55 | 26 | | 20 | | |
| | 2/3/2010 | 0 | 20.1 | 0.57 | 34 | | 23 | | |
| | 2/16/2010 | 0 | 20.3 | 0.62 | 70 | | 21 | | |
| | 3/3/2010 | 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 | | |
| | 5/12/2010 | 0 | 20.5 | 0.19 | 1 | | 0.12 | | closed |
| | 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 | 0.73 | 14 | | 12.0 | | Opened for readings only |
| | 7/29/2010 | 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 |
| | 10/7/2010 | 0 | 20.6 | 0.14 | 7 | | 0.12-0 | | |
| | 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 | 1.38 | 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 | 0.56 | 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 | 0.60 | 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 | | |

**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 |
|-----------------|------------------|---------|------------|--------------------|-----------|-------------|--------------------------|-------|---------|
| | 12/7/2012 | 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 | | 20.4 | 0.38 | 0 | | 17 | | |
| | 4/22/2013 | 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 | | |
| | 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 | 0.35 | 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 |
| | 9/16/2014 | | | | | | | | OFF |
| | 10/14/2014 | | | | | | | | OFF |
| | 11/3/2014 | | | | | | | | OFF |
| | 12/11/14 8:00 AM | | | | | | | | CLOSED |
| | 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 | 3.74% | |
| | 3/19/2008 | 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 | | | | | | 9 | | |
| | 7/30/2008 | 0 | 20.2 | 0.8 | 15.8 | | 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 | | |
| | 1/27/2008 | 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 | | |
| | 7/20/2009 | 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 | | |
| | 1/19/2010 | 0 | 20.5 | 0.67 | 77 | | 21 | | |
| | 2/3/2010 | 0 | 20.4 | 0.6 | 97 | | 22 | | |
| | 2/16/2010 | 0 | 20.6 | 0.55 | 110 | | 20 | | |
| | 3/3/2010 | 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 | | |
| | 6/8/2010 | 0 | 20.2 | 0.52 | 44 | | 22 | | |
| | 10/1/2010 | 0 | 20.2 | 0.52 | 16 | | 23 | | |
| | 7/7/2010 | 0 | 20.3 | 0.53 | 15 | | 22 | | |
| | 7/20/2010 | 0 | 20.2 | 0.47 | 16 | | 21 | | |
| | 8/5/2010 | 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 | | |
| 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 |
|-----------------|------------------|---------|------------|--------------------|-----------|-------------|--|-------|---|
| | 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 |
| | 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 |
| | 1/24/2012 | 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 | | |
| | 7/3/2012 | 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 | 20.4 | 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 | 0.56 | 0 | | 22 | | |
| | 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/OFF |
| | 5/9/2013 | | | | | | | | |
| | 2/26/14 12:00 PM | 0 | 9.9 | 3.35 | 0 | | 12 | | |
| | 2/28/14 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 | 19.7 | 0.89 | 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 8:00 AM | | | | | | | | CLOSED |
| | 1/17/2008 | 75 | 17.8 | 1.4 | 460 | | 31 | | |
| | 1/17/2008 | 63 | 17.1 | 1.4 | 139 | | mm | | |
| | 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 | | |
| | 2/27/2008 | 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 | 1.3 | | 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 | | |

**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 #5 | 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 | | |
| | 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 | | |
| | 9/11/2009 | 0.34 | 19.9 | 0.84 | 447 | | 10 | | |
| | 9/15/2009 | 0.27 | 20.1 | 0.84 | 467 | | 10 | | |
| | 9/29/2009 | 0.11 | 20.2 | 0.78 | 249 | | 10 | | |
| | 10/15/2009 | 0.1 | 20.5 | 0.67 | 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 | | |
| | 2/3/2010 | 0 | 20.7 | 0.3 | 76 | | 23 | | |
| | 2/16/2010 | 0 | 20.8 | 0.2 | 90 | | 19 | | |
| | 3/3/2010 | 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 | | 15 | | |
| | 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 | 2.5 | | 18 | | |
| | 10/25/2010 | 0 | 20.4 | 0.71 | 12 | | 19 | | |
| | 11/9/2010 | 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 | | | | 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 | 0.66 | 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 | | 13 | | |
| | 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) | | |
| | 8/29/2012 | 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 | | |
| | 10/16/2012 | 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 | | |
| | 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 3:00 PM | 0.08 | 13.7 | 2.75 | 4.1 | | 8 | | | |
| 2/26/14 3:30 PM | 0.07 | 13.9 | 2.70 | 11.7 | | 8 | | | |
| 3/25/2014 | 1.80 | 19.8 | 0.79 | 8.4 | | -21 | | | |

**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 |
|-----------------|-------------------|---------|------------|--------------------|-----------|-------------|--------------------------|-------|--|
| | 4/16/2014 | 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 11:00 AM | 0 | 20.4 | 0.40 | 0 | | | | Pilot start up SVE only. Sucking 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 sparge 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 | | |
| | 11/3/2014 | 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 | | |
| | | | | | | | | | |
| | 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 | 754 | | 34 | 8483 | |
| | 5/22/2008 | 10 | 20.4 | 0.6 | 354 | | 32 | 4725 | |
| | 6/4/2008 | 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 | | |
| | 9/30/2008 | 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 | | 23 | | |
| | 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 | | |
| | 6/5/2009 | 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 | 11.42 | 446 | | 9 | | |
| | 9/29/2009 | 0.19 | 20.1 | 0.88 | 293 | | 11 | | |
| | 10/15/2009 | 0.13 | 20.6 | 0.52 | 170 | | 10 | | |
| | 10/28/2009 | 0.19 | 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 | | |
| | 2/5/2010 | 0.08 | 20.5 | 0.24 | 114 | | 23 | | |
| | 2/16/2010 | 0.07 | 20.6 | 0.26 | 177 | | 20 | | |
| | 3/5/2010 | 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 | 88 | | 21 | | |
| | 7/7/2010 | 0 | 20 | 0.71 | 51 | | 21 | | |
| | 7/20/2010 | 0 | 20 | 0.67 | 26 | | 70 | | |
| | 8/5/2010 | 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 | | |
| | 12/28/2010 | 0 | 20.3 | 0.27 | 2.4 | | 27 | | |
| | 1/12/2011 | 0 | 20 | 0.36 | 5 | | 20 | | |
| | 1/25/2011 | 0 | 20.4 | 0.26 | 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 | | |

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 |
|-----------------|-------------------|---------|------------|--------------------|-----------|-------------|--|------|---|
| | 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 | | |
| | 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 | | |
| | 4/25/2012 | 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 | | |
| | 7/3/2012 | 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 | | |
| | 10/7/2012 | 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) | | |
| | 5/6/2013 | 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 | -- | -- | -- | -- | | -- | | |
| | 3/25/2014 | 1.60 | 20.5 | 0.0 | 8.7 | | 0 | | Froze |
| | 4/16/2014 | 0 | 20.7 | 0.00 | 0 | | 1 | | Still has 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 | 0.40 | 27/28 | | 28V | | Pilot study restart at 12:00. |
| | 6/11/14 12:45 PM | 0 | 20.9 | 0.03 | 26 | | 27V | | 7d sparge with points open after 30 min. |
| | 6/11/14 1:45 PM | 0 | 20.9 | 0.65 | 22 | | 27 | | Final reading before departure. |
| | 7/7/2014 | 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 | | |
| | 11/3/2014 | 0 | 19.9 | 0.98 | 0 | | 28 | | |
| | 12/11/14 8:00 AM | 0.9 | 20.0 | 0.75 | 0 | | 42 | | |
| | 12/11/14 10:45 AM | 0 | 20.8 | 0.06 | 0 | | 43 | | |
| | 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 | 2298 | |
| | 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 | |
| | 8/19/2008 | 0 | 20.1 | 1.5 | 83 | | 10 | 560 | |
| | 8/27/2008 | 0 | 19.8 | 1.4 | 32 | | 9 | 300 | |
| | 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 | | |

**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 |
|-----------------|------------------|---------|------------|--------------------|-----------|-------------|--------------------------|-----|---|
| | 6/3/2009 | 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 | 1.59 | 130 | | 8 | | |
| | 8/4/2009 | 0.1 | 18.4 | 2 | 150 | | 8 | | |
| | 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 | | |
| | 2/3/2010 | 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 | | |
| | 6/8/2010 | 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 | | |
| | 8/3/2010 | 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 | 5.5 | | 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 | | |
| | 4/4/2011 | 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 | | |
| | 7/18/2012 | 0 | 19.8 | 0.90 | 0.7 | | 10 | | |
| | 7/30/2012 | 0 | 19.3 | 1.26 | 1.0 | | 12 | | |
| | 8/12/2012 | 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 | | |
| | 1/22/2013 | 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 | 20.2 | 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 3:00 PM | 0 | 20.5 | 0.30 | 2.8 | | 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. |
| | 7/7/2014 | 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 | | |
| | 11/3/2014 | 0 | 20.8 | 0.01 | 0 | | 35 | | |
| | 12/11/14 8:00 AM | 0 | 20.8 | 0.08 | 0 | | 43 | | |

**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 |
|-----------------|-------------------|---------|------------|--------------------|-----------|-------------|--------------------------|-------|-----------------------|
| | 12/11/14 10:45 AM | 0 | 20.8 | 0.24 | 0 | | 43 | | |
| | 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 | |
| | 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 | | 11 | | |
| | 11/11/2008 | 0 | 19.1 | 1.48 | 54 | | 10.5 | | |
| | 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 | | |
| | 6/3/2009 | 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 | | |
| | 3/3/2010 | 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 | | 22 | | |
| | 5/26/2010 | 0 | 17.8 | 1.62 | 47 | | 20 | | |
| | 6/8/2010 | 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 | | |
| | 4/4/2011 | 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 | | |

SVE #8

Before system changes
After system changes

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 | 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 | | |
| | 7/3/2012 | 0 | 19.6 | 1.00 | 0.5 | | 12 | | |
| | 7/18/2012 | 0 | 20.0 | 0.91 | 0.6 | | 11 | | |
| | 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) | | |
| | 8/29/2012 | 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 | | |
| | 1/24/2013 | 0 | 14.7 | 2.70 | 0 | | 10 | | System shutdown upon departure. |
| | 12/17/2012 | 0 | 19.8 | 1.02 | 1.1 | | 18 | | |
| | 1/2/2013 | 0 | 19.9 | 0.82 | 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 | | |
| | 5/6/2013 | 0 | 20.1 | 0.63 | 0 | | 20 | | |
| | 2/26/14 12:00 PM | 0 | 4.7 | 8.10 | 10 | | 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 | 6.10 | 12.5 | | 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 |
| | 10/16/2014 | | | | | | | | OFF |
| | 11/3/2014 | | | | | | | | OFF |
| | 12/1/14 8:00 AM | | | | | | | | CLOSED |
| | 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 | | |
| | 1/20/2009 | | | | | | 23 | | |
| | 1/27/2009 | 0 | 20.2 | 0.91 | 28 | | 26 | | |
| | 2/4/2009 | 0.06 | 19.9 | 0.97 | 96 | | 30 | | |
| | 2/17/2009 | 0.1 | 19.6 | 1.14 | 62 | | 22 | | |
| | 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 | 80.1 | | 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 | | |
| | 7/29/2009 | 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 | | |
| | 9/11/2009 | 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 | | |
| | 10/5/2009 | 0.14 | 19.9 | 1.1 | 176 | | 11 | | |
| | 10/28/2009 | 0.14 | 19.8 | 1.04 | 171 | | 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 #9 | 11/1/2009 | 0.09 | 20 | 0.86 | 141 | | 12 | | |
| | 12/1/2009 | 0.24 | 18.6 | 1.46 | 282 | | 11 | | |
| | 13/7/2009 | 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 | | |
| | 1/9/2010 | 0.06 | 20.3 | 0.76 | 110 | | 23 | | |
| | 2/3/2010 | 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 | | |
| | 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 | | |
| | 8/3/2010 | 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 | | |
| | 11/30/2010 | 0 | 19.8 | 0.8 | 2 | | 25 | | |
| | 12/14/2010 | 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 | 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 | 12.0 | | 6 | | Collected 2 hrs after system start up |
| | 1/10/2012 | 0 | 16.6 | 2.10 | 6.2 | | 9 | | Collected after 1 hr of full operation |
| | 1/24/2012 | 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 | 4.3 | | 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 | | | |
| 7/3/2012 | 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) | | | |
| 8/29/2012 | 0 | 20.0 | 0.79 | 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 | | System shutdown upon departure. | |
| 12/4/2012 | 0 | 19.1 | 0.98 | 1.6 | | 10 | | | |
| 12/17/2012 | 0 | 20.3 | 0.67 | 1.1 | | 18 | | | |
| 1/22/2013 | 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 | | | |
| 3/12/2013 | 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 | | | |
| 5/9/2013 | 0 | 20.3 | 0.47 | 0 | | 20 | | | |
| 2/26/14 12:00 PM | 0 | 4.1 | 6.70 | 1.1 | | 7 | | | |
| 2/26/14 3:00 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 | 0.03 | 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. | |
| 7/17/2014 | 0 | 19.8 | 0.91 | 2.8 | | 17 | | | |
| 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 | | | |
| 11/3/2014 | 0 | 20.0 | 0.85 | 0 | | 30 | | | |
| 12/1/14 8:00 AM | | | | | | | | CLOSED | |
| 2/6/2008 | 100 | 14.4 | 2.2 | 109.4 | | | | | |
| 2/27/2008 | 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 | | | | | 3240 | | |

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 | 6/27/2008 | 6 | 18 | 0.4 | 357 | | | 1989 | |
| | 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 | |
| | 9/8/2008 | 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 | | |
| | 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 | | |
| | 1/20/2009 | | | | | | 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 | | |
| | 4/8/2009 | 0.07 | 20.3 | 0.33 | 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 | | |
| | 6/5/2009 | 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 | | |
| | 7/20/2009 | 0.11 | 20.8 | 0.36 | 158 | | 8 | | |
| | 8/4/2009 | 0.19 | 20.5 | 0.51 | 230 | | 8 | | |
| | 8/18/2009 | 0.18 | 20.3 | 0.64 | 2.4 | | 8 | | |
| | 9/11/2009 | 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 | | |
| | 10/13/2009 | 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 | | 17 | | |
| | 12/1/2009 | 0.27 | 20.1 | 0.55 | 207 | | 10 | | |
| | 12/7/2009 | 0.12 | 20.5 | 0.56 | 181 | | 17 | | |
| | 12/23/2009 | 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 | | |
| | 2/3/2010 | 0.09 | 20.6 | 0.3 | 161 | | 22 | | |
| | 2/16/2010 | 0.08 | 20.7 | 0.29 | 222 | | 20 | | |
| | 3/3/2010 | 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 | | | |
| 7/20/2010 | 0 | 20.2 | 0.52 | 72 | | 21 | | | |
| 8/3/2010 | 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 | | | |
| 2/8/2011 | 0 | 19.2 | 0.18 | 24.8 | | | | Before system changes | |
| 2/21/2011 | 0 | 20.6 | 0.09 | 34.3 | | 22 | | After system changes | |
| 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 | | | |

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 | 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 | |
| | 5/22/2012 | 0 | 20.4 | 0.30 | 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 | |
| | 7/3/2012 | 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 | |
| | 12/4/2012 | 0 | 19.8 | 0.64 | 2.9 | | | 9 | System shutdown upon departure. |
| | 12/17/2012 | 0 | 20.5 | 0.49 | 3.6 | | 13 (upon arrival) / 14 (after adjustments) | | |
| | 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 | 0.40 | 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 | |
| | 4/22/2013 | 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 3:00 PM | 0 | 11.7 | 3.90 | 4.8 | | | 10 | |
| | 2/26/14 3:30 PM | 0 | 10.6 | 4.40 | 11.7 | | | 10 | |
| | 3/25/2014 | 1.25 | 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 sparge 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 | 0.50 | 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 | |
| | 11/3/2014 | 0 | 20.3 | 0.61 | 0 | | | 30 | |
| | 12/1/14 8:00 AM | 0 | 20.8 | 0.00 | 0 | | | 42 | |
| | 12/1/14 10:45 AM | 0 | 20.6 | 0.56 | 0 | | | 43 | |
| | 2/6/2008 | 100 | 0 | 15.6 | 1354 | | | | |
| | 3/12/2008 | 100 | 15.8 | 5.1 | 161 | | 11 | >15% | |
| | 3/19/2008 | 100 | 18.2 | 2.2 | 121 | | 10 | >70000 | |
| | 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 | | |
| | 6/3/2009 | 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 | | |
| | 10/13/2009 | 0.10 | 108 | 7.3 | 159 | | 11 | | |
| | 10/28/2009 | 0.14 | 10.1 | 7 | 174 | | 12 | | |
| | 11/11/2009 | 0.09 | 11.6 | 630 | 133 | | 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 RW1 | 12/1/2009 | 0.29 | 6.5 | 9.18 | 190 | | 11 | | |
| | 12/7/2009 | 0.07 | 11.1 | 6.7 | 151 | | 17 | | |
| | 12/23/2009 | 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 | | |
| | 2/3/2010 | 0.07 | 7.2 | 9.5 | 135 | | 24 | | |
| | 2/16/2010 | 0.07 | 8.5 | 8.5 | 165 | | 20 | | |
| | 3/3/2010 | 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 | | |
| | 6/8/2010 | 0.00 | 18 | 1.68 | 60 | | 23 | | |
| | 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 | | |
| | 8/5/2010 | 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 | | |
| | 3/24/2011 | 0 | 18.3 | 1.68 | 23.4 | | 22 | | |
| | 4/4/2011 | 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 | | | |
| 7/3/2012 | 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) 19 (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 | 4.9 | | 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 | | | |
| 12/4/2012 | 0.16 | 7.8 | 5.40 | 6.2 | | 8 | | System shutdown upon departure. | |
| 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 | | | |
| 4/22/2013 | 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 | | | |
| 2/28/14 2:00 PM | 0.26 | 3.2 | 9.00 | 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 | 1.14 | 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 | |
| 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 | | | | | | 39 | | | |
| 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 | |
| 7/22/2008 | 21 | 15.6 | 2.9 | 982 | | 10 | | NM | |

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 | 7/23/2008 | | | | | | 10 | | | |
| | 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 | 400 | | 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 | | | 1 | | | |
| | 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 | | | |
| | 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 | | | |
| | 4/22/2009 | 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 | | | |
| | 6/5/2009 | 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 | 253 | | 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 | | | |
| | 10/13/2009 | 0.11 | 15.4 | 4.3 | 154 | | 8 | | | |
| | 10/28/2009 | 0.09 | 14.3 | 4.65 | 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 | | | |
| | 12/23/2009 | 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 | | | |
| | 2/3/2010 | 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 | 2.35 | 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 | | | | |
| 8/3/2010 | 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 | | | | |
| 11/20/2010 | 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 | | 25 | | | | |
| 1/12/2011 | 0 | 10.5 | 4.25 | 5.6 | | 19 | | | | |
| 1/25/2011 | 0 | 19 | 1.04 | 8.7 | | 20 | | | | |
| 2/8/2011 | 0 | 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 | | | | |
| 3/24/2011 | 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 | | | | |

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 |
|-----------------|-------------------|---------|------------|--------------------|-----------|-------------|--|-----|--|
| | 5/22/2012 | 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) | | |
| | 1/22/2013 | 0 | 19.8 | 0.66 | 4.3 | | 15 | | |
| | 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 | | |
| | 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 3:00 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 sparge 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 | | |
| | 10/4/2014 | 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 |

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 | 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 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 |
| 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 | | | 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 |

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 | 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 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 |

VI. Laboratory Analytical Results



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www.alsglobal.com

LABORATORY REPORT

March 14, 2014

Hans Wronka
Barr Engineering
4700 West 77th Street
Minneapolis, MN 55435

RE: Exland WI Enbridge MP-85 Site / 49/55-0029.00 Y 2014 001

Dear Hans:

Enclosed are the results of the sample(s) submitted to our laboratory on February 28, 2014. For your reference, these analyses have been assigned our service request number P1400810.

All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP and DoD-ELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

If you have any questions, please call me at (805) 526-7161.

Respectfully submitted,

ALS | Environmental

Kelly Horiuchi

By Kelly Horiuchi at 2:06 pm, Mar 14, 2014

Kelly Horiuchi
Laboratory Director



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www.alsglobal.com

Client: Barr Engineering Service Request No: P1400810
Project: Exland WI Enbridge MP-85 Site / 49/55-0029.00 Y 2014 001

CASE NARRATIVE

The sample(s) were received intact under chain of custody on February 28, 2014 and were stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the sample(s) at the time of sample receipt.

Total Petroleum Hydrocarbons as Gasoline Analysis

The sample was analyzed for total petroleum hydrocarbons (TPH) as gasoline per modified EPA Method TO-3 using a gas chromatograph equipped with a flame ionization detector (FID). This method is not included on the laboratory's NELAP scope of accreditation.

Volatile Organic Compound Analysis

The sample was also analyzed for benzene in accordance with EPA Method TO-15 from the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition (EPA/625/R-96/010b), January, 1999. The analytical system was comprised of a gas chromatograph / mass spectrometer (GC/MS) interfaced to a whole-air preconcentrator. Any analytes flagged with an X are not included on the laboratory's NELAP or DoD-ELAP scope of accreditation.

The reporting limit is elevated for sample(s) SVE Effluent. The chromatogram indicated the presence of non-target background components. The sample was diluted in order to prevent damage to the instrument and to achieve optimal resolution of the target analyte(s).

The Summa canisters were cleaned, prior to sampling, down to the method reporting limit (MRL) reported for this project. Please note, projects which require reporting below the MRL could have results between the MRL and method detection limit (MDL) that are biased high.

The results of analyses are given in the attached laboratory report. All results are intended to be considered in their entirety, and ALS Environmental (ALS) is not responsible for utilization of less than the complete report.

Use of ALS Environmental (ALS)'s Name. Client shall not use ALS's name or trademark in any marketing or reporting materials, press releases or in any other manner ("Materials") whatsoever and shall not attribute to ALS any test result, tolerance or specification derived from ALS's data ("Attribution") without ALS's prior written consent, which may be withheld by ALS for any reason in its sole discretion. To request ALS's consent, Client shall provide copies of the proposed Materials or Attribution and describe in writing Client's proposed use of such Materials or Attribution. If ALS has not provided written approval of the Materials or Attribution within ten (10) days of receipt from Client, Client's request to use ALS's name or trademark in any Materials or Attribution shall be deemed denied. ALS may, in its discretion, reasonably charge Client for its time in reviewing Materials or Attribution requests. Client acknowledges and agrees that the unauthorized use of ALS's name or trademark may cause ALS to incur irreparable harm for which the recovery of money damages will be inadequate. Accordingly, Client acknowledges and agrees that a violation shall justify preliminary injunctive relief. For questions contact the laboratory.



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ALS Environmental – Simi Valley
 Certifications, Accreditations, and Registrations

| Agency | Web Site | Number |
|------------------------|---|----------------------------|
| AIHA | http://www.aihaaccreditedlabs.org | 101661 |
| Arizona DHS | http://www.azdhs.gov/lab/license/env.htm | AZ0694 |
| DoD ELAP | http://www.pjlabs.com/search-accredited-labs | L11-203 |
| Florida DOH (NELAP) | http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm | E871020 |
| Maine DHHS | http://www.maine.gov/dhhs/mecdc/environmental-health/water/dwp-services/labcert/labcert.htm | 2012039 |
| Minnesota DOH (NELAP) | http://www.health.state.mn.us/accreditation | 494864 |
| New Jersey DEP (NELAP) | http://www.nj.gov/dep/oqa/ | CA009 |
| New York DOH (NELAP) | http://www.wadsworth.org/labcert/elap/elap.html | 11221 |
| Oregon PHD (NELAP) | http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx | CA200007 |
| Pennsylvania DEP | http://www.depweb.state.pa.us/labs | 68-03307 (Registration) |
| Texas CEQ (NELAP) | http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html | T104704413-13-4 |
| Utah DOH (NELAP) | http://www.health.utah.gov/lab/labimp/certification/index.html | CA01627201 3-3 |
| Washington DOE | http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html | C946 |

Analyses were performed according to our laboratory's NELAP and DoD-ELAP approved quality assurance program. A complete listing of specific NELAP and DoD-ELAP certified analytes can be found in the certifications section at www.alsglobal.com, or at the accreditation body's website.

Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact the laboratory for information corresponding to a particular certification.

ALS ENVIRONMENTAL

DETAIL SUMMARY REPORT

Client: Barr Engineering
 Project ID: Exland WI Enbridge MP-85 Site / 49/55-0029.00 Y 2014 001

Service Request: P1400810

Date Received: 2/28/2014
 Time Received: 11:10

| |
|--------------------------|
| TO-3 Modified - TPHG Can |
| TO-15 - VOC Cans |

| Client Sample ID | Lab Code | Matrix | Date Collected | Time Collected | Container ID | Pi1 (psig) | Pf1 (psig) | TO-3 Modified - TPHG Can | TO-15 - VOC Cans |
|------------------|--------------|--------|----------------|----------------|--------------|------------|------------|--------------------------|------------------|
| SVE Effluent | P1400810-001 | Air | 2/26/2014 | 15:45 | 1SC00216 | -3.01 | 5.53 | X | X |



Air - Chain of Custody Record & Analytical Service Request

2655 Park Center Drive, Suite A
 Simi Valley, California 93065
 Phone (805) 526-7161
 Fax (805) 526-7270

| | |
|--|---|
| Requested Turnaround Time in Business Days (Surcharges) please circle 1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10-Day-Standard | ALS Project No P1400610 |
|--|---|

| | | | | | | | | | | | |
|--|---|--|---|--|--|-----------------------------|--------------------------------|---|---|---|---|
| Company Name & Address (Reporting Information) Barr Engineering 4700 West 77th Street MINNEAPOLIS MINN | | | | Project Name Rivland WZ Enbridge MARS Site | | | | ALS Contact: | | Analysis Method <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 0.8em;"> TPH GAS TO 15 BENZENE ONLY </div> | Comments e.g. Actual Preservative or specific instructions |
| Project Manager Jon Gaspic | | | | Project Number 49155-0029.00 Y 2014 001 | | | | P.O. # / Billing Information | | | |
| Phone 952-832-2777 | | Fax 952-832-2401 | | Sampler (Print & Sign) WARD MITCHELL Ward Mitchell | | | | Email Address for Result Reporting JGASPIC@Barr.com | | | |
| Client Sample ID SUB EFFLUENT | Laboratory ID Number ①-2.78 | Date Collected 2-26-14 | Time Collected 3:45 | Canister ID (Bar code # - AC, SC, etc.) 1SC00216 | Flow Controller ID (Bar code # - FC #) | Canister Start Pressure "Hg | Canister End Pressure "Hg/psig | Sample Volume | X | | |

5 of 9

| | | | | | | | | | | | |
|---|--|--|--|--|--|---|--|--|--|-----------------------------------|--|
| Report Tier Levels - please select Tier I - Results (Default if not specified) _____ Tier II (Results + QC Summaries) _____ Tier III (Results + QC & Calibration Summaries) _____ Tier IV (Date Validation Package) 10% Surcharge _____ | | | | | | EDD required YES / No Type: _____ Units: _____ | | Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT | | Project Requirements (MRLs, QAPP) | |
| Relinquished by: (Signature) Ward Mitchell | | Date: 2/27/14 Time: 10:00am | | Received by: (Signature) [Signature] | | Date: 2/27/14 Time: [Time] | | Cooler / Blank Temperature _____ °C | | | |

**ALS Environmental
Sample Acceptance Check Form**

Client: Barr Engineering

Work order: P1400810

Project: Exland WI Enbridge MP-85 Site / 49/55-0029.00 Y 2014 001

Sample(s) received on: 2/28/14

Date opened: 2/28/14

by: MZAMORA

Note: This form is used for all samples received by ALS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client and/or as required by the method/SOP.

- | | Yes | No | N/A |
|--|-------------------------------------|-------------------------------------|-------------------------------------|
| 1 Were sample containers properly marked with client sample ID? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2 Container(s) supplied by ALS ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3 Did sample containers arrive in good condition? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4 Were chain-of-custody papers used and filled out? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5 Did sample container labels and/or tags agree with custody papers? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6 Was sample volume received adequate for analysis? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7 Are samples within specified holding times? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8 Was proper temperature (thermal preservation) of cooler at receipt adhered to? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 9 Was a trip blank received? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 10 Were custody seals on outside of cooler/Box? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Location of seal(s)? _____ Sealing Lid? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were signature and date included? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were seals intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were custody seals on outside of sample container? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Location of seal(s)? _____ Sealing Lid? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were signature and date included? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were seals intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 11 Do containers have appropriate preservation , according to method/SOP or Client specified information? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Is there a client indication that the submitted samples are pH preserved? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were VOA vials checked for presence/absence of air bubbles? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Does the client/method/SOP require that the analyst check the sample pH and <u>if necessary</u> alter it? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 12 Tubes: Are the tubes capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Do they contain moisture? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 13 Badges: Are the badges properly capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Are dual bed badges separated and individually capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

| Lab Sample ID | Container Description | Required pH * | Received pH | Adjusted pH | VOA Headspace (Presence/Absence) | Receipt / Preservation Comments |
|-----------------|-----------------------|---------------|-------------|-------------|----------------------------------|---------------------------------|
| P1400810-001.01 | 1.0 L Source Can | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Explain any discrepancies: (include lab sample ID numbers): _____

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: Barr Engineering

Client Project ID: Exland WI Enbridge MP-85 Site / 49/55-0029.00 Y 2014 001

ALS Project ID: P1400810

Total Petroleum Hydrocarbons (TPH) as Gasoline

Test Code: EPA TO-3 Modified
Instrument ID: HP 5890 II/GC19/FID
Analyst: Nalini Lall
Sampling Media: 1.0 L Summa Canister(s)
Test Notes:

Date(s) Collected: 2/26/14
Date Received: 2/28/14
Date Analyzed: 3/7/14

| Client Sample ID | ALS Sample ID | Canister | Injection | Result mg/m ³ | MRL mg/m ³ | Result ppmV | MRL ppmV | Data Qualifier |
|------------------|---------------|--------------------|-----------------|-----------------------------|--------------------------|----------------|-------------|-------------------|
| | | Dilution Factor | Volume ml(s) | | | | | |
| SVE Effluent | P1400810-001 | 1.73 | 1.0 | 120 | 31 | 35 | 8.8 | |
| Method Blank | P140307-MB | 1.00 | 1.0 | ND | 18 | ND | 5.1 | |

Parts Per Million results are based on a Molecular Weight of 86.18.

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: Barr Engineering

Client Project ID: Exland WI Enbridge MP-85 Site / 49/55-0029.00 Y 2014 001

ALS Project ID: P1400810

Benzene

Test Code: EPA TO-15

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9

Analyst: Simon Cao

Sample Type: 1.0 L Summa Canister(s)

Test Notes:

Date(s) Collected: 2/26/14

Date Received: 2/28/14

Date Analyzed: 3/5/14

| Client Sample ID | ALS Sample ID | Injection | Canister | Result | MRL | Result | MRL | Data |
|------------------|---------------|-----------|----------|--------|---------|--------|---------|------|
| | | Volume | Dilution | | | | | |
| | | ml(s) | Factor | | | | | |
| SVE Effluent | P1400810-001 | 15 | 1.73 | ND | 0.058 | ND | 0.018 | |
| Method Blank | P140305-MB | 1,000 | 1.00 | ND | 0.00050 | ND | 0.00016 | |

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

SURROGATE SPIKE RECOVERY RESULTS

Page 1 of 1

Client: Barr Engineering

Client Project ID: Exland WI Enbridge MP-85 Site / 49/55-0029.00 Y 2014 001

ALS Project ID: P1400810

Test Code: EPA TO-15

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9

Analyst: Simon Cao

Sample Type: 1.0 L Summa Canister(s)

Test Notes:

Date(s) Collected: 2/26/14

Date(s) Received: 2/28/14

Date(s) Analyzed: 3/5/14

| Client Sample ID | ALS Sample ID | 1,2-Dichloroethane-d4 | Toluene-d8 | Bromofluorobenzene | Acceptance Limits | Data Qualifier |
|------------------|---------------|-----------------------|-------------------|--------------------|-------------------|----------------|
| | | Percent Recovered | Percent Recovered | Percent Recovered | | |
| Method Blank | P140305-MB | 100 | 101 | 102 | 70-130 | |
| SVE Effluent | P1400810-001 | 99 | 96 | 99 | 70-130 | |

Surrogate percent recovery is verified and accepted based on the on-column result.

Reported results are shown in concentration units and as a result of the calculation, may vary slightly from the on-column percent recovery.



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LABORATORY REPORT

April 11, 2014

Hans Wronka
Barr Engineering
4700 West 77th Street
Minneapolis, MN 55435

RE: Exland WI Enbridge MP-85 Site / 49/55-0029.00Y 2014.001

Dear Hans:

Enclosed are the results of the sample submitted to our laboratory on March 31, 2014. For your reference, these analyses have been assigned our service request number P1401289.

All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP and DoD-ELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

If you have any questions, please call me at (805) 526-7161.

Respectfully submitted,

ALS | Environmental

By Samantha Henningsen at 4:22 pm, Apr 11, 2014

For Kelly Horiuchi
Laboratory Director



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www.alsglobal.com

Client: Barr Engineering Service Request No: P1401289
Project: Exland WI Enbridge MP-85 Site / 49/55-0029.00Y 2014.001

CASE NARRATIVE

The sample was received intact under chain of custody on March 31, 2014 and was stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the sample at the time of sample receipt.

Total Petroleum Hydrocarbons as Gasoline Analysis

The sample was analyzed for total petroleum hydrocarbons (TPH) as gasoline per modified EPA Method TO-3 using a gas chromatograph equipped with a flame ionization detector (FID). This procedure is described in laboratory SOP VOA-TPHG_TO3. This method is not included on the laboratory's NELAP or AIHA-LAP scope of accreditation.

Volatile Organic Compound Analysis

The sample was also analyzed for Benzene in accordance with EPA Method TO-15 from the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition (EPA/625/R-96/010b), January, 1999. This procedure is described in laboratory SOP VOA-TO15. The analytical system was comprised of a gas chromatograph / mass spectrometer (GC/MS) interfaced to a whole-air preconcentrator. This method is not included on the laboratory's AIHA-LAP scope of accreditation. Any analytes flagged with an X are not included on the laboratory's NELAP or DoD-ELAP scope of accreditation.

The Summa canister was cleaned, prior to sampling, down to the method reporting limit (MRL) reported for this project. Please note, projects which require reporting below the MRL could have results between the MRL and method detection limit (MDL) that are biased high.

The results of analyses are given in the attached laboratory report. All results are intended to be considered in their entirety, and ALS Environmental (ALS) is not responsible for utilization of less than the complete report.

Use of ALS Environmental (ALS)'s Name. Client shall not use ALS's name or trademark in any marketing or reporting materials, press releases or in any other manner ("Materials") whatsoever and shall not attribute to ALS any test result, tolerance or specification derived from ALS's data ("Attribution") without ALS's prior written consent, which may be withheld by ALS for any reason in its sole discretion. To request ALS's consent, Client shall provide copies of the proposed Materials or Attribution and describe in writing Client's proposed use of such Materials or Attribution. If ALS has not provided written approval of the Materials or Attribution within ten (10) days of receipt from Client, Client's request to use ALS's name or trademark in any Materials or Attribution shall be deemed denied. ALS may, in its discretion, reasonably charge Client for its time in reviewing Materials or Attribution requests. Client acknowledges and agrees that the unauthorized use of ALS's name or trademark may cause ALS to incur irreparable harm for which the recovery of money damages will be inadequate. Accordingly, Client acknowledges and agrees that a violation shall justify preliminary injunctive relief. For questions contact the laboratory.



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ALS Environmental – Simi Valley
 Certifications, Accreditations, and Registrations

| Agency | Web Site | Number |
|------------------------|---|----------------------------|
| AIHA | http://www.aihaaccreditedlabs.org | 101661 |
| Arizona DHS | http://www.azdhs.gov/lab/license/env.htm | AZ0694 |
| DoD ELAP | http://www.pjlabs.com/search-accredited-labs | L14-2 |
| Florida DOH (NELAP) | http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm | E871020 |
| Maine DHHS | http://www.maine.gov/dhhs/mecdc/environmental-health/water/dwp-services/labcert/labcert.htm | 2012039 |
| Minnesota DOH (NELAP) | http://www.health.state.mn.us/accreditation | 643428 |
| New Jersey DEP (NELAP) | http://www.nj.gov/dep/oqa/ | CA009 |
| New York DOH (NELAP) | http://www.wadsworth.org/labcert/elap/elap.html | 11221 |
| Oregon PHD (NELAP) | http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx | CA200007 |
| Pennsylvania DEP | http://www.depweb.state.pa.us/labs | 68-03307 (Registration) |
| Texas CEQ (NELAP) | http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html | T104704413-13-4 |
| Utah DOH (NELAP) | http://www.health.utah.gov/lab/labimp/certification/index.html | CA01627201 3-3 |
| Washington DOE | http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html | C946 |

Analyses were performed according to our laboratory's NELAP and DoD-ELAP approved quality assurance program. A complete listing of specific NELAP and DoD-ELAP certified analytes can be found in the certifications section at www.alsglobal.com, or at the accreditation body's website.

Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact the laboratory for information corresponding to a particular certification.

ALS ENVIRONMENTAL

DETAIL SUMMARY REPORT

Client: Barr Engineering
 Project ID: Exland WI Enbridge MP-85 Site / 49/55-0029.00Y 2014.001

Service Request: P1401289

Date Received: 3/31/2014
 Time Received: 10:05

| | |
|--------------------------|------------------|
| TO-3 Modified - TPHG Can | TO-15 - VOC Cans |
|--------------------------|------------------|

| Client Sample ID | Lab Code | Matrix | Date Collected | Time Collected | Container ID | Pi1 (psig) | Pf1 (psig) | TO-3 Modified - TPHG Can | TO-15 - VOC Cans |
|------------------|--------------|--------|----------------|----------------|--------------|------------|------------|--------------------------|------------------|
| SVE Effluent | P1401289-001 | Air | 3/25/2014 | 13:00 | 1SC00109 | 0.90 | 5.51 | X | X |

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 Simi Valley, California 93065
 Phone (805) 526-7161
 Fax (805) 526-7270

Requested Turnaround Time in Business Days (Surcharges) please circle
 1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10 Day-Standard

CAS Project No. **81401289**

| Company Name & Address (Reporting Information) BARR ENGINEERING 4700 W 77th STREET MINNEAPOLIS MINN | | | | Project Name Extend WI Embroider MP-2K Site | | | | CAS Contact: | | Analysis Method | Comments e.g. Actual Preservative or specific instructions |
|--|----------------------|----------------------------|----------------|--|--|-----------------------------|--------------------------------|--------------------------------------|--|-----------------|---|
| Project Manager Tom Aspic | | | | Project Number 49155-0029.009 2014.001 | | | | P.O. # / Billing Information | | | |
| Phone 952-832-2777 | | Fax 952-832-2601 | | Sampler (Print & Sign) WARD MITCHELL Ward Mitchell | | | | TPH GAS TO 15 BEZEL ONLY | | | |
| Email Address for Result Reporting JASPIE@BARR.COM | | | | Client Sample ID SJE EFFLUENT | | | | Laboratory ID Number 14054 | | | |
| Client Sample ID | Laboratory ID Number | Date Collected | Time Collected | Canister ID (Bar code # - AC, SC, etc.) | Flow Controller ID (Bar code # - FC #) | Canister Start Pressure "Hg | Canister End Pressure "Hg/psig | Sample Volume | | | |
| | | | | | | | | | | | |

Report Tier Levels - please select

Tier I - Results (Default if not specified) _____
 Tier II (Results + QC Summaries) _____
 Tier III (Results + QC & Calibration Summaries) _____
 Tier IV (Data Validation Package) 10% Surcharge _____

EDD required Yes / No
 Type: _____

Project Requirements (MRLs, QAPP)

| | | | | | |
|--|-------------------------|-------------------------|--|-------------------------|-----------------------|
| Relinquished by: (Signature) <i>Ward Mitchell</i> | Date: 3/25/14 | Time: 1:15 pm | Received by: (Signature) <i>[Signature]</i> | Date: 3/31/14 | Time: 10:25 |
| Relinquished by: (Signature) | Date: | Time: | Received by: (Signature) | Date: | Time: |

Cooler / Blank Temperature _____ °C

**ALS Environmental
Sample Acceptance Check Form**

Client: Barr Engineering

Work order: P1401289

Project: **Exland WI Enbridge MP-85 Site / 49/55-0029.00Y 2014.001**

Sample(s) received on: 3/31/2014

Date opened: 3/31/2014

by: MZAMORA

Note: This form is used for all samples received by ALS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client and/or as required by the method/SOP.

- | | Yes | No | N/A |
|--|-------------------------------------|-------------------------------------|-------------------------------------|
| 1 Were sample containers properly marked with client sample ID? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2 Container(s) supplied by ALS ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3 Did sample containers arrive in good condition? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4 Were chain-of-custody papers used and filled out? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5 Did sample container labels and/or tags agree with custody papers? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6 Was sample volume received adequate for analysis? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7 Are samples within specified holding times? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8 Was proper temperature (thermal preservation) of cooler at receipt adhered to? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 9 Was a trip blank received? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 10 Were custody seals on outside of cooler/Box? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Location of seal(s)? _____ Sealing Lid? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were signature and date included? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were seals intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were custody seals on outside of sample container? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Location of seal(s)? _____ Sealing Lid? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were signature and date included? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were seals intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 11 Do containers have appropriate preservation , according to method/SOP or Client specified information? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Is there a client indication that the submitted samples are pH preserved? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were VOA vials checked for presence/absence of air bubbles? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Does the client/method/SOP require that the analyst check the sample pH and <u>if necessary</u> alter it? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 12 Tubes: Are the tubes capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Do they contain moisture? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 13 Badges: Are the badges properly capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Are dual bed badges separated and individually capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

| Lab Sample ID | Container Description | Required pH * | Received pH | Adjusted pH | VOA Headspace (Presence/Absence) | Receipt / Preservation Comments |
|-----------------|-----------------------|---------------|-------------|-------------|-------------------------------------|------------------------------------|
| P1401289-001.01 | 1.0 L Source Can | | | | | |
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Explain any discrepancies: (include lab sample ID numbers): _____

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: Barr Engineering

Client Project ID: Exland WI Enbridge MP-85 Site / 49/55-0029.00Y 2014.001

ALS Project ID: P1401289

Total Petroleum Hydrocarbons (TPH) as Gasoline

Test Code: EPA TO-3 Modified
Instrument ID: HP 5890 II/GC19/FID
Analyst: Nalini Lall
Sampling Media: 1.0 L Summa Canister(s)
Test Notes:

Date(s) Collected: 3/25/14
Date Received: 3/31/14
Date Analyzed: 4/8/14

| Client Sample ID | ALS Sample ID | Canister | Injection | Result mg/m ³ | MRL mg/m ³ | Result ppmV | MRL ppmV | Data Qualifier |
|------------------|---------------|--------------------|-----------------|-----------------------------|--------------------------|----------------|-------------|-------------------|
| | | Dilution Factor | Volume ml(s) | | | | | |
| SVE Effluent | P1401289-001 | 1.30 | 1.0 | 170 | 23 | 47 | 6.6 | |
| Method Blank | P140408-MB | 1.00 | 1.0 | ND | 18 | ND | 5.1 | |

Parts Per Million results are based on a Molecular Weight of 86.18.

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: Barr Engineering

Client Project ID: Exland WI Enbridge MP-85 Site / 49/55-0029.00Y 2014.001

ALS Project ID: P1401289

Benzene

Test Code: EPA TO-15

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8

Analyst: Wida Ang

Sample Type: 1.0 L Summa Canister(s)

Test Notes:

Date(s) Collected: 3/25/14

Date Received: 3/31/14

Date Analyzed: 4/7/14

| Client Sample ID | ALS Sample ID | Injection | Canister | Result | MRL | Result | MRL | Data |
|------------------|---------------|-----------|----------|-------------------|-------------------|--------|---------|------|
| | | Volume | Dilution | | | | | |
| | | ml(s) | Factor | mg/m ³ | mg/m ³ | | | |
| SVE Effluent | P1401289-001 | 15 | 1.30 | ND | 0.043 | ND | 0.014 | |
| Method Blank | P140407-MB | 1,000 | 1.00 | ND | 0.00050 | ND | 0.00016 | |

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

SURROGATE SPIKE RECOVERY RESULTS

Page 1 of 1

Client: Barr Engineering

Client Project ID: Exland WI Enbridge MP-85 Site / 49/55-0029.00Y 2014.001

ALS Project ID: P1401289

Test Code: EPA TO-15

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8

Date(s) Collected: 3/25/14

Analyst: Wida Ang

Date(s) Received: 3/31/14

Sample Type: 1.0 L Summa Canister(s)

Date(s) Analyzed: 4/7/14

Test Notes:

| Client Sample ID | ALS Sample ID | 1,2-Dichloroethane-d4 | Toluene-d8 | Bromofluorobenzene | Acceptance Limits | Data Qualifier |
|------------------|---------------|-----------------------|-------------------|--------------------|-------------------|----------------|
| | | Percent Recovered | Percent Recovered | Percent Recovered | | |
| Method Blank | P140407-MB | 92 | 103 | 93 | 70-130 | |
| SVE Effluent | P1401289-001 | 89 | 94 | 83 | 70-130 | |

Surrogate percent recovery is verified and accepted based on the on-column result.

Reported results are shown in concentration units and as a result of the calculation, may vary slightly from the on-column percent recovery.



2655 Park Center Dr., Suite A
Simi Valley, CA 93065
T: +1 805 526 7161
F: +1 805 526 7270
www.alsglobal.com

LABORATORY REPORT

April 30, 2014

Hans Wronka
Barr Engineering
4700 West 77th Street
Minneapolis, MN 55435

RE: Enbridge MP-85 Exland WI / 49/55-0029.00Y.2014.001

Dear Hans:

Enclosed are the results of the sample submitted to our laboratory on April 18, 2014. For your reference, these analyses have been assigned our service request number P1401591.

All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP and DoD-ELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

If you have any questions, please call me at (805) 526-7161.

Respectfully submitted,

ALS | Environmental

By Kelly Horiuchi at 9:34 am, Apr 30, 2014

Kelly Horiuchi
Laboratory Director



2655 Park Center Dr., Suite A
Simi Valley, CA 93065
T: +1 805 526 7161
F: +1 805 526 7270
www.alsglobal.com

Client: Barr Engineering Service Request No: P1401591
Project: Enbridge MP-85 Exland WI / 49/55-0029.00Y.2014.001

CASE NARRATIVE

The sample was received intact under chain of custody on April 18, 2014 and was stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the sample at the time of sample receipt.

Total Petroleum Hydrocarbons as Gasoline Analysis

The sample was analyzed for total petroleum hydrocarbons (TPH) as gasoline per modified EPA Method TO-3 using a gas chromatograph equipped with a flame ionization detector (FID). This procedure is described in laboratory SOP VOA-TPHG_TO3. This method is not included on the laboratory's NELAP or AIHA-LAP scope of accreditation.

Volatile Organic Compound Analysis

The sample was also analyzed for Benzene in accordance with EPA Method TO-15 from the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition (EPA/625/R-96/010b), January, 1999. This procedure is described in laboratory SOP VOA-TO15. The analytical system was comprised of a gas chromatograph / mass spectrometer (GC/MS) interfaced to a whole-air preconcentrator. This method is not included on the laboratory's AIHA-LAP scope of accreditation. Any analytes flagged with an X are not included on the laboratory's NELAP or DoD-ELAP scope of accreditation.

The Summa canister was cleaned, prior to sampling, down to the method reporting limit (MRL) reported for this project. Please note, projects which require reporting below the MRL could have results between the MRL and method detection limit (MDL) that are biased high.

The results of analyses are given in the attached laboratory report. All results are intended to be considered in their entirety, and ALS Environmental (ALS) is not responsible for utilization of less than the complete report.

Use of ALS Environmental (ALS)'s Name. Client shall not use ALS's name or trademark in any marketing or reporting materials, press releases or in any other manner ("Materials") whatsoever and shall not attribute to ALS any test result, tolerance or specification derived from ALS's data ("Attribution") without ALS's prior written consent, which may be withheld by ALS for any reason in its sole discretion. To request ALS's consent, Client shall provide copies of the proposed Materials or Attribution and describe in writing Client's proposed use of such Materials or Attribution. If ALS has not provided written approval of the Materials or Attribution within ten (10) days of receipt from Client, Client's request to use ALS's name or trademark in any Materials or Attribution shall be deemed denied. ALS may, in its discretion, reasonably charge Client for its time in reviewing Materials or Attribution requests. Client acknowledges and agrees that the unauthorized use of ALS's name or trademark may cause ALS to incur irreparable harm for which the recovery of money damages will be inadequate. Accordingly, Client acknowledges and agrees that a violation shall justify preliminary injunctive relief. For questions contact the laboratory.



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 Simi Valley, CA 93065
 T: +1 805 526 7161
 F: +1 805 526 7270
www.alsglobal.com

ALS Environmental – Simi Valley
 Certifications, Accreditations, and Registrations

| Agency | Web Site | Number |
|------------------------|---|-------------------------|
| AIHA | http://www.aihaaccreditedlabs.org | 101661 |
| Arizona DHS | http://www.azdhs.gov/lab/license/env.htm | AZ0694 |
| DoD ELAP | http://www.pjlabs.com/search-accredited-labs | L14-2 |
| Florida DOH (NELAP) | http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm | E871020 |
| Maine DHHS | http://www.maine.gov/dhhs/mecdc/environmental-health/water/dwp-services/labcert/labcert.htm | 2012039 |
| Minnesota DOH (NELAP) | http://www.health.state.mn.us/accreditation | 643428 |
| New Jersey DEP (NELAP) | http://www.nj.gov/dep/oqa/ | CA009 |
| New York DOH (NELAP) | http://www.wadsworth.org/labcert/elap/elap.html | 11221 |
| Oregon PHD (NELAP) | http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx | CA200007 |
| Pennsylvania DEP | http://www.depweb.state.pa.us/labs | 68-03307 (Registration) |
| Texas CEQ (NELAP) | http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html | T104704413-13-4 |
| Utah DOH (NELAP) | http://www.health.utah.gov/lab/labimp/certification/index.html | CA01627201 3-3 |
| Washington DOE | http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html | C946 |

Analyses were performed according to our laboratory's NELAP and DoD-ELAP approved quality assurance program. A complete listing of specific NELAP and DoD-ELAP certified analytes can be found in the certifications section at www.alsglobal.com, or at the accreditation body's website.

Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact the laboratory for information corresponding to a particular certification.

ALS ENVIRONMENTAL

DETAIL SUMMARY REPORT

Client: Barr Engineering
 Project ID: Enbridge MP-85 Exland WI / 49/55-0029.00Y.2014.001

Service Request: P1401591

Date Received: 4/18/2014
 Time Received: 09:56

| | |
|--------------------------|------------------|
| TO-3 Modified - TPHG Can | TO-15 - VOC Cans |
|--------------------------|------------------|

| Client Sample ID | Lab Code | Matrix | Date Collected | Time Collected | Container ID | Pi1 (psig) | Pf1 (psig) | TO-3 Modified - TPHG Can | TO-15 - VOC Cans |
|------------------|--------------|--------|----------------|----------------|--------------|------------|------------|--------------------------|------------------|
| SVE EFFLUENT | P1401591-001 | Air | 4/16/2014 | 12:45 | 1SC01159 | 0.02 | 5.66 | X | X |



Air - Chain of Custody Record & Analytical Service Request

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

Requested Turnaround Time in Business Days (Surcharges) please circle
1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10-Day-Standard

ALS Project No
P1401591

| | | | | | |
|--|----------------------------|--|--|---|--|
| Company Name & Address (Reporting Information) <u>BARR Engineering</u> <u>4700 W 77th St.</u> <u>Minneapolis Minn</u> | | Project Name <u>Enterprise MP-85 Finland WI</u> | | ALS Contact: | |
| Project Manager <u>Jon Aspia</u> | | Project Number <u>49185 -0029-007-2014.001</u> | | Analysis Method | |
| Phone <u>952-832-2772</u> | Fax <u>952-832-2601</u> | P.O. # / Billing Information | | Comments e.g. Actual Preservative or specific instructions TP+ GAS TO15 BEACON ONLY X | |
| Email Address for Result Reporting <u>Jaspia@Barr.com</u> | | Sampler (Print & Sign) | | | |

| Client Sample ID | Laboratory ID Number | Date Collected | Time Collected | Canister ID (Bar code # - AC, SC, etc.) | Flow Controller ID (Bar code # - FC #) | Canister Start Pressure "Hg | Canister End Pressure "Hg/psig | Sample Volume | | |
|---------------------|----------------------|----------------|----------------|---|--|-----------------------------|--------------------------------|---------------|--|--|
| <u>SUE EFFLUENT</u> | <u>010.75</u> | <u>4/10/14</u> | <u>12:45</u> | | | | | | | |
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|---|----------------------|---|--|-----------------------------------|-------------------|-------------------------------------|
| Report Tier Levels - please select Tier I - Results (Default in not specified) _____ Tier II (Results + QC Summaries) _____ Tier III (Results + QC & Calibration Summaries) _____ Tier IV (Date Validation Package) 10% Surcharge _____ | | EDD required YES / No Type: _____ Units: _____ | Chain of Custody Seal: (Circle) INTACT BROKEN <u>ABSENT</u> | Project Requirements (MRLs, QAPP) | | |
| Relinquished by: (Signature) <u>Walt J. [Signature]</u> | Date: <u>4/10/14</u> | Time: <u>12:45</u> | Received by: (Signature) <u>[Signature]</u> | Date: <u>4/18/14</u> | Time: <u>0956</u> | Cooler / Blank Temperature _____ °C |
| Relinquished by: (Signature) | Date: | Time: | Received by: (Signature) | Date: | Time: | |

5 of 9

Columbia Analytical Services, Inc.
Sample Acceptance Check Form

Client: Barr Engineering

Work order: P1401591

Project: Enbridge MP-85 Exland WI / 49/55-0029.00Y.2014.001

Sample(s) received on: 4/18/14

Date opened: 4/18/14

by: GGUTIERREZ

Note: This form is used for all samples received by CAS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client and/or as required by the method/SOP.

- | | Yes | No | N/A |
|--|-------------------------------------|-------------------------------------|-------------------------------------|
| 1 Were sample containers properly marked with client sample ID? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2 Container(s) supplied by CAS ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3 Did sample containers arrive in good condition? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4 Were chain-of-custody papers used and filled out? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 5 Did sample container labels and/or tags agree with custody papers? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6 Was sample volume received adequate for analysis? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7 Are samples within specified holding times? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8 Was proper temperature (thermal preservation) of cooler at receipt adhered to? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 9 Was a trip blank received? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 10 Were custody seals on outside of cooler/Box? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Location of seal(s)? _____ Sealing Lid? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were signature and date included? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were seals intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were custody seals on outside of sample container? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Location of seal(s)? _____ Sealing Lid? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were signature and date included? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were seals intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 11 Do containers have appropriate preservation , according to method/SOP or Client specified information? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Is there a client indication that the submitted samples are pH preserved? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were VOA vials checked for presence/absence of air bubbles? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Does the client/method/SOP require that the analyst check the sample pH and <u>if necessary</u> alter it? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 12 Tubes: Are the tubes capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Do they contain moisture? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 13 Badges: Are the badges properly capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Are dual bed badges separated and individually capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

| Lab Sample ID | Container Description | Required pH * | Received pH | Adjusted pH | VOA Headspace (Presence/Absence) | Receipt / Preservation Comments |
|-----------------|-----------------------|---------------|-------------|-------------|----------------------------------|---------------------------------|
| P1401591-001.01 | 1.0 L Source Can | | | | | |
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Explain any discrepancies: (include lab sample ID numbers): _____

Chain of Custody is missing sampler's signature _____

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: Barr Engineering

Client Project ID: Enbridge MP-85 Exland WI / 49/55-0029.00Y.2014.001

ALS Project ID: P1401591

Total Petroleum Hydrocarbons (TPH) as Gasoline

Test Code: EPA TO-3 Modified
 Instrument ID: HP 5890 II/GC19/FID
 Analyst: Nalini Lall
 Sampling Media: 1.0 L Summa Canister(s)
 Test Notes:

Date(s) Collected: 4/16/14
 Date Received: 4/18/14
 Date Analyzed: 4/23/14

| Client Sample ID | ALS Sample ID | Canister | Injection | Result mg/m ³ | MRL mg/m ³ | Result ppmV | MRL ppmV | Data Qualifier |
|------------------|---------------|--------------------|-----------------|-----------------------------|--------------------------|----------------|-------------|-------------------|
| | | Dilution Factor | Volume ml(s) | | | | | |
| SVE EFFLUENT | P1401591-001 | 1.38 | 1.0 | 50 | 25 | 14 | 7.1 | |
| Method Blank | P140423-MB | 1.00 | 1.0 | ND | 18 | ND | 5.1 | |

Parts Per Million results are based on a Molecular Weight of 86.18.

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: Barr Engineering
Client Project ID: Enbridge MP-85 Exland WI / 49/55-0029.00Y.2014.001

ALS Project ID: P1401591

Benzene

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Simon Cao
Sample Type: 1.0 L Summa Canister(s)
Test Notes:

Date(s) Collected: 4/16/14
Date Received: 4/18/14
Date Analyzed: 4/22 - 4/23/14

| Client Sample ID | ALS Sample ID | Injection | Canister | Result | MRL | Result | MRL | Data |
|------------------|---------------|-----------|----------|-------------------|-------------------|--------|---------|-----------|
| | | Volume | Dilution | | | | | |
| | | ml(s) | Factor | mg/m ³ | mg/m ³ | ppmV | ppmV | Qualifier |
| SVE EFFLUENT | P1401591-001 | 100 | 1.38 | ND | 0.0069 | ND | 0.0022 | |
| Method Blank | P140422-MB | 1,000 | 1.00 | ND | 0.00050 | ND | 0.00016 | |

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

SURROGATE SPIKE RECOVERY RESULTS

Page 1 of 1

Client: Barr Engineering
Client Project ID: Enbridge MP-85 Exland WI / 49/55-0029.00Y.2014.001

ALS Project ID: P1401591

Test Code: EPA TO-15
 Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
 Analyst: Simon Cao
 Sample Type: 1.0 L Summa Canister(s)
 Test Notes:

Date(s) Collected: 4/16/14
 Date(s) Received: 4/18/14
 Date(s) Analyzed: 4/22 - 4/23/14

| Client Sample ID | ALS Sample ID | 1,2-Dichloroethane-d4 | Toluene-d8 | Bromofluorobenzene | Acceptance Limits | Data Qualifier |
|------------------|---------------|-----------------------|-------------------|--------------------|-------------------|----------------|
| | | Percent Recovered | Percent Recovered | Percent Recovered | | |
| Method Blank | P140422-MB | 107 | 97 | 97 | 70-130 | |
| SVE EFFLUENT | P1401591-001 | 107 | 83 | 84 | 70-130 | |

Surrogate percent recovery is verified and accepted based on the on-column result.

Reported results are shown in concentration units and as a result of the calculation, may vary slightly from the on-column percent recovery.



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LABORATORY REPORT

May 30, 2014

Hans Wronka
Barr Engineering
4700 West 77th Street
Minneapolis, MN 55435

RE: Enbridge MP-85 Exland WI / 49/55-0029.004 2014.001

Dear Hans:

Enclosed are the results of the sample submitted to our laboratory on May 20, 2014. For your reference, these analyses have been assigned our service request number P1402020.

All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP and DoD-ELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

If you have any questions, please call me at (805) 526-7161.

Respectfully submitted,

ALS | Environmental

By Kelly Horiuchi at 4:15 pm, May 30, 2014

Kelly Horiuchi
Laboratory Director



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www.alsglobal.com

Client: Barr Engineering Service Request No: P1402020
Project: Enbridge MP-85 Exland WI / 49/55-0029.004 2014.001

CASE NARRATIVE

The sample was received intact under chain of custody on May 20, 2014 and was stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the sample at the time of sample receipt.

Total Petroleum Hydrocarbons as Gasoline Analysis

The sample was analyzed for total petroleum hydrocarbons (TPH) as gasoline per modified EPA Method TO-3 using a gas chromatograph equipped with a flame ionization detector (FID). This procedure is described in laboratory SOP VOA-TPHG_TO3. This method is not included on the laboratory's NELAP or AIHA-LAP scope of accreditation.

Volatile Organic Compound Analysis

The sample was also analyzed for Benzene in accordance with EPA Method TO-15 from the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition (EPA/625/R-96/010b), January, 1999. This procedure is described in laboratory SOP VOA-TO15. The analytical system was comprised of a gas chromatograph / mass spectrometer (GC/MS) interfaced to a whole-air preconcentrator. This method is not included on the laboratory's AIHA-LAP scope of accreditation. Any analytes flagged with an X are not included on the laboratory's NELAP or DoD-ELAP scope of accreditation.

The Summa canister was cleaned, prior to sampling, down to the method reporting limit (MRL) reported for this project. Please note, projects which require reporting below the MRL could have results between the MRL and method detection limit (MDL) that are biased high.

The results of analyses are given in the attached laboratory report. All results are intended to be considered in their entirety, and ALS Environmental (ALS) is not responsible for utilization of less than the complete report.

Use of ALS Environmental (ALS)'s Name. Client shall not use ALS's name or trademark in any marketing or reporting materials, press releases or in any other manner ("Materials") whatsoever and shall not attribute to ALS any test result, tolerance or specification derived from ALS's data ("Attribution") without ALS's prior written consent, which may be withheld by ALS for any reason in its sole discretion. To request ALS's consent, Client shall provide copies of the proposed Materials or Attribution and describe in writing Client's proposed use of such Materials or Attribution. If ALS has not provided written approval of the Materials or Attribution within ten (10) days of receipt from Client, Client's request to use ALS's name or trademark in any Materials or Attribution shall be deemed denied. ALS may, in its discretion, reasonably charge Client for its time in reviewing Materials or Attribution requests. Client acknowledges and agrees that the unauthorized use of ALS's name or trademark may cause ALS to incur irreparable harm for which the recovery of money damages will be inadequate. Accordingly, Client acknowledges and agrees that a violation shall justify preliminary injunctive relief. For questions contact the laboratory.



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ALS Environmental – Simi Valley
 Certifications, Accreditations, and Registrations

| Agency | Web Site | Number |
|------------------------|---|----------------------------|
| AIHA | http://www.aihaaccreditedlabs.org | 101661 |
| Arizona DHS | http://www.azdhs.gov/lab/license/env.htm | AZ0694 |
| DoD ELAP | http://www.pjlabs.com/search-accredited-labs | L14-2 |
| Florida DOH (NELAP) | http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm | E871020 |
| Maine DHHS | http://www.maine.gov/dhhs/mecdc/environmental-health/water/dwp-services/labcert/labcert.htm | 2012039 |
| Minnesota DOH (NELAP) | http://www.health.state.mn.us/accreditation | 643428 |
| New Jersey DEP (NELAP) | http://www.nj.gov/dep/oqa/ | CA009 |
| New York DOH (NELAP) | http://www.wadsworth.org/labcert/elap/elap.html | 11221 |
| Oregon PHD (NELAP) | http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx | CA200007 |
| Pennsylvania DEP | http://www.depweb.state.pa.us/labs | 68-03307 (Registration) |
| Texas CEQ (NELAP) | http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html | T104704413-13-4 |
| Utah DOH (NELAP) | http://www.health.utah.gov/lab/labimp/certification/index.html | CA01627201 3-3 |
| Washington DOE | http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html | C946 |

Analyses were performed according to our laboratory's NELAP and DoD-ELAP approved quality assurance program. A complete listing of specific NELAP and DoD-ELAP certified analytes can be found in the certifications section at www.alsglobal.com, or at the accreditation body's website.

Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact the laboratory for information corresponding to a particular certification.

ALS ENVIRONMENTAL

DETAIL SUMMARY REPORT

Client: Barr Engineering
 Project ID: Enbridge MP-85 Exland WI / 49/55-0029.004 2014.001

Service Request: P1402020

Date Received: 5/20/2014
 Time Received: 09:55

| |
|--------------------------|
| TO-3 Modified - TPHG Can |
| TO-15 - VOC Cans |

| Client Sample ID | Lab Code | Matrix | Date Collected | Time Collected | Container ID | Pi1 (psig) | Pf1 (psig) | TO-3 Modified - TPHG Can | TO-15 - VOC Cans |
|------------------|--------------|--------|----------------|----------------|--------------|------------|------------|--------------------------|------------------|
| SVE Effluent | P1402020-001 | Air | 5/15/2014 | 12:30 | 1SC00225 | -2.72 | 5.81 | X | X |



Air - Chain of Custody Record & Analytical Service Request

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 Fax (805) 526-7270

Requested Turnaround Time in Business Days (Surcharges) please circle
 1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10-Day-Standard

ALS Project No. 81402020

| Company Name & Address (Reporting information) BARR ENGINEERING 4700 W. 77th ST Minneapolis, Minn | | | | Project Name ENbridge MP85 Exline WI | | | | | ALS Contact: | | Comments e.g. Actual Preservative or specific instructions |
|---|----------------------|----------------|----------------|---|--|-----------------------------|--------------------------------|--|--|-----------------------------------|---|
| | | | | | | | | | Analysis Method | | |
| Project Manager Jan Aspie | | | | Project Number 49/55-0029-004 2014.001 | | | | | TH+GAS TO 15 Benzene only | | |
| Phone 952-832-2772 | | | | P.O. # / Billing Information | | | | | | | |
| Fax 952-832-2601 | | | | Sampler (Print & Sign) | | | | | | | |
| Email Address for Result Reporting Jaspie@barr.com | | | | | | | | | | | |
| Client Sample ID | Laboratory ID Number | Date Collected | Time Collected | Canister ID (Bar code # - AC, SC, etc.) | Flow Controller ID (Bar code # - FC #) | Canister Start Pressure "Hg | Canister End Pressure "Hg/psig | Sample Volume | | | |
| SURF EFFLUENT | 0-2.69 | 5/15/14 | 12:30 | 1SC00225 | ALG 02442 | -14.30 | | 1.0L | X | | |
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| Report Tier Levels - please select | | | | | | | | | | | |
| Tier I - Results (Default in not specified) _____ | | | | Tier III (Results + QC & Calibration Summaries) _____ | | | | Chain of Custody Seal: (Circle) | | Project Requirements (MRLs, QAPP) | |
| Tier II (Results + QC Summaries) _____ | | | | Tier IV (Date Validation Package) 10% Surcharge _____ | | | | EDD required YES / No Type: _____ Units: _____ INTACT <input type="checkbox"/> BROKEN <input type="checkbox"/> ABSENT <input checked="" type="checkbox"/> | | | |
| Relinquished by: (Signature) <i>[Signature]</i> | | | | Date: 5/16/14 | | Time: 10:00 am | | Received by: (Signature) <i>[Signature]</i> | | Date: 5/20/14 | Time: 09:55 |
| Relinquished by: (Signature) | | | | Date: | | Time: | | Received by: (Signature) | | Date: | Time: |
| Cooler / Blank Temperature _____ °C | | | | | | | | | | | |

5 of 9

**ALS Environmental
Sample Acceptance Check Form**

Client: Barr Engineering

Work order: P1402020

Project: Enbridge MP-85 Exland WI / 49/55-0029.004 2014.001

Sample(s) received on: 5/20/14

Date opened: 5/20/14

by: RMARTENIES

Note: This form is used for all samples received by ALS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client and/or as required by the method/SOP.

- | | Yes | No | N/A |
|--|-------------------------------------|-------------------------------------|-------------------------------------|
| 1 Were sample containers properly marked with client sample ID? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2 Container(s) supplied by ALS ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3 Did sample containers arrive in good condition? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4 Were chain-of-custody papers used and filled out? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5 Did sample container labels and/or tags agree with custody papers? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6 Was sample volume received adequate for analysis? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7 Are samples within specified holding times? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8 Was proper temperature (thermal preservation) of cooler at receipt adhered to? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 9 Was a trip blank received? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 10 Were custody seals on outside of cooler/Box? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Location of seal(s)? _____ Sealing Lid? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were signature and date included? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were seals intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were custody seals on outside of sample container? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Location of seal(s)? _____ Sealing Lid? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were signature and date included? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were seals intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 11 Do containers have appropriate preservation , according to method/SOP or Client specified information? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Is there a client indication that the submitted samples are pH preserved? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were VOA vials checked for presence/absence of air bubbles? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Does the client/method/SOP require that the analyst check the sample pH and <u>if necessary</u> alter it? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 12 Tubes: Are the tubes capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Do they contain moisture? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 13 Badges: Are the badges properly capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Are dual bed badges separated and individually capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

| Lab Sample ID | Container Description | Required pH * | Received pH | Adjusted pH | VOA Headspace (Presence/Absence) | Receipt / Preservation Comments |
|-----------------|-----------------------|---------------|-------------|-------------|----------------------------------|---------------------------------|
| P1402020-001.01 | 1.0 L Source Can | | | | | |
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Explain any discrepancies: (include lab sample ID numbers): _____

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: Barr Engineering

Client Project ID: Enbridge MP-85 Exland WI / 49/55-0029.004 2014.001

ALS Project ID: P1402020

Total Petroleum Hydrocarbons (TPH) as Gasoline

Test Code: EPA TO-3 Modified
 Instrument ID: HP 5890 II/GC19/FID
 Analyst: Nalini Lall
 Sampling Media: 1.0 L Summa Canister(s)
 Test Notes:

Date(s) Collected: 5/15/14
 Date Received: 5/20/14
 Date Analyzed: 5/28/14

| Client Sample ID | ALS Sample ID | Canister | Injection | Result | MRL | Result | MRL | Data |
|------------------|---------------|----------|-----------|-------------------|-------------------|--------|-----|------|
| | | Dilution | Volume | | | | | |
| | | Factor | ml(s) | mg/m ³ | mg/m ³ | | | |
| SVE Effluent | P1402020-001 | 1.71 | 1.0 | ND | 31 | ND | 8.7 | |
| Method Blank | P140528-MB | 1.00 | 1.0 | ND | 18 | ND | 5.1 | |

Parts Per Million results are based on a Molecular Weight of 86.18.

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: Barr Engineering
Client Project ID: Enbridge MP-85 Exland WI / 49/55-0029.004 2014.001

ALS Project ID: P1402020

Benzene

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Analyst: Elsa Moctezuma
Sample Type: 1.0 L Summa Canister(s)
Test Notes:

Date(s) Collected: 5/15/14
Date Received: 5/20/14
Date Analyzed: 5/22/14

| Client Sample ID | ALS Sample ID | Injection | Canister | Result | MRL | Result | MRL | Data |
|------------------|---------------|-----------------|--------------------|-------------------|-------------------|--------|---------|-----------|
| | | Volume ml(s) | Dilution Factor | mg/m ³ | mg/m ³ | ppmV | ppmV | Qualifier |
| SVE Effluent | P1402020-001 | 400 | 1.71 | ND | 0.0021 | ND | 0.00067 | |
| Method Blank | P140522-MB | 1,000 | 1.00 | ND | 0.00050 | ND | 0.00016 | |

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

SURROGATE SPIKE RECOVERY RESULTS

Page 1 of 1

Client: Barr Engineering
Client Project ID: Enbridge MP-85 Exland WI / 49/55-0029.004 2014.001

ALS Project ID: P1402020

Test Code: EPA TO-15
 Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
 Analyst: Elsa Moctezuma
 Sample Type: 1.0 L Summa Canister(s)
 Test Notes:

Date(s) Collected: 5/15/14
 Date(s) Received: 5/20/14
 Date(s) Analyzed: 5/22/14

| Client Sample ID | ALS Sample ID | 1,2-Dichloroethane-d4 | Toluene-d8 | Bromofluorobenzene | Acceptance Limits | Data Qualifier |
|------------------|---------------|-----------------------|-------------------|--------------------|-------------------|----------------|
| | | Percent Recovered | Percent Recovered | Percent Recovered | | |
| Method Blank | P140522-MB | 81 | 105 | 115 | 70-130 | |
| SVE Effluent | P1402020-001 | 82 | 100 | 111 | 70-130 | |

Surrogate percent recovery is verified and accepted based on the on-column result.

Reported results are shown in concentration units and as a result of the calculation, may vary slightly from the on-column percent recovery.



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LABORATORY REPORT

June 26, 2014

Hans Wronka
Barr Engineering
4700 West 77th Street
Minneapolis, MN 55435

RE: Enbridge MP-85 Exland Wi / 49/55-0029-00Y 2014.001

Dear Hans:

Enclosed are the results of the sample submitted to our laboratory on June 13, 2014. For your reference, these analyses have been assigned our service request number P1402389.

All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP and DoD-ELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

If you have any questions, please call me at (805) 526-7161.

Respectfully submitted,

ALS | Environmental

By Kelly Horiuchi at 1:13 pm, Jun 26, 2014

Kelly Horiuchi
Laboratory Director



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F: +1 805 526 7270
www.alsglobal.com

Client: Barr Engineering Service Request No: P1402389
Project: Enbridge MP-85 Exland Wi / 49/55-0029-00Y 2014.001

CASE NARRATIVE

The sample was received intact under chain of custody on June 13, 2014 and was stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the sample at the time of sample receipt.

The date collected has been updated to June 9, 2014 and was confirmed by the field sampler.

Total Petroleum Hydrocarbons as Gasoline Analysis

The sample was analyzed for total petroleum hydrocarbons (TPH) as gasoline per modified EPA Method TO-3 using a gas chromatograph equipped with a flame ionization detector (FID). This procedure is described in laboratory SOP VOA-TPHG_TO3. This method is not included on the laboratory's NELAP or AIHA-LAP scope of accreditation.

Manual integration of the chromatographic range in samples with a reported concentration was required to correct the integration performed by the automated data processing program. The raw data states the rationale for the manual integration.

Volatile Organic Compound Analysis

The sample was also analyzed for volatile organic compounds in accordance with EPA Method TO-15 from the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition (EPA/625/R-96/010b), January, 1999. This procedure is described in laboratory SOP VOA-TO15. The analytical system was comprised of a gas chromatograph / mass spectrometer (GC/MS) interfaced to a whole-air preconcentrator. This method is not included on the laboratory's AIHA-LAP scope of accreditation. Any analytes flagged with an X are not included on the laboratory's NELAP or DoD-ELAP scope of accreditation.

The Summa canisters were cleaned, prior to sampling, down to the method reporting limit (MRL) reported for this project. Please note, projects which require reporting below the MRL could have results between the MRL and method detection limit (MDL) that are biased high.

The results of analyses are given in the attached laboratory report. All results are intended to be considered in their entirety, and ALS Environmental (ALS) is not responsible for utilization of less than the complete report.

Use of ALS Environmental (ALS)'s Name. Client shall not use ALS's name or trademark in any marketing or reporting materials, press releases or in any other manner ("Materials") whatsoever and shall not attribute to ALS any test result, tolerance or specification derived from ALS's data ("Attribution") without ALS's prior written consent, which may be withheld by ALS for any reason in its sole discretion. To request ALS's consent, Client shall provide copies of the proposed Materials or Attribution and describe in writing Client's proposed use of such Materials or Attribution. If ALS has not provided written approval of the Materials or Attribution within ten (10) days of receipt from Client, Client's request to use ALS's name or trademark in any Materials or Attribution shall be deemed denied. ALS may, in its discretion, reasonably charge Client for its time in reviewing Materials or Attribution requests. Client acknowledges and agrees that the unauthorized use of ALS's name or trademark may cause ALS to incur irreparable harm for which the recovery of money damages will be inadequate. Accordingly, Client acknowledges and agrees that a violation shall justify preliminary injunctive relief. For questions contact the laboratory.



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ALS Environmental – Simi Valley
 Certifications, Accreditations, and Registrations

| Agency | Web Site | Number |
|------------------------|---|----------------------------|
| AIHA | http://www.aihaaccreditedlabs.org | 101661 |
| Arizona DHS | http://www.azdhs.gov/lab/license/env.htm | AZ0694 |
| DoD ELAP | http://www.pjlabs.com/search-accredited-labs | L11-203 |
| Florida DOH (NELAP) | http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm | E871020 |
| Maine DHHS | http://www.maine.gov/dhhs/mecdc/environmental-health/water/dwp-services/labcert/labcert.htm | 2012039 |
| Minnesota DOH (NELAP) | http://www.health.state.mn.us/accreditation | 494864 |
| New Jersey DEP (NELAP) | http://www.nj.gov/dep/oqa/ | CA009 |
| New York DOH (NELAP) | http://www.wadsworth.org/labcert/elap/elap.html | 11221 |
| Oregon PHD (NELAP) | http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx | CA200007 |
| Pennsylvania DEP | http://www.depweb.state.pa.us/labs | 68-03307 (Registration) |
| Texas CEQ (NELAP) | http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html | T104704413-13-4 |
| Utah DOH (NELAP) | http://www.health.utah.gov/lab/labimp/certification/index.html | CA01627201 3-3 |
| Washington DOE | http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html | C946 |

Analyses were performed according to our laboratory's NELAP and DoD-ELAP approved quality assurance program. A complete listing of specific NELAP and DoD-ELAP certified analytes can be found in the certifications section at www.alsglobal.com, or at the accreditation body's website.

Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact the laboratory for information corresponding to a particular certification.

ALS ENVIRONMENTAL

DETAIL SUMMARY REPORT

Client: Barr Engineering
 Project ID: Enbridge MP-85 Exland Wi / 49/55-0029-00Y 2014.001

Service Request: P1402389

Date Received: 6/13/2014
 Time Received: 10:00

| | |
|--------------------------|------------------|
| TO-3 Modified - TPHG Can | TO-15 - VOC Cans |
|--------------------------|------------------|

| Client Sample ID | Lab Code | Matrix | Date Collected | Time Collected | Container ID | Pi1 (psig) | Pf1 (psig) | TO-3 Modified - TPHG Can | TO-15 - VOC Cans |
|------------------|--------------|--------|----------------|----------------|--------------|------------|------------|--------------------------|------------------|
| SVE EFFLUENT | P1402389-001 | Air | 6/9/2014 | 14:00 | 1SC00531 | 0.00 | 5.80 | X | X |



Air - Chain of Custody Record & Analytical Service Request

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

Requested Turnaround Time in Business Days (Surcharges) please circle
1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) **10-Day-Standard**

ALS Project No **P1402389**

| Company Name & Address (Reporting Information) Barr Engineering 4700 West 77th St Minneapolis Minn | | | | Project Name Enbridge MP85 Exland WI | | | | ALS Contact: | | Analysis Method | Comments e.g. Actual Preservative or specific instructions | |
|---|----------------------|----------------------------|---------------------|--|---|-----------------------------|--------------------------------|-------------------------------|-------------------------------------|---|--|-----------------------------------|
| Project Manager Jon Aspica | | | | Project Number 49/55-0029-007 2014.001 | | | | TPH GAS TO 15 Benzene only | | | | |
| Phone 952-832-2777 | | Fax 952-832-2601 | | P.O. # / Billing Information | | | | | | | | |
| Email Address for Result Reporting Jaspica@Barr.com | | | | Sampler (Print & Sign) | | | | | | | | |
| Client Sample ID | Laboratory ID Number | Date Collected | Time Collected | Canister ID (Bar code # - AC, SC, etc.) | Flow Controller ID (Bar code # - FC #) | Canister Start Pressure "Hg | Canister End Pressure "Hg/psig | Sample Volume | | | | |
| SUA ECCLUMT | | 4/9/14 | 2:00 | 1SC00531 | AUG 03046 | -14.35 | | 1c | <input checked="" type="checkbox"/> | +0.09 | | |
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| Report Tier Levels - please select Tier I - Results (Default in not specified) _____ Tier II (Results + QC Summaries) _____ Tier III (Results + QC & Calibration Summaries) _____ Tier IV (Date Validation Package) 10% Surcharge _____ | | | | | | | | | | EDD required YES / No Type: _____ Units: _____ | Chain of Custody Seal: (Circle) INTACT <input type="checkbox"/> BROKEN <input type="checkbox"/> ABSENT <input type="checkbox"/> | Project Requirements (MRLs, QAPP) |
| Relinquished by: (Signature) <i>[Signature]</i> | | | Date: 4/9/14 | Time: 2:50 PM | Received by: (Signature) <i>[Signature]</i> | | | Date: 4/9/14 | Time: 1:00 | Cooler / Blank Temperature _____ °C | | |
| Refiniquished by: (Signature) | | | Date: | Time: | Received by: (Signature) | | | Date: | Time: | | | |

**ALS Environmental
Sample Acceptance Check Form**

Client: Barr Engineering

Work order: P1402389

Project: MP-85 Site Exland Wi / 49/55-0029-004 2014.001

Sample(s) received on: 6/13/14

Date opened: 6/13/14

by: KKELPE

Note: This form is used for all samples received by ALS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client and/or as required by the method/SOP.

- | | Yes | No | N/A |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1 Were sample containers properly marked with client sample ID? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2 Container(s) supplied by ALS ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3 Did sample containers arrive in good condition? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4 Were chain-of-custody papers used and filled out? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5 Did sample container labels and/or tags agree with custody papers? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6 Was sample volume received adequate for analysis? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7 Are samples within specified holding times? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 8 Was proper temperature (thermal preservation) of cooler at receipt adhered to? Cooler Temperature: 3° C Blank Temperature: ° C | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 9 Was a trip blank received? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 10 Were custody seals on outside of cooler/Box? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Location of seal(s)? _____ Sealing Lid? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were signature and date included? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were seals intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were custody seals on outside of sample container? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Location of seal(s)? _____ Sealing Lid? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were signature and date included? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were seals intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 11 Do containers have appropriate preservation , according to method/SOP or Client specified information? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Is there a client indication that the submitted samples are pH preserved? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were VOA vials checked for presence/absence of air bubbles? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Does the client/method/SOP require that the analyst check the sample pH and <u>if necessary</u> alter it? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 12 Tubes: Are the tubes capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Do they contain moisture? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 13 Badges: Are the badges properly capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Are dual bed badges separated and individually capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

| Lab Sample ID | Container Description | Required pH * | Received pH | Adjusted pH | VOA Headspace (Presence/Absence) | Receipt / Preservation Comments |
|-----------------|-----------------------|---------------|-------------|-------------|----------------------------------|---------------------------------|
| P1402389-001.01 | 1.0 L Source Can | | | | | |
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Explain any discrepancies: (include lab sample ID numbers): _____

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: Barr Engineering

Client Project ID: Enbridge MP-85 Exland Wi / 49/55-0029-00Y 2014.001

ALS Project ID: P1402389

Total Petroleum Hydrocarbons (TPH) as Gasoline

Test Code: EPA TO-3 Modified
Instrument ID: HP 5890 II/GC19/FID
Analyst: Nalini Lall
Sampling Media: 1.0 L Summa Canister(s)
Test Notes:

Date(s) Collected: 6/9/14
Date Received: 6/13/14
Date Analyzed: 6/19/14

| Client Sample ID | ALS Sample ID | Canister Dilution Factor | Injection Volume ml(s) | Result mg/m ³ | MRL mg/m ³ | Result ppmV | MRL ppmV | Data Qualifier |
|------------------|---------------|--------------------------|------------------------|--------------------------|-----------------------|-------------|----------|----------------|
| SVE EFFLUENT | P1402389-001 | 1.39 | 1.0 | ND | 25 | ND | 7.1 | |
| Method Blank | P140619-MB | 1.00 | 1.0 | ND | 18 | ND | 5.1 | |

Parts Per Million results are based on a Molecular Weight of 86.18.

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: Barr Engineering
Client Project ID: Enbridge MP-85 Exland Wi / 49/55-0029-00Y 2014.001

ALS Project ID: P1402389

Benzene

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Simon Cao
Sample Type: 1.0 L Summa Canister(s)
Test Notes:

Date(s) Collected: 6/9/14
Date Received: 6/13/14
Date Analyzed: 6/16/14

| Client Sample ID | ALS Sample ID | Injection | Canister | Result | MRL | Result | MRL | Data |
|------------------|---------------|-----------|----------|--------|-------------------|--------|---------|------|
| | | Volume | Dilution | | | | | |
| | | ml(s) | Factor | | mg/m ³ | | ppmV | |
| SVE EFFLUENT | P1402389-001 | 400 | 1.39 | ND | 0.0017 | ND | 0.00054 | |
| Method Blank | P140616-MB | 1,000 | 1.00 | ND | 0.00050 | ND | 0.00016 | |

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

SURROGATE SPIKE RECOVERY RESULTS

Page 1 of 1

Client: Barr Engineering
Client Project ID: Enbridge MP-85 Exland Wi / 49/55-0029-00Y 2014.001

ALS Project ID: P1402389

Test Code: EPA TO-15
 Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
 Analyst: Simon Cao
 Sample Type: 1.0 L Summa Canister(s)
 Test Notes:

Date(s) Collected: 6/9/14
 Date(s) Received: 6/13/14
 Date(s) Analyzed: 6/16/14

| Client Sample ID | ALS Sample ID | 1,2-Dichloroethane-d4 | Toluene-d8 | Bromofluorobenzene | Acceptance Limits | Data Qualifier |
|------------------|---------------|-----------------------|-------------------|--------------------|-------------------|----------------|
| | | Percent Recovered | Percent Recovered | Percent Recovered | | |
| Method Blank | P140616-MB | 102 | 100 | 102 | 70-130 | |
| SVE EFFLUENT | P1402389-001 | 101 | 97 | 100 | 70-130 | |

Surrogate percent recovery is verified and accepted based on the on-column result.

Reported results are shown in concentration units and as a result of the calculation, may vary slightly from the on-column percent recovery.



2655 Park Center Dr., Suite A
Simi Valley, CA 93065
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F: +1 805 526 7270
www.alsglobal.com

LABORATORY REPORT

August 4, 2014

Hans Wronka
Barr Engineering
4700 West 77th Street
Minneapolis, MN 55435

RE: Enbridge MP-85 Exland WI / 49/55-0029-00Y 2014.001

Dear Hans:

Enclosed are the results of the sample submitted to our laboratory on July 21, 2014. For your reference, these analyses have been assigned our service request number P1402910.

All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP and DoD-ELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

If you have any questions, please call me at (805) 526-7161.

Respectfully submitted,

ALS | Environmental

Kelly Horiuchi

By Kelly Horiuchi at 4:31 pm, Aug 04, 2014

Kelly Horiuchi
Laboratory Director



2655 Park Center Dr., Suite A
Simi Valley, CA 93065
T: +1 805 526 7161
F: +1 805 526 7270
www.alsglobal.com

Client: Barr Engineering Service Request No: P1402910
Project: Enbridge MP-85 Exland WI / 49/55-0029-00Y 2014.001

CASE NARRATIVE

The samples was received intact under chain of custody on July 21, 2014 and was stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time of sample receipt.

Total Petroleum Hydrocarbons as Gasoline Analysis

The sample was analyzed for total petroleum hydrocarbons (TPH) as gasoline per modified EPA Method TO-3 using a gas chromatograph equipped with a flame ionization detector (FID). This procedure is described in laboratory SOP VOA-TPHG_TO3. This method is not included on the laboratory's NELAP or AIHA-LAP scope of accreditation.

Volatile Organic Compound Analysis

The sample was also analyzed for volatile organic compounds in accordance with EPA Method TO-15 from the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition (EPA/625/R-96/010b), January, 1999. This procedure is described in laboratory SOP VOA-TO15. The analytical system was comprised of a gas chromatograph / mass spectrometer (GC/MS) interfaced to a whole-air preconcentrator. This method is not included on the laboratory's AIHA-LAP scope of accreditation. Any analytes flagged with an X are not included on the laboratory's NELAP or DoD-ELAP scope of accreditation.

The Summa canisters were cleaned, prior to sampling, down to the method reporting limit (MRL) reported for this project. Please note, projects which require reporting below the MRL could have results between the MRL and method detection limit (MDL) that are biased high.

The results of analyses are given in the attached laboratory report. All results are intended to be considered in their entirety, and ALS Environmental (ALS) is not responsible for utilization of less than the complete report.

Use of ALS Environmental (ALS)'s Name. Client shall not use ALS's name or trademark in any marketing or reporting materials, press releases or in any other manner ("Materials") whatsoever and shall not attribute to ALS any test result, tolerance or specification derived from ALS's data ("Attribution") without ALS's prior written consent, which may be withheld by ALS for any reason in its sole discretion. To request ALS's consent, Client shall provide copies of the proposed Materials or Attribution and describe in writing Client's proposed use of such Materials or Attribution. If ALS has not provided written approval of the Materials or Attribution within ten (10) days of receipt from Client, Client's request to use ALS's name or trademark in any Materials or Attribution shall be deemed denied. ALS may, in its discretion, reasonably charge Client for its time in reviewing Materials or Attribution requests. Client acknowledges and agrees that the unauthorized use of ALS's name or trademark may cause ALS to incur irreparable harm for which the recovery of money damages will be inadequate. Accordingly, Client acknowledges and agrees that a violation shall justify preliminary injunctive relief. For questions contact the laboratory.



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 F: +1 805 526 7270
www.alsglobal.com

ALS Environmental – Simi Valley
 Certifications, Accreditations, and Registrations

| Agency | Web Site | Number |
|------------------------|---|----------------------------|
| AIHA | http://www.aihaaccreditedlabs.org | 101661 |
| Arizona DHS | http://www.azdhs.gov/lab/license/env.htm | AZ0694 |
| DoD ELAP | http://www.pjlabs.com/search-accredited-labs | L11-203 |
| Florida DOH (NELAP) | http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm | E871020 |
| Maine DHHS | http://www.maine.gov/dhhs/mecdc/environmental-health/water/dwp-services/labcert/labcert.htm | 2012039 |
| Minnesota DOH (NELAP) | http://www.health.state.mn.us/accreditation | 494864 |
| New Jersey DEP (NELAP) | http://www.nj.gov/dep/oqa/ | CA009 |
| New York DOH (NELAP) | http://www.wadsworth.org/labcert/elap/elap.html | 11221 |
| Oregon PHD (NELAP) | http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx | CA200007 |
| Pennsylvania DEP | http://www.depweb.state.pa.us/labs | 68-03307 (Registration) |
| Texas CEQ (NELAP) | http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html | T104704413-13-4 |
| Utah DOH (NELAP) | http://www.health.utah.gov/lab/labimp/certification/index.html | CA01627201 3-3 |
| Washington DOE | http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html | C946 |

Analyses were performed according to our laboratory's NELAP and DoD-ELAP approved quality assurance program. A complete listing of specific NELAP and DoD-ELAP certified analytes can be found in the certifications section at www.alsglobal.com, or at the accreditation body's website.

Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact the laboratory for information corresponding to a particular certification.

ALS ENVIRONMENTAL

DETAIL SUMMARY REPORT

Client: Barr Engineering
 Project ID: Enbridge MP-85 Exland WI / 49/55-0029-00Y 2014.001

Service Request: P1402910

Date Received: 7/21/2014
 Time Received: 11:20

| | |
|--------------------------|------------------|
| TO-3 Modified - TPHG Can | TO-15 - VOC Cans |
|--------------------------|------------------|

| Client Sample ID | Lab Code | Matrix | Date Collected | Time Collected | Container ID | Pi1 (psig) | Pf1 (psig) | TO-3 Modified - TPHG Can | TO-15 - VOC Cans |
|------------------|--------------|--------|----------------|----------------|--------------|------------|------------|--------------------------|------------------|
| SVE Effluent | P1402910-001 | Air | 7/17/2014 | 09:30 | 1SC00254 | -0.03 | 5.22 | X | X |



Air - Chain of Custody Record & Analytical Service Request

2655 Park Center Drive, Suite A
 Simi Valley, California 93065
 Phone (805) 526-7161
 Fax (805) 526-7270

Requested Turnaround Time in Business Days (Surcharges) please circle
 1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10-Day-Standard

ALS Project No P1402910

| Company Name & Address (Reporting Information) <u>Barr Engineering</u> <u>41700 West 77th St</u> <u>Minnetonka MN</u> | | | | Project Name <u>Embriq MP-85 Fernd WI</u> | | | | ALS Contact: | | Analysis Method | Comments e.g. Actual Preservative or specific instructions | |
|---|----------------------|----------------------------|----------------|---|--|---|--------------------------------|---|--|-----------------------------------|---|--------------------------------|
| Project Manager <u>Jon Aspica</u> | | | | Project Number <u>49/55-0029-004 2014 001</u> | | | | P.O. # / Billing Information | | | | TPH GAS TO 15 BEVERAGE ONLY |
| Phone <u>952-832-2777</u> | | Fax <u>952-832-2601</u> | | Sampler (Print & Sign) <u>WARD Mitchell Ward</u> | | | | Email Address for Result Reporting <u>Jaspica@barr.com</u> | | | | |
| Client Sample ID | Laboratory ID Number | Date Collected | Time Collected | Canister ID (Bar code # - AC, SC, etc.) | Flow Controller ID (Bar code # - FC #) | Canister Start Pressure "Hg | Canister End Pressure "Hg/psig | Sample Volume | | | | |
| <u>SUR EFFLUENT</u> | | <u>7/17/14</u> | <u>9:30am</u> | <u>ISC 00254</u> | | <u>-14.30</u> | | <u>1.0L</u> | <u>X</u> | <u>-0.23</u> | | |
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| Report Tier Levels - please select Tier I - Results (Default in not specified) _____ Tier III (Results + QC & Calibration Summaries) _____ Tier II (Results + QC Summaries) _____ Tier IV (Date Validation Package) 10% Surcharge _____ | | | | | | | | | | Project Requirements (MRLs, QAPP) | | |
| Relinquished by: (Signature) <u>Ward Mitchell</u> | | | | Date: <u>7/18/14</u> Time: <u>9:00am</u> | | Received by: (Signature) <u>K. K. ...</u> | | | Date: <u>7/21/14</u> Time: <u>5:20/120</u> | | Project Requirements (MRLs, QAPP) | |
| Relinquished by: (Signature) | | | | Date: _____ Time: _____ | | Received by: (Signature) | | | Date: _____ Time: _____ | | Cooler / Blank Temperature _____ °C | |

5 of 9

**ALS Environmental
Sample Acceptance Check Form**

Client: Barr Engineering

Work order: P1402910

Project: Enbridge MP-85 Exland WI / 49/55-0029-00Y 2014.001

Sample(s) received on: 7/21/14

Date opened: 7/21/14

by: KKELPE

Note: This form is used for all samples received by ALS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client and/or as required by the method/SOP.

- | | Yes | No | N/A |
|--|-------------------------------------|-------------------------------------|-------------------------------------|
| 1 Were sample containers properly marked with client sample ID? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2 Container(s) supplied by ALS ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3 Did sample containers arrive in good condition? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4 Were chain-of-custody papers used and filled out? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5 Did sample container labels and/or tags agree with custody papers? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6 Was sample volume received adequate for analysis? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7 Are samples within specified holding times? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8 Was proper temperature (thermal preservation) of cooler at receipt adhered to? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 9 Was a trip blank received? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 10 Were custody seals on outside of cooler/Box? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Location of seal(s)? _____ Sealing Lid? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were signature and date included? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were seals intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were custody seals on outside of sample container? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Location of seal(s)? _____ Sealing Lid? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were signature and date included? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were seals intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 11 Do containers have appropriate preservation , according to method/SOP or Client specified information? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Is there a client indication that the submitted samples are pH preserved? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were VOA vials checked for presence/absence of air bubbles? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Does the client/method/SOP require that the analyst check the sample pH and <u>if necessary</u> alter it? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 12 Tubes: Are the tubes capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Do they contain moisture? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 13 Badges: Are the badges properly capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Are dual bed badges separated and individually capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

| Lab Sample ID | Container Description | Required pH * | Received pH | Adjusted pH | VOA Headspace (Presence/Absence) | Receipt / Preservation Comments |
|-----------------|-----------------------|---------------|-------------|-------------|-------------------------------------|------------------------------------|
| P1402910-001.01 | 1.0 L Source Can | | | | | |
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Explain any discrepancies: (include lab sample ID numbers): _____

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: Barr Engineering

Client Project ID: Enbridge MP-85 Exland WI / 49/55-0029-00Y 2014.001

ALS Project ID: P1402910

Total Petroleum Hydrocarbons (TPH) as Gasoline

Test Code: EPA TO-3 Modified
Instrument ID: HP 5890 II/GC19/FID
Analyst: Mike Conejo
Sampling Media: 1.0 L Summa Canister(s)
Test Notes:

Date(s) Collected: 7/17/14
Date Received: 7/21/14
Date Analyzed: 7/25/14

| Client Sample ID | ALS Sample ID | Canister Dilution Factor | Injection Volume ml(s) | Result mg/m ³ | MRL mg/m ³ | Result ppmV | MRL ppmV | Data Qualifier |
|------------------|---------------|--------------------------|------------------------|--------------------------|-----------------------|-------------|----------|----------------|
| SVE Effluent | P1402910-001 | 1.36 | 1.0 | ND | 24 | ND | 6.9 | |
| Method Blank | P140725-MB | 1.00 | 1.0 | ND | 18 | ND | 5.1 | |

Parts Per Million results are based on a Molecular Weight of 86.18.

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: Barr Engineering
Client Project ID: Enbridge MP-85 Exland WI / 49/55-0029-00Y 2014.001

ALS Project ID: P1402910

Benzene

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Simon Cao
Sample Type: 1.0 L Summa Canister(s)
Test Notes:

Date(s) Collected: 7/17/14
Date Received: 7/21/14
Date Analyzed: 8/1/14

| Client Sample ID | ALS Sample ID | Injection | Canister | Result | MRL | Result | MRL | Data |
|------------------|---------------|-----------|----------|-------------------|-------------------|--------|---------|------|
| | | Volume | Dilution | | | | | |
| | | ml(s) | Factor | mg/m ³ | mg/m ³ | | | |
| SVE Effluent | P1402910-001 | 400 | 1.36 | ND | 0.0017 | ND | 0.00053 | |
| Method Blank | P140801-MB | 1,000 | 1.00 | ND | 0.00050 | ND | 0.00016 | |

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

SURROGATE SPIKE RECOVERY RESULTS

Page 1 of 1

Client: Barr Engineering
Client Project ID: Enbridge MP-85 Exland WI / 49/55-0029-00Y 2014.001

ALS Project ID: P1402910

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Simon Cao
Sample Type: 1.0 L Summa Canister(s)
Test Notes:

Date(s) Collected: 7/17/14
Date(s) Received: 7/21/14
Date(s) Analyzed: 8/1/14

| Client Sample ID | ALS Sample ID | 1,2-Dichloroethane-d4 | Toluene-d8 | Bromofluorobenzene | Acceptance Limits | Data Qualifier |
|------------------|---------------|-----------------------|-------------------|--------------------|-------------------|----------------|
| | | Percent Recovered | Percent Recovered | Percent Recovered | | |
| Method Blank | P140801-MB | 112 | 95 | 88 | 70-130 | |
| SVE Effluent | P1402910-001 | 110 | 95 | 84 | 70-130 | |

Surrogate percent recovery is verified and accepted based on the on-column result.

Reported results are shown in concentration units and as a result of the calculation, may vary slightly from the on-column percent recovery.



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LABORATORY REPORT

September 3, 2014

Hans Wronka
Barr Engineering
4700 West 77th Street
Minneapolis, MN 55435

RE: Enbridge MP-85 Exland Wi / 49/55-0029-00Y 2014.001

Dear Hans:

Enclosed are the results of the sample submitted to our laboratory on August 22, 2014. For your reference, these analyses have been assigned our service request number P1403406.

All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP and DoD-ELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

If you have any questions, please call me at (805) 526-7161.

Respectfully submitted,

ALS | Environmental

By Sue Anderson at 4:07 pm, Sep 03, 2014

For Kelly Horiuchi
Laboratory Director



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www.alsglobal.com

Client: Barr Engineering
Project: Enbridge MP-85 Exland Wi / 49/55-0029-00Y 2014.001

Service Request No: P1403406

CASE NARRATIVE

The sample was received intact under chain of custody on August 22, 2014 and was stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the sample at the time of sample receipt.

Total Petroleum Hydrocarbons as Gasoline Analysis

The sample was analyzed for total petroleum hydrocarbons (TPH) as gasoline per modified EPA Method TO-3 using a gas chromatograph equipped with a flame ionization detector (FID). This procedure is described in laboratory SOP VOA-TPHG_TO3. This method is not included on the laboratory's NELAP or AIHA-LAP scope of accreditation.

Benzene Analysis

The sample was also analyzed for Benzene in accordance with EPA Method TO-15 from the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition (EPA/625/R-96/010b), January, 1999. This procedure is described in laboratory SOP VOA-TO15. The analytical system was comprised of a gas chromatograph / mass spectrometer (GC/MS) interfaced to a whole-air preconcentrator. This method is not included on the laboratory's AIHA-LAP scope of accreditation. Any analytes flagged with an X are not included on the laboratory's NELAP or DoD-ELAP scope of accreditation.

The Summa canister was cleaned, prior to sampling, down to the method reporting limit (MRL) reported for this project. Please note, projects which require reporting below the MRL could have results between the MRL and method detection limit (MDL) that are biased high.

The results of analyses are given in the attached laboratory report. All results are intended to be considered in their entirety, and ALS Environmental (ALS) is not responsible for utilization of less than the complete report.

Use of ALS Environmental (ALS)'s Name. Client shall not use ALS's name or trademark in any marketing or reporting materials, press releases or in any other manner ("Materials") whatsoever and shall not attribute to ALS any test result, tolerance or specification derived from ALS's data ("Attribution") without ALS's prior written consent, which may be withheld by ALS for any reason in its sole discretion. To request ALS's consent, Client shall provide copies of the proposed Materials or Attribution and describe in writing Client's proposed use of such Materials or Attribution. If ALS has not provided written approval of the Materials or Attribution within ten (10) days of receipt from Client, Client's request to use ALS's name or trademark in any Materials or Attribution shall be deemed denied. ALS may, in its discretion, reasonably charge Client for its time in reviewing Materials or Attribution requests. Client acknowledges and agrees that the unauthorized use of ALS's name or trademark may cause ALS to incur irreparable harm for which the recovery of money damages will be inadequate. Accordingly, Client acknowledges and agrees that a violation shall justify preliminary injunctive relief. For questions contact the laboratory.



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www.alsglobal.com

ALS Environmental – Simi Valley
 Certifications, Accreditations, and Registrations

| Agency | Web Site | Number |
|------------------------|---|----------------------------|
| AIHA | http://www.aihaaccreditedlabs.org | 101661 |
| Arizona DHS | http://www.azdhs.gov/lab/license/env.htm | AZ0694 |
| DoD ELAP | http://www.pjlabs.com/search-accredited-labs | L11-203 |
| Florida DOH (NELAP) | http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm | E871020 |
| Maine DHHS | http://www.maine.gov/dhhs/mecdc/environmental-health/water/dwp-services/labcert/labcert.htm | 2012039 |
| Minnesota DOH (NELAP) | http://www.health.state.mn.us/accreditation | 494864 |
| New Jersey DEP (NELAP) | http://www.nj.gov/dep/oqa/ | CA009 |
| New York DOH (NELAP) | http://www.wadsworth.org/labcert/elap/elap.html | 11221 |
| Oregon PHD (NELAP) | http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx | CA200007 |
| Pennsylvania DEP | http://www.depweb.state.pa.us/labs | 68-03307 (Registration) |
| Texas CEQ (NELAP) | http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html | T104704413-13-4 |
| Utah DOH (NELAP) | http://www.health.utah.gov/lab/labimp/certification/index.html | CA01627201 3-3 |
| Washington DOE | http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html | C946 |

Analyses were performed according to our laboratory's NELAP and DoD-ELAP approved quality assurance program. A complete listing of specific NELAP and DoD-ELAP certified analytes can be found in the certifications section at www.alsglobal.com, or at the accreditation body's website.

Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact the laboratory for information corresponding to a particular certification.

ALS ENVIRONMENTAL

DETAIL SUMMARY REPORT

Client: Barr Engineering
 Project ID: Enbridge MP-85 Exland Wi / 49/55-0029-00Y 2014.001

Service Request: P1403406

Date Received: 8/22/2014
 Time Received: 09:55

| | |
|--------------------------|------------------|
| TO-3 Modified - TPHG Can | TO-15 - VOC Cans |
|--------------------------|------------------|

| Client Sample ID | Lab Code | Matrix | Date Collected | Time Collected | Container ID | Pi1 (psig) | Pf1 (psig) | TO-3 Modified - TPHG Can | TO-15 - VOC Cans |
|------------------|--------------|--------|----------------|----------------|--------------|------------|------------|--------------------------|------------------|
| SVE EFFLUENT | P1403406-001 | Air | 8/19/2014 | 15:30 | 1SC01032 | -0.94 | 5.66 | X | X |



Air - Chain of Custody Record & Analytical Service Request

2655 Park Center Drive, Suite A
 Simi Valley, California 93065
 Phone (805) 526-7161
 Fax (805) 526-7270

| | |
|--|--------------------------------|
| Requested Turnaround Time in Business Days (Surcharges) please circle 1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10-Day-Standard | ALS Project No <u>P1403406</u> |
|--|--------------------------------|

| | | | | | | | | | | | | |
|---|--|----------------------------|--|--|----------------------------------|--------------------------------|---|---|--|--|--|--|
| Company Name & Address (Reporting Information) <u>Barr Engineering</u> <u>4700 WEST 77TH STREET</u> <u>MINNEAPOLIS MINN.</u> | | | | Project Name <u>ENBRIDGE MP85 Estland WI</u> | | | | ALS Contact: | | Comments e.g. Actual Preservative or specific instructions | | |
| Project Manager <u>Jon Espie</u> | | | | Project Number <u>49/55-0029 004 2014 001</u> | | | | Analysis Method | | | | |
| Phone <u>952-832-2777</u> | | Fax <u>952-832-7601</u> | | P.O. # / Billing Information | | | | <u>TAP GAS</u> <u>TO 15 BENZENE ONLY</u> | | | | |
| Email Address for Result Reporting <u>Jespie@Barr.com</u> | | | | Sampler (Print & Sign) <u>WALTER MITCHELL Walter Mitchell</u> | | | | | | | | |
| Client Sample ID <u>SUE EFFLUENT</u> | | | | Laboratory ID Number <u>①-085</u> | Date Collected <u>8/19/14</u> | Time Collected <u>15:30</u> | Canister ID (Bar code # - AC, SC, etc.) <u>15C0032</u> | | | | Flow Controller ID (Bar code # - FC #) | Canister Start Pressure "Hg <u>-14.30</u> |

5 of 9

| | | | | | | | | | | | |
|--|--|----------------------|--------------------|---|--|---|-------------------|--|--|-----------------------------------|--|
| Report Tier Levels - please select Tier I - Results (Default in not specified) _____ Tier II (Results + QC Summaries) _____ Tier III (Results + QC & Calibration Summaries) _____ Tier IV (Date Validation Package) 10% Surcharge _____ | | | | | | EDD required YES / No Type: _____ Units: _____ | | Chain of Custody Seal: (Circle) INTACT BROKEN <u>ABSENT</u> | | Project Requirements (MRLs, QAPP) | |
| Relinquished by: (Signature) <u>Walter Mitchell</u> | | Date: <u>8/19/14</u> | Time: <u>12:40</u> | Received by: (Signature) <u>[Signature]</u> | | Date: <u>8/22/14</u> | Time: <u>0955</u> | Cooler / Blank Temperature _____ °C | | | |
| Relinquished by: (Signature) | | Date: | Time: | Received by: (Signature) | | Date: | Time: | | | | |

**ALS Environmental
Sample Acceptance Check Form**

Client: Barr Engineering

Work order: P1403406

Project: Enbridge MP-85 Exland Wi / 49/55-0029-00Y 2014.001

Sample(s) received on: 8/22/14

Date opened: 8/22/14

by: RMARTENIES

Note: This form is used for all samples received by ALS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client and/or as required by the method/SOP.

- | | Yes | No | N/A |
|--|-------------------------------------|-------------------------------------|-------------------------------------|
| 1 Were sample containers properly marked with client sample ID? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2 Container(s) supplied by ALS ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3 Did sample containers arrive in good condition? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4 Were chain-of-custody papers used and filled out? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5 Did sample container labels and/or tags agree with custody papers? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6 Was sample volume received adequate for analysis? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7 Are samples within specified holding times? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8 Was proper temperature (thermal preservation) of cooler at receipt adhered to? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 9 Was a trip blank received? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 10 Were custody seals on outside of cooler/Box? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Location of seal(s)? _____ Sealing Lid? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were signature and date included? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were seals intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were custody seals on outside of sample container? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Location of seal(s)? _____ Sealing Lid? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were signature and date included? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were seals intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 11 Do containers have appropriate preservation , according to method/SOP or Client specified information? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Is there a client indication that the submitted samples are pH preserved? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were VOA vials checked for presence/absence of air bubbles? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Does the client/method/SOP require that the analyst check the sample pH and <u>if necessary</u> alter it? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 12 Tubes: Are the tubes capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Do they contain moisture? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 13 Badges: Are the badges properly capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Are dual bed badges separated and individually capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

| Lab Sample ID | Container Description | Required pH * | Received pH | Adjusted pH | VOA Headspace (Presence/Absence) | Receipt / Preservation Comments |
|-----------------|-----------------------|---------------|-------------|-------------|-------------------------------------|------------------------------------|
| P1403406-001.01 | 1.0 L Source Can | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Explain any discrepancies: (include lab sample ID numbers): _____

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: Barr Engineering

Client Project ID: Enbridge MP-85 Exland Wi / 49/55-0029-00Y 2014.001

ALS Project ID: P1403406

Total Petroleum Hydrocarbons (TPH) as Gasoline

Test Code: EPA TO-3 Modified
Instrument ID: HP 5890 II/GC19/FID
Analyst: Nalini Lall
Sampling Media: 1.0 L Summa Canister(s)
Test Notes:

Date(s) Collected: 8/19/14
Date Received: 8/22/14
Date Analyzed: 8/25/14

| Client Sample ID | ALS Sample ID | Canister Dilution Factor | Injection Volume ml(s) | Result mg/m ³ | MRL mg/m ³ | Result ppmV | MRL ppmV | Data Qualifier |
|------------------|---------------|--------------------------|------------------------|--------------------------|-----------------------|-------------|----------|----------------|
| SVE EFFLUENT | P1403406-001 | 1.48 | 1.0 | ND | 27 | ND | 7.6 | |
| Method Blank | P140825-MB | 1.00 | 1.0 | ND | 18 | ND | 5.1 | |

Parts Per Million results are based on a Molecular Weight of 86.18.

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: Barr Engineering
Client Project ID: Enbridge MP-85 Exland Wi / 49/55-0029-00Y 2014.001

ALS Project ID: P1403406

Benzene

Test Code: EPA TO-15
 Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
 Analyst: Evelyn Alvarez
 Sample Type: 1.0 L Summa Canister(s)
 Test Notes:

Date(s) Collected: 8/19/14
 Date Received: 8/22/14
 Date Analyzed: 8/26/14

| Client Sample ID | ALS Sample ID | Injection | Canister | Result | MRL | Result | MRL | Data |
|------------------|---------------|-----------|----------|--------|---------|--------|---------|------|
| | | Volume | Dilution | | | | | |
| | | ml(s) | Factor | | | | | |
| SVE EFFLUENT | P1403406-001 | 400 | 1.48 | ND | 0.0019 | ND | 0.00058 | |
| Method Blank | P140826-MB | 1,000 | 1.00 | ND | 0.00050 | ND | 0.00016 | |

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

SURROGATE SPIKE RECOVERY RESULTS

Page 1 of 1

Client: Barr Engineering
Client Project ID: Enbridge MP-85 Exland Wi / 49/55-0029-00Y 2014.001

ALS Project ID: P1403406

Test Code: EPA TO-15
 Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
 Analyst: Evelyn Alvarez
 Sample Type: 1.0 L Summa Canister(s)
 Test Notes:

Date(s) Collected: 8/19/14
 Date(s) Received: 8/22/14
 Date(s) Analyzed: 8/26/14

| Client Sample ID | ALS Sample ID | 1,2-Dichloroethane-d4 | Toluene-d8 | Bromofluorobenzene | Acceptance Limits | Data Qualifier |
|------------------|---------------|-----------------------|-------------------|--------------------|-------------------|----------------|
| | | Percent Recovered | Percent Recovered | Percent Recovered | | |
| Method Blank | P140826-MB | 99 | 99 | 105 | 70-130 | |
| SVE EFFLUENT | P1403406-001 | 101 | 82 | 91 | 70-130 | |

Surrogate percent recovery is verified and accepted based on the on-column result.

Reported results are shown in concentration units and as a result of the calculation, may vary slightly from the on-column percent recovery.



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LABORATORY REPORT

October 2, 2014

Hans Wronka
Barr Engineering
4700 West 77th Street
Minneapolis, MN 55435

RE: Enbridge MP-85 Exland WI / 49/55-0029-00Y 2014001

Dear Hans:

Enclosed are the results of the sample submitted to our laboratory on September 19, 2014. For your reference, these analyses have been assigned our service request number P1403816.

All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP and DoD-ELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

If you have any questions, please call me at (805) 526-7161.

Respectfully submitted,

ALS | Environmental

By Sue Anderson at 5:06 pm, Oct 02, 2014

For Kelly Horiuchi
Laboratory Director



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F: +1 805 526 7270
www.alsglobal.com

Client: Barr Engineering
Project: Enbridge MP-85 Exland WI / 49/55-0029-00Y 2014001

Service Request No: P1403816

CASE NARRATIVE

The sample was received intact under chain of custody on September 19, 2014 and was stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the sample at the time of sample receipt.

Total Petroleum Hydrocarbons as Gasoline Analysis

The sample was analyzed for total petroleum hydrocarbons (TPH) as gasoline per modified EPA Method TO-3 using a gas chromatograph equipped with a flame ionization detector (FID). This procedure is described in laboratory SOP VOA-TPHG_TO3. This method is not included on the laboratory's NELAP or AIHA-LAP scope of accreditation.

Benzene Analysis

The sample was also analyzed for benzene in accordance with EPA Method TO-15 from the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition (EPA/625/R-96/010b), January, 1999. This procedure is described in laboratory SOP VOA-TO15. The analytical system was comprised of a gas chromatograph / mass spectrometer (GC/MS) interfaced to a whole-air preconcentrator. This method is not included on the laboratory's AIHA-LAP scope of accreditation. Any analytes flagged with an X are not included on the laboratory's NELAP or DoD-ELAP scope of accreditation.

The Summa canisters were cleaned, prior to sampling, down to the method reporting limit (MRL) reported for this project. Please note, projects which require reporting below the MRL could have results between the MRL and method detection limit (MDL) that are biased high.

The results of analyses are given in the attached laboratory report. All results are intended to be considered in their entirety, and ALS Environmental (ALS) is not responsible for utilization of less than the complete report.

Use of ALS Environmental (ALS)'s Name. Client shall not use ALS's name or trademark in any marketing or reporting materials, press releases or in any other manner ("Materials") whatsoever and shall not attribute to ALS any test result, tolerance or specification derived from ALS's data ("Attribution") without ALS's prior written consent, which may be withheld by ALS for any reason in its sole discretion. To request ALS's consent, Client shall provide copies of the proposed Materials or Attribution and describe in writing Client's proposed use of such Materials or Attribution. If ALS has not provided written approval of the Materials or Attribution within ten (10) days of receipt from Client, Client's request to use ALS's name or trademark in any Materials or Attribution shall be deemed denied. ALS may, in its discretion, reasonably charge Client for its time in reviewing Materials or Attribution requests. Client acknowledges and agrees that the unauthorized use of ALS's name or trademark may cause ALS to incur irreparable harm for which the recovery of money damages will be inadequate. Accordingly, Client acknowledges and agrees that a violation shall justify preliminary injunctive relief. For questions contact the laboratory.



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ALS Environmental – Simi Valley

CERTIFICATIONS, ACCREDITATIONS, AND REGISTRATIONS

| Agency | Web Site | Number |
|------------------------|---|-------------------------|
| AIHA | http://www.aihaaccreditedlabs.org | 101661 |
| Arizona DHS | http://www.azdhs.gov/lab/license/env.htm | AZ0694 |
| DoD ELAP | http://www.pjlab.com/search-accredited-labs | L14-2 |
| Florida DOH (NELAP) | http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm | E871020 |
| Maine DHHS | http://www.maine.gov/dhhs/mecdc/environmental-health/water/dwp-services/labcert/labcert.htm | 2014025 |
| Minnesota DOH (NELAP) | http://www.health.state.mn.us/accreditation | 643428 |
| New Jersey DEP (NELAP) | http://www.nj.gov/dep/oqa/ | CA009 |
| New York DOH (NELAP) | http://www.wadsworth.org/labcert/elap/elap.html | 11221 |
| Oregon PHD (NELAP) | http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx | CA200007 |
| Pennsylvania DEP | http://www.depweb.state.pa.us/labs | 68-03307 (Registration) |
| Texas CEQ (NELAP) | http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html | T104704413-14-5 |
| Utah DOH (NELAP) | http://www.health.utah.gov/lab/labimp/certification/index.html | CA01627201 4-4 |
| Washington DOE | http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html | C946 |

Analyses were performed according to our laboratory's NELAP and DoD-ELAP approved quality assurance program. A complete listing of specific NELAP and DoD-ELAP certified analytes can be found in the certifications section at www.alsglobal.com, or at the accreditation body's website.

Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact the laboratory for information corresponding to a particular certification.

ALS ENVIRONMENTAL

DETAIL SUMMARY REPORT

Client: Barr Engineering
 Project ID: Enbridge MP-85 Exland WI / 49/55-0029-00Y 2014001

Service Request: P1403816

Date Received: 9/19/2014
 Time Received: 09:55

| | |
|--------------------------|------------------|
| TO-3 Modified - TPHG Can | TO-15 - VOC Cans |
|--------------------------|------------------|

| Client Sample ID | Lab Code | Matrix | Date Collected | Time Collected | Container ID | Pi1 (psig) | Pf1 (psig) | TO-3 Modified - TPHG Can | TO-15 - VOC Cans |
|------------------|--------------|--------|----------------|----------------|--------------|------------|------------|--------------------------|------------------|
| SVE EFFLUENT | P1403816-001 | Air | 9/16/2014 | 13:30 | 1SC00985 | -0.09 | 4.99 | X | X |

**ALS Environmental
Sample Acceptance Check Form**

Client: Barr Engineering

Work order: P1403816

Project: Enbridge MP-85 Exland Wi / 49/55-0029-00Y 2014.001

Sample(s) received on: 9/19/14

Date opened: 9/19/14

by: RMARTENIES

Note: This form is used for all samples received by ALS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client and/or as required by the method/SOP.

- | | Yes | No | N/A |
|--|-------------------------------------|-------------------------------------|-------------------------------------|
| 1 Were sample containers properly marked with client sample ID? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2 Container(s) supplied by ALS ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3 Did sample containers arrive in good condition? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4 Were chain-of-custody papers used and filled out? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5 Did sample container labels and/or tags agree with custody papers? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6 Was sample volume received adequate for analysis? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7 Are samples within specified holding times? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8 Was proper temperature (thermal preservation) of cooler at receipt adhered to? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 9 Was a trip blank received? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 10 Were custody seals on outside of cooler/Box? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Location of seal(s)? _____ Sealing Lid? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were signature and date included? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were seals intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were custody seals on outside of sample container? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Location of seal(s)? _____ Sealing Lid? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were signature and date included? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were seals intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 11 Do containers have appropriate preservation , according to method/SOP or Client specified information? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Is there a client indication that the submitted samples are pH preserved? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were VOA vials checked for presence/absence of air bubbles? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Does the client/method/SOP require that the analyst check the sample pH and <u>if necessary</u> alter it? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 12 Tubes: Are the tubes capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Do they contain moisture? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 13 Badges: Are the badges properly capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Are dual bed badges separated and individually capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

| Lab Sample ID | Container Description | Required pH * | Received pH | Adjusted pH | VOA Headspace (Presence/Absence) | Receipt / Preservation Comments |
|-----------------|-----------------------|---------------|-------------|-------------|-------------------------------------|------------------------------------|
| P1403816-001.01 | 1.0 L Source Can | | | | | |
| | | | | | | |
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| | | | | | | |

Explain any discrepancies: (include lab sample ID numbers): _____

Chain of Custody is missing sampler's signature _____

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: Barr Engineering

Client Project ID: Enbridge MP-85 Exland WI / 49/55-0029-00Y 2014001

ALS Project ID: P1403816

Total Petroleum Hydrocarbons (TPH) as Gasoline

Test Code: EPA TO-3 Modified
 Instrument ID: HP 5890 II/GC19/FID
 Analyst: Wade Henton
 Sampling Media: 1.0 L Summa Canister(s)
 Test Notes:

Date(s) Collected: 9/16/14
 Date Received: 9/19/14
 Date Analyzed: 9/23/14

| Client Sample ID | ALS Sample ID | Canister | Injection | Result | MRL | Result | MRL | Data |
|------------------|---------------|----------|-----------|-------------------|-------------------|--------|-----|------|
| | | Dilution | Volume | | | | | |
| | | Factor | ml(s) | mg/m ³ | mg/m ³ | | | |
| SVE EFFLUENT | P1403816-001 | 1.35 | 1.0 | ND | 24 | ND | 6.9 | |
| Method Blank | P140923-MB | 1.00 | 1.0 | ND | 18 | ND | 5.1 | |

Parts Per Million results are based on a Molecular Weight of 86.18.

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: Barr Engineering
Client Project ID: Enbridge MP-85 Exland WI / 49/55-0029-00Y 2014001

ALS Project ID: P1403816

Benzene

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Simon Cao
Sample Type: 1.0 L Summa Canister(s)
Test Notes:

Date(s) Collected: 9/16/14
Date Received: 9/19/14
Date Analyzed: 9/25/14

| Client Sample ID | ALS Sample ID | Injection | Canister | Result | MRL | Result | MRL | Data |
|------------------|---------------|-----------|----------|-------------------|-------------------|--------|---------|------|
| | | Volume | Dilution | | | | | |
| | | ml(s) | Factor | mg/m ³ | mg/m ³ | | | |
| SVE EFFLUENT | P1403816-001 | 400 | 1.35 | ND | 0.0017 | ND | 0.00053 | |
| Method Blank | P140925-MB | 1,000 | 1.00 | ND | 0.00050 | ND | 0.00016 | |

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

SURROGATE SPIKE RECOVERY RESULTS

Page 1 of 1

Client: Barr Engineering
Client Project ID: Enbridge MP-85 Exland WI / 49/55-0029-00Y 2014001

ALS Project ID: P1403816

Test Code: EPA TO-15
 Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
 Analyst: Simon Cao
 Sample Type: 1.0 L Summa Canister(s)
 Test Notes:

Date(s) Collected: 9/16/14
 Date(s) Received: 9/19/14
 Date(s) Analyzed: 9/25/14

| Client Sample ID | ALS Sample ID | 1,2-Dichloroethane-d4 | Toluene-d8 | Bromofluorobenzene | Acceptance Limits | Data Qualifier |
|------------------|---------------|-----------------------|-------------------|--------------------|-------------------|----------------|
| | | Percent Recovered | Percent Recovered | Percent Recovered | | |
| Method Blank | P140925-MB | 111 | 95 | 83 | 70-130 | |
| SVE EFFLUENT | P1403816-001 | 108 | 93 | 82 | 70-130 | |

Surrogate percent recovery is verified and accepted based on the on-column result.

Reported results are shown in concentration units and as a result of the calculation, may vary slightly from the on-column percent recovery.



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LABORATORY REPORT

October 29, 2014

Hans Wronka
Barr Engineering
4700 West 77th Street
Minneapolis, MN 55435

RE: Enbridge MP-85 Exland Wi / 49/55-0029-00Y 2014.001

Dear Hans:

Enclosed are the results of the sample submitted to our laboratory on October 17, 2014. For your reference, these analyses have been assigned our service request number P1404255.

All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP and DoD-ELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

If you have any questions, please call me at (805) 526-7161.

Respectfully submitted,

ALS | Environmental

By Sue Anderson at 9:21 am, Oct 29, 2014

For Kelly Horiuchi
Laboratory Director



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www.alsglobal.com

Client: Barr Engineering Service Request No: P1404255
Project: Enbridge MP-85 Exland Wi / 49/55-0029-00Y 2014.001

CASE NARRATIVE

The sample was received intact under chain of custody on October 17, 2014 and was stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the sample at the time of sample receipt.

Total Petroleum Hydrocarbons as Gasoline Analysis

The sample was analyzed for total petroleum hydrocarbons (TPH) as gasoline per modified EPA Method TO-3 using a gas chromatograph equipped with a flame ionization detector (FID). This procedure is described in laboratory SOP VOA-TPHG_TO3. This method is not included on the laboratory's NELAP or AIHA-LAP scope of accreditation.

Volatile Organic Compound Analysis

The sample was also analyzed for benzene in accordance with EPA Method TO-15 from the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition (EPA/625/R-96/010b), January, 1999. This procedure is described in laboratory SOP VOA-TO15. The analytical system was comprised of a gas chromatograph / mass spectrometer (GC/MS) interfaced to a whole-air preconcentrator. This method is not included on the laboratory's AIHA-LAP scope of accreditation. Any analytes flagged with an X are not included on the laboratory's NELAP or DoD-ELAP scope of accreditation.

The Summa canister was cleaned, prior to sampling, down to the method reporting limit (MRL) reported for this project. Please note, projects which require reporting below the MRL could have results between the MRL and method detection limit (MDL) that are biased high.

The results of analyses are given in the attached laboratory report. All results are intended to be considered in their entirety, and ALS Environmental (ALS) is not responsible for utilization of less than the complete report.

Use of ALS Environmental (ALS)'s Name. Client shall not use ALS's name or trademark in any marketing or reporting materials, press releases or in any other manner ("Materials") whatsoever and shall not attribute to ALS any test result, tolerance or specification derived from ALS's data ("Attribution") without ALS's prior written consent, which may be withheld by ALS for any reason in its sole discretion. To request ALS's consent, Client shall provide copies of the proposed Materials or Attribution and describe in writing Client's proposed use of such Materials or Attribution. If ALS has not provided written approval of the Materials or Attribution within ten (10) days of receipt from Client, Client's request to use ALS's name or trademark in any Materials or Attribution shall be deemed denied. ALS may, in its discretion, reasonably charge Client for its time in reviewing Materials or Attribution requests. Client acknowledges and agrees that the unauthorized use of ALS's name or trademark may cause ALS to incur irreparable harm for which the recovery of money damages will be inadequate. Accordingly, Client acknowledges and agrees that a violation shall justify preliminary injunctive relief. For questions contact the laboratory.



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ALS Environmental – Simi Valley

CERTIFICATIONS, ACCREDITATIONS, AND REGISTRATIONS

| Agency | Web Site | Number |
|------------------------|---|-------------------------|
| AIHA | http://www.aihaaccreditedlabs.org | 101661 |
| Arizona DHS | http://www.azdhs.gov/lab/license/env.htm | AZ0694 |
| DoD ELAP | http://www.pjlabs.com/search-accredited-labs | L14-2 |
| Florida DOH (NELAP) | http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm | E871020 |
| Maine DHHS | http://www.maine.gov/dhhs/mecdc/environmental-health/water/dwp-services/labcert/labcert.htm | 2014025 |
| Minnesota DOH (NELAP) | http://www.health.state.mn.us/accreditation | 643428 |
| New Jersey DEP (NELAP) | http://www.nj.gov/dep/oqa/ | CA009 |
| New York DOH (NELAP) | http://www.wadsworth.org/labcert/elap/elap.html | 11221 |
| Oregon PHD (NELAP) | http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx | CA200007 |
| Pennsylvania DEP | http://www.depweb.state.pa.us/labs | 68-03307 (Registration) |
| Texas CEQ (NELAP) | http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html | T104704413-14-5 |
| Utah DOH (NELAP) | http://www.health.utah.gov/lab/labimp/certification/index.html | CA01627201 4-4 |
| Washington DOE | http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html | C946 |

Analyses were performed according to our laboratory's NELAP and DoD-ELAP approved quality assurance program. A complete listing of specific NELAP and DoD-ELAP certified analytes can be found in the certifications section at www.alsglobal.com, or at the accreditation body's website.

Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact the laboratory for information corresponding to a particular certification.

ALS ENVIRONMENTAL

DETAIL SUMMARY REPORT

Client: Barr Engineering
 Project ID: Enbridge MP-85 Exland Wi / 49/55-0029-00Y 2014.001

Service Request: P1404255

Date Received: 10/17/2014
 Time Received: 09:50

| | |
|--------------------------|------------------|
| TO-3 Modified - TPHG Can | TO-15 - VOC Cans |
|--------------------------|------------------|

| Client Sample ID | Lab Code | Matrix | Date Collected | Time Collected | Container ID | Pi1 (psig) | Pf1 (psig) | TO-3 Modified - TPHG Can | TO-15 - VOC Cans |
|------------------|--------------|--------|----------------|----------------|--------------|------------|------------|--------------------------|------------------|
| SVE EFFLUENT | P1404255-001 | Air | 10/14/2014 | 12:30 | 1SC00003 | -0.10 | 9.94 | X | X |

**ALS Environmental
Sample Acceptance Check Form**

Client: Barr Engineering

Work order: P1404255

Project: Enbridge MP-85 Exland Wi / 49/55-0029-00Y 2014.001

Sample(s) received on: 10/17/14

Date opened: 10/17/14

by: KKELPE

Note: This form is used for all samples received by ALS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client and/or as required by the method/SOP.

- | | Yes | No | N/A |
|--|-------------------------------------|-------------------------------------|-------------------------------------|
| 1 Were sample containers properly marked with client sample ID? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2 Container(s) supplied by ALS ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3 Did sample containers arrive in good condition? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4 Were chain-of-custody papers used and filled out? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5 Did sample container labels and/or tags agree with custody papers? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6 Was sample volume received adequate for analysis? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7 Are samples within specified holding times? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8 Was proper temperature (thermal preservation) of cooler at receipt adhered to? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 9 Was a trip blank received? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 10 Were custody seals on outside of cooler/Box? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Location of seal(s)? _____ Sealing Lid? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were signature and date included? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were seals intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were custody seals on outside of sample container? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Location of seal(s)? _____ Sealing Lid? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were signature and date included? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were seals intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 11 Do containers have appropriate preservation , according to method/SOP or Client specified information? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Is there a client indication that the submitted samples are pH preserved? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were VOA vials checked for presence/absence of air bubbles? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Does the client/method/SOP require that the analyst check the sample pH and <u>if necessary</u> alter it? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 12 Tubes: Are the tubes capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Do they contain moisture? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 13 Badges: Are the badges properly capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Are dual bed badges separated and individually capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

| Lab Sample ID | Container Description | Required pH * | Received pH | Adjusted pH | VOA Headspace (Presence/Absence) | Receipt / Preservation Comments |
|-----------------|-----------------------|---------------|-------------|-------------|-------------------------------------|------------------------------------|
| P1404255-001.01 | 1.0 L Source Can | | | | | |
| | | | | | | |
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| | | | | | | |

Explain any discrepancies: (include lab sample ID numbers): _____

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: Barr Engineering

Client Project ID: Enbridge MP-85 Exland Wi / 49/55-0029-00Y 2014.001

ALS Project ID: P1404255

Total Petroleum Hydrocarbons (TPH) as Gasoline

Test Code: EPA TO-3 Modified
 Instrument ID: HP 5890 II/GC19/FID
 Analyst: Nalini Lall
 Sampling Media: 1.0 L Summa Canister(s)
 Test Notes:

Date(s) Collected: 10/14/14
 Date Received: 10/17/14
 Date Analyzed: 10/17/14

| Client Sample ID | ALS Sample ID | Canister | Injection | Result | MRL | Result | MRL | Data |
|------------------|---------------|----------|-----------|-------------------|-------------------|--------|-----|------|
| | | Dilution | Volume | | | | | |
| | | Factor | ml(s) | mg/m ³ | mg/m ³ | | | |
| SVE EFFLUENT | P1404255-001 | 1.69 | 1.0 | ND | 30 | ND | 8.6 | |
| Method Blank | P141017-MB | 1.00 | 1.0 | ND | 18 | ND | 5.1 | |

Parts Per Million results are based on a Molecular Weight of 86.18.

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: Barr Engineering
Client Project ID: Enbridge MP-85 Exland Wi / 49/55-0029-00Y 2014.001

ALS Project ID: P1404255

Benzene

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Analyst: Evelyn Alvarez
Sample Type: 1.0 L Summa Canister(s)
Test Notes:

Date(s) Collected: 10/14/14
Date Received: 10/17/14
Date Analyzed: 10/23/14

| Client Sample ID | ALS Sample ID | Injection | Canister | Result | MRL | Result | MRL | Data |
|------------------|---------------|-----------|----------|-------------------|-------------------|--------|---------|-----------|
| | | Volume | Dilution | | | | | |
| | | ml(s) | Factor | mg/m ³ | mg/m ³ | ppmV | ppmV | Qualifier |
| SVE EFFLUENT | P1404255-001 | 400 | 1.69 | ND | 0.0021 | ND | 0.00066 | |
| Method Blank | P141023-MB | 1,000 | 1.00 | ND | 0.00050 | ND | 0.00016 | |

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

SURROGATE SPIKE RECOVERY RESULTS

Page 1 of 1

Client: Barr Engineering
Client Project ID: Enbridge MP-85 Exland Wi / 49/55-0029-00Y 2014.001

ALS Project ID: P1404255

Test Code: EPA TO-15
 Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
 Analyst: Evelyn Alvarez
 Sample Type: 1.0 L Summa Canister(s)
 Test Notes:

Date(s) Collected: 10/14/14
 Date(s) Received: 10/17/14
 Date(s) Analyzed: 10/23/14

| Client Sample ID | ALS Sample ID | 1,2-Dichloroethane-d4 | Toluene-d8 | Bromofluorobenzene | Acceptance Limits | Data Qualifier |
|------------------|---------------|-----------------------|-------------------|--------------------|-------------------|----------------|
| | | Percent Recovered | Percent Recovered | Percent Recovered | | |
| Method Blank | P141023-MB | 107 | 101 | 110 | 70-130 | |
| SVE EFFLUENT | P1404255-001 | 106 | 98 | 96 | 70-130 | |

Surrogate percent recovery is verified and accepted based on the on-column result.

Reported results are shown in concentration units and as a result of the calculation, may vary slightly from the on-column percent recovery.



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LABORATORY REPORT

December 2, 2014

Hans Wronka
Barr Engineering
4700 West 77th Street
Minneapolis, MN 55435

RE: Enbridge MP-85 Exland WI / 49/55-0029-004 2014.001

Dear Hans:

Enclosed are the results of the sample submitted to our laboratory on November 17, 2014. For your reference, these analyses have been assigned our service request number P1404683.

All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP and DoD-ELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

If you have any questions, please call me at (805) 526-7161.

Respectfully submitted,

ALS | Environmental

By Kelly Horiuchi at 12:35 pm, Dec 02, 2014

Kelly Horiuchi
Laboratory Director



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Client: Barr Engineering Service Request No: P1404683
Project: Enbridge MP-85 Exland WI / 49/55-0029-004 2014.001

CASE NARRATIVE

The sample was received intact under chain of custody on November 17, 2014 and was stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the sample at the time of sample receipt.

Total Petroleum Hydrocarbons as Gasoline Analysis

The sample was analyzed for total petroleum hydrocarbons (TPH) as gasoline per modified EPA Method TO-3 using a gas chromatograph equipped with a flame ionization detector (FID). This procedure is described in laboratory SOP VOA-TPHG_TO3. This method is not included on the laboratory's NELAP or AIHA-LAP scope of accreditation.

Benzene Analysis

The sample was also analyzed for Benzene in accordance with EPA Method TO-15 from the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition (EPA/625/R-96/010b), January, 1999. This procedure is described in laboratory SOP VOA-TO15. The analytical system was comprised of a gas chromatograph / mass spectrometer (GC/MS) interfaced to a whole-air preconcentrator. This method is not included on the laboratory's AIHA-LAP scope of accreditation. Any analytes flagged with an X are not included on the laboratory's NELAP or DoD-ELAP scope of accreditation.

The Summa canister was cleaned, prior to sampling, down to the method reporting limit (MRL) reported for this project. Please note, projects which require reporting below the MRL could have results between the MRL and method detection limit (MDL) that are biased high.

The results of analyses are given in the attached laboratory report. All results are intended to be considered in their entirety, and ALS Environmental (ALS) is not responsible for utilization of less than the complete report.

Use of ALS Environmental (ALS)'s Name. Client shall not use ALS's name or trademark in any marketing or reporting materials, press releases or in any other manner ("Materials") whatsoever and shall not attribute to ALS any test result, tolerance or specification derived from ALS's data ("Attribution") without ALS's prior written consent, which may be withheld by ALS for any reason in its sole discretion. To request ALS's consent, Client shall provide copies of the proposed Materials or Attribution and describe in writing Client's proposed use of such Materials or Attribution. If ALS has not provided written approval of the Materials or Attribution within ten (10) days of receipt from Client, Client's request to use ALS's name or trademark in any Materials or Attribution shall be deemed denied. ALS may, in its discretion, reasonably charge Client for its time in reviewing Materials or Attribution requests. Client acknowledges and agrees that the unauthorized use of ALS's name or trademark may cause ALS to incur irreparable harm for which the recovery of money damages will be inadequate. Accordingly, Client acknowledges and agrees that a violation shall justify preliminary injunctive relief. For questions contact the laboratory.



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ALS Environmental – Simi Valley

CERTIFICATIONS, ACCREDITATIONS, AND REGISTRATIONS

| Agency | Web Site | Number |
|------------------------|---|-------------------------|
| AIHA | http://www.aihaaccreditedlabs.org | 101661 |
| Arizona DHS | http://www.azdhs.gov/lab/license/env.htm | AZ0694 |
| DoD ELAP | http://www.pjlabs.com/search-accredited-labs | L14-2 |
| Florida DOH (NELAP) | http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm | E871020 |
| Maine DHHS | http://www.maine.gov/dhhs/mecdc/environmental-health/water/dwp-services/labcert/labcert.htm | 2014025 |
| Minnesota DOH (NELAP) | http://www.health.state.mn.us/accreditation | 643428 |
| New Jersey DEP (NELAP) | http://www.nj.gov/dep/oqa/ | CA009 |
| New York DOH (NELAP) | http://www.wadsworth.org/labcert/elap/elap.html | 11221 |
| Oregon PHD (NELAP) | http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx | CA200007 |
| Pennsylvania DEP | http://www.depweb.state.pa.us/labs | 68-03307 (Registration) |
| Texas CEQ (NELAP) | http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html | T104704413-14-5 |
| Utah DOH (NELAP) | http://www.health.utah.gov/lab/labimp/certification/index.html | CA016272014-4 |
| Washington DOE | http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html | C946 |

Analyses were performed according to our laboratory's NELAP and DoD-ELAP approved quality assurance program. A complete listing of specific NELAP and DoD-ELAP certified analytes can be found in the certifications section at www.alsglobal.com, or at the accreditation body's website.

Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact the laboratory for information corresponding to a particular certification.

ALS ENVIRONMENTAL

DETAIL SUMMARY REPORT

Client: Barr Engineering
 Project ID: Enbridge MP-85 Exland WI / 49/55-0029-004 2014.001

Service Request: P1404683

Date Received: 11/17/2014
 Time Received: 09:45

| Client Sample ID | Lab Code | Matrix | Date Collected | Time Collected | Container ID | Pi1 (psig) | Pf1 (psig) | TO-3 Modified - TPHG Can | TO-15 - VOC Cans |
|------------------|--------------|--------|----------------|----------------|--------------|------------|------------|--------------------------|------------------|
| SVE EFFLUENT | P1404683-001 | Air | 11/13/2014 | 13:00 | 1SS00087 | -0.01 | 4.99 | X | X |

**ALS Environmental
Sample Acceptance Check Form**

Client: Barr Engineering

Work order: P1404683

Project: Enbridge MP-85 Exland WI / 49/55-0029-004 2014.001

Sample(s) received on: 11/17/14

Date opened: 11/17/14

by: RMARTENIES

Note: This form is used for all samples received by ALS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client and/or as required by the method/SOP.

- | | Yes | No | N/A |
|--|-------------------------------------|-------------------------------------|-------------------------------------|
| 1 Were sample containers properly marked with client sample ID? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2 Container(s) supplied by ALS ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3 Did sample containers arrive in good condition? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4 Were chain-of-custody papers used and filled out? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5 Did sample container labels and/or tags agree with custody papers? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6 Was sample volume received adequate for analysis? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7 Are samples within specified holding times? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8 Was proper temperature (thermal preservation) of cooler at receipt adhered to? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 9 Was a trip blank received? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 10 Were custody seals on outside of cooler/Box? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Location of seal(s)? _____ Sealing Lid? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were signature and date included? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were seals intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were custody seals on outside of sample container? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Location of seal(s)? _____ Sealing Lid? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were signature and date included? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were seals intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 11 Do containers have appropriate preservation , according to method/SOP or Client specified information? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Is there a client indication that the submitted samples are pH preserved? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were VOA vials checked for presence/absence of air bubbles? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Does the client/method/SOP require that the analyst check the sample pH and <u>if necessary</u> alter it? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 12 Tubes: Are the tubes capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Do they contain moisture? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 13 Badges: Are the badges properly capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Are dual bed badges separated and individually capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

| Lab Sample ID | Container Description | Required pH * | Received pH | Adjusted pH | VOA Headspace (Presence/Absence) | Receipt / Preservation Comments |
|-----------------|--------------------------------|---------------|-------------|-------------|-------------------------------------|------------------------------------|
| P1404683-001.01 | 1.0 L Source Silonite Canister | | | | | |
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Explain any discrepancies: (include lab sample ID numbers): _____

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: Barr Engineering

Client Project ID: Enbridge MP-85 Exland WI / 49/55-0029-004 2014.001

ALS Project ID: P1404683

Total Petroleum Hydrocarbons (TPH) as Gasoline

Test Code: EPA TO-3 Modified
Instrument ID: HP 5890 II/GC19/FID
Analyst: Wade Henton
Sampling Media: 1.0 L Silonite Summa Canister(s)
Test Notes:

Date(s) Collected: 11/13/14

Date Received: 11/17/14

Date Analyzed: 11/21/14

| Client Sample ID | ALS Sample ID | Canister | Injection | Result | MRL | Result | MRL | Data |
|------------------|---------------|----------|-----------|-------------------|-------------------|--------|-----|------|
| | | Dilution | Volume | | | | | |
| | | Factor | ml(s) | mg/m ³ | mg/m ³ | | | |
| SVE EFFLUENT | P1404683-001 | 1.34 | 1.0 | ND | 24 | ND | 6.8 | |
| Method Blank | P141121-MB | 1.00 | 1.0 | ND | 18 | ND | 5.1 | |

Parts Per Million results are based on a Molecular Weight of 86.18.

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: Barr Engineering
Client Project ID: Enbridge MP-85 Exland WI / 49/55-0029-004 2014.001

ALS Project ID: P1404683

Benzene

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
Analyst: Lusine Hakobyan
Sample Type: 1.0 L Silonite Summa Canister(s)
Test Notes:

Date(s) Collected: 11/13/14
Date Received: 11/17/14
Date Analyzed: 11/24/14

| Client Sample ID | ALS Sample ID | Injection | Canister | Result | MRL | Result | MRL | Data |
|------------------|---------------|-----------|----------|-------------------|-------------------|--------|---------|-----------|
| | | Volume | Dilution | | | | | |
| | | ml(s) | Factor | mg/m ³ | mg/m ³ | ppmV | ppmV | Qualifier |
| SVE EFFLUENT | P1404683-001 | 400 | 1.34 | ND | 0.0017 | ND | 0.00052 | |
| Method Blank | P141124-MB | 1,000 | 1.00 | ND | 0.00050 | ND | 0.00016 | |

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

SURROGATE SPIKE RECOVERY RESULTS

Page 1 of 1

Client: Barr Engineering
Client Project ID: Enbridge MP-85 Exland WI / 49/55-0029-004 2014.001

ALS Project ID: P1404683

Test Code: EPA TO-15
 Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
 Analyst: Lusine Hakobyan
 Sample Type: 1.0 L Silonite Summa Canister(s)
 Test Notes:

Date(s) Collected: 11/13/14
 Date(s) Received: 11/17/14
 Date(s) Analyzed: 11/24/14

| Client Sample ID | ALS Sample ID | 1,2-Dichloroethane-d4 | Toluene-d8 | Bromofluorobenzene | Acceptance Limits | Data Qualifier |
|------------------|---------------|-----------------------|-------------------|--------------------|-------------------|----------------|
| | | Percent Recovered | Percent Recovered | Percent Recovered | | |
| Method Blank | P141124-MB | 98 | 105 | 102 | 70-130 | |
| SVE EFFLUENT | P1404683-001 | 94 | 99 | 98 | 70-130 | |

Surrogate percent recovery is verified and accepted based on the on-column result.

Reported results are shown in concentration units and as a result of the calculation, may vary slightly from the on-column percent recovery.



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www.alsglobal.com

LABORATORY REPORT

December 16, 2014

Hans Wronka
Barr Engineering
4700 West 77th Street
Minneapolis, MN 55435

RE: Enbridge MP-85 Exland Wi / 49/55-0029-00Y 2014.001

Dear Hans:

Enclosed are the results of the sample submitted to our laboratory on December 15, 2014. For your reference, these analyses have been assigned our service request number P1405046.

All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP and DoD-ELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

If you have any questions, please call me at (805) 526-7161.

Respectfully submitted,

ALS | Environmental

By Kelly Horiuchi at 11:57 am, Dec 30, 2014

Kelly Horiuchi
Laboratory Director



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F: +1 805 526 7270
www.alsglobal.com

Client: Barr Engineering
Project: Enbridge MP-85 Exland Wi / 49/55-0029-00Y 2014.001

Service Request No: P1405046

CASE NARRATIVE

The sample was received intact under chain of custody on December 15, 2014 and was stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the sample at the time of sample receipt.

Total Petroleum Hydrocarbons as Gasoline Analysis

The sample was analyzed for total petroleum hydrocarbons (TPH) as gasoline per modified EPA Method TO-3 using a gas chromatograph equipped with a flame ionization detector (FID). This procedure is described in laboratory SOP VOA-TPHG_TO3. This method is not included on the laboratory's NELAP or AIHA-LAP scope of accreditation.

Volatile Organic Compound Analysis

The sample was also analyzed for benzene in accordance with EPA Method TO-15 from the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition (EPA/625/R-96/010b), January, 1999. This procedure is described in laboratory SOP VOA-TO15. The analytical system was comprised of a gas chromatograph / mass spectrometer (GC/MS) interfaced to a whole-air preconcentrator. This method is not included on the laboratory's AIHA-LAP scope of accreditation. Any analytes flagged with an X are not included on the laboratory's NELAP or DoD-ELAP scope of accreditation.

The Summa canister was cleaned, prior to sampling, down to the method reporting limit (MRL) reported for this project. Please note, projects which require reporting below the MRL could have results between the MRL and method detection limit (MDL) that are biased high.

The results of analyses are given in the attached laboratory report. All results are intended to be considered in their entirety, and ALS Environmental (ALS) is not responsible for utilization of less than the complete report.

Use of ALS Environmental (ALS)'s Name. Client shall not use ALS's name or trademark in any marketing or reporting materials, press releases or in any other manner ("Materials") whatsoever and shall not attribute to ALS any test result, tolerance or specification derived from ALS's data ("Attribution") without ALS's prior written consent, which may be withheld by ALS for any reason in its sole discretion. To request ALS's consent, Client shall provide copies of the proposed Materials or Attribution and describe in writing Client's proposed use of such Materials or Attribution. If ALS has not provided written approval of the Materials or Attribution within ten (10) days of receipt from Client, Client's request to use ALS's name or trademark in any Materials or Attribution shall be deemed denied. ALS may, in its discretion, reasonably charge Client for its time in reviewing Materials or Attribution requests. Client acknowledges and agrees that the unauthorized use of ALS's name or trademark may cause ALS to incur irreparable harm for which the recovery of money damages will be inadequate. Accordingly, Client acknowledges and agrees that a violation shall justify preliminary injunctive relief. For questions contact the laboratory.



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 Simi Valley, CA 93065
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ALS Environmental – Simi Valley

CERTIFICATIONS, ACCREDITATIONS, AND REGISTRATIONS

| Agency | Web Site | Number |
|------------------------|---|-------------------------|
| AIHA | http://www.aihaaccreditedlabs.org | 101661 |
| Arizona DHS | http://www.azdhs.gov/lab/license/env.htm | AZ0694 |
| DoD ELAP | http://www.pjlab.com/search-accredited-labs | L14-2 |
| Florida DOH (NELAP) | http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm | E871020 |
| Maine DHHS | http://www.maine.gov/dhhs/mecdc/environmental-health/water/dwp-services/labcert/labcert.htm | 2014025 |
| Minnesota DOH (NELAP) | http://www.health.state.mn.us/accreditation | 838341 |
| New Jersey DEP (NELAP) | http://www.nj.gov/dep/oqa/ | CA009 |
| New York DOH (NELAP) | http://www.wadsworth.org/labcert/elap/elap.html | 11221 |
| Oregon PHD (NELAP) | http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx | CA200007 |
| Pennsylvania DEP | http://www.depweb.state.pa.us/labs | 68-03307 (Registration) |
| Texas CEQ (NELAP) | http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html | T104704413-14-5 |
| Utah DOH (NELAP) | http://www.health.utah.gov/lab/labimp/certification/index.html | CA01627201 4-4 |
| Washington DOE | http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html | C946 |

Analyses were performed according to our laboratory's NELAP and DoD-ELAP approved quality assurance program. A complete listing of specific NELAP and DoD-ELAP certified analytes can be found in the certifications section at www.alsglobal.com, or at the accreditation body's website.

Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact the laboratory for information corresponding to a particular certification.

ALS ENVIRONMENTAL

DETAIL SUMMARY REPORT

Client: Barr Engineering
 Project ID: Enbridge MP-85 Exland Wi / 49/55-0029-00Y 2014.001

Service Request: P1405046

Date Received: 12/15/2014
 Time Received: 10:20

| | |
|--------------------------|------------------|
| TO-3 Modified - TPHG Can | TO-15 - VOC Cans |
|--------------------------|------------------|

| Client Sample ID | Lab Code | Matrix | Date Collected | Time Collected | Container ID | Pi1 (psig) | Pf1 (psig) | TO-3 Modified - TPHG Can | TO-15 - VOC Cans |
|------------------|--------------|--------|----------------|----------------|--------------|------------|------------|--------------------------|------------------|
| SVE EFFLUENT | P1405046-001 | Air | 12/11/2014 | 11:00 | 1SC01234 | 0.30 | 5.45 | X | X |

2655 Park Center Drive, Suite A
 Simi Valley, California 93065
 Phone (805) 526-7161
 Fax (805) 526-7270

Requested Turnaround Time in Business Days (Surcharges) please circle
 1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10 Day-Standard

CAS Project No. **P1405046**

| | | | | | | | | | | | |
|--|--|----------------------------|--|--|--|--|--|------------------------------|--|---|--|
| Company Name & Address (Reporting Information) Barr Engineering 4700 West 77th Street Minneapolis Minn | | | | Project Name Enbridge MP-85 Exland WI | | | | CAS Contact: | | Analysis Method TPACAS TO-15 BENZENE ONLY X | Comments e.g. Actual Preservative or specific instructions |
| Project Manager Tom Aspica | | | | Project Number 4955-0029-004-2014-001 | | | | P.O. # / Billing Information | | | |
| Phone 952-832-2777 | | Fax 952-832-7601 | | Sampler (Print & Sign) WARD MITCHELL Ward Mitchell | | | | | | | |
| Email Address for Result Reporting Jaspica@barr.com | | | | | | | | | | | |

| Client Sample ID | Laboratory ID Number | Date Collected | Time Collected | Canister ID (Bar code # - AC, SC, etc.) | Flow Controller ID (Bar code # - FC #) | Canister Start Pressure "Hg | Canister End Pressure "Hg/psig | Sample Volume | | |
|---------------------|----------------------|-----------------|-----------------|---|--|-----------------------------|--------------------------------|---------------|--|--|
| SUE EFFLUENT | 1060 | 12-11-11 | 11:00 AM | | | | | | | |
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Report Tier Levels - please select

Tier I - Results (Default if not specified) _____
 Tier II (Results + QC Summaries) _____
 Tier III (Results + QC & Calibration Summaries) _____
 Tier IV (Data Validation Package) 10% Surcharge _____

EDD required Yes / No
 Type: _____

Project Requirements (MRLs, QAPP)

| | | | | | |
|--|--------------------------|--------------------------|--|--------------------------|-----------------------|
| Relinquished by: (Signature) <i>Ward Mitchell</i> | Date: 12/12/11 | Time: 10:00 AM | Received by: (Signature) <i>[Signature]</i> | Date: 12/15/14 | Time: 10:20 |
| Relinquished by: (Signature) | Date: | Time: | Received by: (Signature) | Date: | Time: |

Cooler / Blank Temperature _____ °C

5 of 9

**ALS Environmental
Sample Acceptance Check Form**

Client: Barr Engineering

Work order: P1405046

Project: Enbridge MP-85 Exland Wi / 49/55-0029-00Y 2014.001

Sample(s) received on: 12/15/14

Date opened: 12/15/14

by: RMARTENIES

Note: This form is used for all samples received by ALS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client and/or as required by the method/SOP.

- | | Yes | No | N/A |
|--|-------------------------------------|-------------------------------------|-------------------------------------|
| 1 Were sample containers properly marked with client sample ID? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2 Container(s) supplied by ALS ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3 Did sample containers arrive in good condition? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4 Were chain-of-custody papers used and filled out? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5 Did sample container labels and/or tags agree with custody papers? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6 Was sample volume received adequate for analysis? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7 Are samples within specified holding times? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8 Was proper temperature (thermal preservation) of cooler at receipt adhered to? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 9 Was a trip blank received? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 10 Were custody seals on outside of cooler/Box? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Location of seal(s)? _____ Sealing Lid? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were signature and date included? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were seals intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were custody seals on outside of sample container? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Location of seal(s)? _____ Sealing Lid? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were signature and date included? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were seals intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 11 Do containers have appropriate preservation , according to method/SOP or Client specified information? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Is there a client indication that the submitted samples are pH preserved? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were VOA vials checked for presence/absence of air bubbles? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Does the client/method/SOP require that the analyst check the sample pH and <u>if necessary</u> alter it? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 12 Tubes: Are the tubes capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Do they contain moisture? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 13 Badges: Are the badges properly capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Are dual bed badges separated and individually capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

| Lab Sample ID | Container Description | Required pH * | Received pH | Adjusted pH | VOA Headspace (Presence/Absence) | Receipt / Preservation Comments |
|-----------------|-----------------------|---------------|-------------|-------------|-------------------------------------|------------------------------------|
| P1405046-001.01 | 1.0 L Source Can | | | | | |
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Explain any discrepancies: (include lab sample ID numbers): _____

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: Barr Engineering

Client Project ID: Enbridge MP-85 Exland Wi / 49/55-0029-00Y 2014.001

ALS Project ID: P1405046

Total Petroleum Hydrocarbons (TPH) as Gasoline

Test Code: EPA TO-3 Modified
 Instrument ID: HP 5890 II/GC19/FID
 Analyst: Wade Henton
 Sampling Media: 1.0 L Summa Canister(s)
 Test Notes:

Date(s) Collected: 12/11/14
 Date Received: 12/15/14
 Date Analyzed: 12/16/14

| Client Sample ID | ALS Sample ID | Canister | Injection | Result mg/m ³ | MRL mg/m ³ | Result ppmV | MRL ppmV | Data Qualifier |
|------------------|---------------|--------------------|-----------------|-----------------------------|--------------------------|----------------|-------------|-------------------|
| | | Dilution Factor | Volume ml(s) | | | | | |
| SVE EFFLUENT | P1405046-001 | 1.34 | 1.0 | ND | 24 | ND | 6.8 | |
| Method Blank | P141216-MB | 1.00 | 1.0 | ND | 18 | ND | 5.1 | |

Parts Per Million results are based on a Molecular Weight of 86.18.

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: Barr Engineering
Client Project ID: Enbridge MP-85 Exland Wi / 49/55-0029-00Y 2014.001

ALS Project ID: P1405046

Benzene

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Simon Cao
Sample Type: 1.0 L Summa Canister(s)
Test Notes:

Date(s) Collected: 12/11/14
Date Received: 12/15/14
Date Analyzed: 12/17/14

| Client Sample ID | ALS Sample ID | Injection | Canister | Result | MRL | Result | MRL | Data |
|------------------|---------------|-----------|----------|--------|---------|--------|---------|------|
| | | Volume | Dilution | | | | | |
| | | ml(s) | Factor | | | | | |
| SVE EFFLUENT | P1405046-001 | 400 | 1.34 | ND | 0.0017 | ND | 0.00052 | |
| Method Blank | P141217-MB | 1,000 | 1.00 | ND | 0.00050 | ND | 0.00016 | |

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

SURROGATE SPIKE RECOVERY RESULTS

Page 1 of 1

Client: Barr Engineering
Client Project ID: Enbridge MP-85 Exland Wi / 49/55-0029-00Y 2014.001

ALS Project ID: P1405046

Test Code: EPA TO-15
 Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
 Analyst: Simon Cao
 Sample Type: 1.0 L Summa Canister(s)
 Test Notes:

Date(s) Collected: 12/11/14
 Date(s) Received: 12/15/14
 Date(s) Analyzed: 12/17/14

| Client Sample ID | ALS Sample ID | 1,2-Dichloroethane-d4 | Toluene-d8 | Bromofluorobenzene | Acceptance Limits | Data Qualifier |
|------------------|---------------|-----------------------|-------------------|--------------------|-------------------|----------------|
| | | Percent Recovered | Percent Recovered | Percent Recovered | | |
| Method Blank | P141217-MB | 96 | 101 | 100 | 70-130 | |
| SVE EFFLUENT | P1405046-001 | 95 | 94 | 97 | 70-130 | |

Surrogate percent recovery is verified and accepted based on the on-column result.

Reported results are shown in concentration units and as a result of the calculation, may vary slightly from the on-column percent recovery.

July 24, 2014

Margaret Treanor
Barr Engineering Co.
4700 West 77th Street
Minneapolis, MN 55435

RE: Project: ENBRIDGE MP85 Exland49/55-0029
Pace Project No.: 40100046

Dear Margaret Treanor:

Enclosed are the analytical results for sample(s) received by the laboratory on July 19, 2014. 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: Andrea Nord, Barr Engineering Co.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 40100046

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

New York Certification #: 11888

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

US Dept of Agriculture #: S-76505

Wisconsin Certification #: 405132750

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 40100046

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|-----------|--------|----------------|----------------|
| 40100046001 | MW-33 | Water | 07/17/14 11:30 | 07/19/14 09:10 |
| 40100046002 | MW-34 | Water | 07/17/14 10:35 | 07/19/14 09:10 |
| 40100046003 | MW-7 | Water | 07/17/14 11:55 | 07/19/14 09:10 |

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 40100046

| Lab ID | Sample ID | Method | Analysts | Analytes Reported |
|-------------|-----------|----------|----------|-------------------|
| 40100046001 | MW-33 | EPA 8260 | HNW | 9 |
| 40100046002 | MW-34 | EPA 8260 | HNW | 9 |
| 40100046003 | MW-7 | EPA 8260 | HNW | 9 |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 40100046

| Sample: MW-33 | | Lab ID: 40100046001 | Collected: 07/17/14 11:30 | Received: 07/19/14 09:10 | Matrix: Water | | | |
|--------------------------|---------|-----------------------------|---------------------------|--------------------------|---------------|----------------|-----------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 MSV UST | | Analytical Method: EPA 8260 | | | | | | |
| Benzene | 21.0 | ug/L | 1.0 | 1 | | 07/22/14 10:05 | 71-43-2 | |
| Ethylbenzene | 71.6 | ug/L | 1.0 | 1 | | 07/22/14 10:05 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 07/22/14 10:05 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | 5.6 | ug/L | 1.0 | 1 | | 07/22/14 10:05 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | 38.4 | ug/L | 1.0 | 1 | | 07/22/14 10:05 | 108-67-8 | |
| Xylene (Total) | 13.3 | ug/L | 3.0 | 1 | | 07/22/14 10:05 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 97 | % | 70-130 | 1 | | 07/22/14 10:05 | 1868-53-7 | |
| Toluene-d8 (S) | 98 | % | 70-130 | 1 | | 07/22/14 10:05 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 104 | % | 59-130 | 1 | | 07/22/14 10:05 | 460-00-4 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 40100046

| Sample: MW-34 | | Lab ID: 40100046002 | Collected: 07/17/14 10:35 | Received: 07/19/14 09:10 | Matrix: Water | | | |
|--------------------------|---------|-----------------------------|---------------------------|--------------------------|---------------|----------------|-----------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 MSV UST | | Analytical Method: EPA 8260 | | | | | | |
| Benzene | 19.5 | ug/L | 1.0 | 1 | | 07/23/14 12:35 | 71-43-2 | |
| Ethylbenzene | 41.3 | ug/L | 1.0 | 1 | | 07/23/14 12:35 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 07/23/14 12:35 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | <1.0 | ug/L | 1.0 | 1 | | 07/23/14 12:35 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | 19.6 | ug/L | 1.0 | 1 | | 07/23/14 12:35 | 108-67-8 | |
| Xylene (Total) | <3.0 | ug/L | 3.0 | 1 | | 07/23/14 12:35 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 96 | % | 70-130 | 1 | | 07/23/14 12:35 | 1868-53-7 | |
| Toluene-d8 (S) | 99 | % | 70-130 | 1 | | 07/23/14 12:35 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 102 | % | 59-130 | 1 | | 07/23/14 12:35 | 460-00-4 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 40100046

| Sample: MW-7 | | Lab ID: 40100046003 | Collected: 07/17/14 11:55 | Received: 07/19/14 09:10 | Matrix: Water | | | |
|--------------------------|-------------|-----------------------------|---------------------------|--------------------------|---------------|----------------|-----------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 MSV UST | | Analytical Method: EPA 8260 | | | | | | |
| Benzene | 60.6 | ug/L | 1.0 | 1 | | 07/23/14 12:58 | 71-43-2 | |
| Ethylbenzene | 59.1 | ug/L | 1.0 | 1 | | 07/23/14 12:58 | 100-41-4 | |
| Toluene | 13.8 | ug/L | 1.0 | 1 | | 07/23/14 12:58 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | 87.5 | ug/L | 1.0 | 1 | | 07/23/14 12:58 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | 23.7 | ug/L | 1.0 | 1 | | 07/23/14 12:58 | 108-67-8 | |
| Xylene (Total) | 399 | ug/L | 3.0 | 1 | | 07/23/14 12:58 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 96 % | | 70-130 | 1 | | 07/23/14 12:58 | 1868-53-7 | |
| Toluene-d8 (S) | 96 % | | 70-130 | 1 | | 07/23/14 12:58 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 104 % | | 59-130 | 1 | | 07/23/14 12:58 | 460-00-4 | |

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 40100046

QC Batch: MSV/25043

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV UST-WATER

Associated Lab Samples: 40100046001

METHOD BLANK: 1010315

Matrix: Water

Associated Lab Samples: 40100046001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--------------------------|-------|--------------|-----------------|----------------|------------|
| 1,2,4-Trimethylbenzene | ug/L | <1.0 | 1.0 | 07/22/14 06:33 | |
| 1,3,5-Trimethylbenzene | ug/L | <1.0 | 1.0 | 07/22/14 06:33 | |
| Benzene | ug/L | <1.0 | 1.0 | 07/22/14 06:33 | |
| Ethylbenzene | ug/L | <1.0 | 1.0 | 07/22/14 06:33 | |
| Toluene | ug/L | <1.0 | 1.0 | 07/22/14 06:33 | |
| Xylene (Total) | ug/L | <3.0 | 3.0 | 07/22/14 06:33 | |
| 4-Bromofluorobenzene (S) | % | 93 | 59-130 | 07/22/14 06:33 | |
| Dibromofluoromethane (S) | % | 107 | 70-130 | 07/22/14 06:33 | |
| Toluene-d8 (S) | % | 95 | 70-130 | 07/22/14 06:33 | |

LABORATORY CONTROL SAMPLE & LCSD: 1010316

1010317

| Parameter | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
|--------------------------|-------|-------------|------------|-------------|-----------|------------|--------------|-----|---------|------------|
| Benzene | ug/L | 20 | 16.7 | 16.0 | 83 | 80 | 70-130 | 4 | 20 | |
| Ethylbenzene | ug/L | 20 | 18.0 | 18.0 | 90 | 90 | 70-130 | 0 | 20 | |
| Toluene | ug/L | 20 | 18.4 | 18.3 | 92 | 91 | 70-130 | 1 | 20 | |
| Xylene (Total) | ug/L | 60 | 58.0 | 56.2 | 97 | 94 | 70-130 | 3 | 20 | |
| 4-Bromofluorobenzene (S) | % | | | | 108 | 108 | 59-130 | | | |
| Dibromofluoromethane (S) | % | | | | 102 | 103 | 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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QUALITY CONTROL DATA

Project: ENBRIDGE MP85 Exland49/55-0029
 Pace Project No.: 40100046

QC Batch: MSV/25066 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
 Associated Lab Samples: 40100046002, 40100046003

METHOD BLANK: 1011374 Matrix: Water
 Associated Lab Samples: 40100046002, 40100046003

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--------------------------|-------|--------------|-----------------|----------------|------------|
| 1,2,4-Trimethylbenzene | ug/L | <1.0 | 1.0 | 07/23/14 07:53 | |
| 1,3,5-Trimethylbenzene | ug/L | <1.0 | 1.0 | 07/23/14 07:53 | |
| Benzene | ug/L | <1.0 | 1.0 | 07/23/14 07:53 | |
| Ethylbenzene | ug/L | <1.0 | 1.0 | 07/23/14 07:53 | |
| Toluene | ug/L | <1.0 | 1.0 | 07/23/14 07:53 | |
| Xylene (Total) | ug/L | <3.0 | 3.0 | 07/23/14 07:53 | |
| 4-Bromofluorobenzene (S) | % | 92 | 59-130 | 07/23/14 07:53 | |
| Dibromofluoromethane (S) | % | 108 | 70-130 | 07/23/14 07:53 | |
| Toluene-d8 (S) | % | 94 | 70-130 | 07/23/14 07:53 | |

LABORATORY CONTROL SAMPLE & LCSD: 1011375 1011376

| Parameter | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
|--------------------------|-------|-------------|------------|-------------|-----------|------------|--------------|-----|---------|------------|
| Benzene | ug/L | 50 | 49.3 | 48.4 | 99 | 97 | 70-130 | 2 | 20 | |
| Ethylbenzene | ug/L | 50 | 58.9 | 58.7 | 118 | 117 | 70-130 | 0 | 20 | |
| Toluene | ug/L | 50 | 55.0 | 54.9 | 110 | 110 | 70-130 | 0 | 20 | |
| Xylene (Total) | ug/L | 150 | 180 | 179 | 120 | 120 | 70-130 | 1 | 20 | |
| 4-Bromofluorobenzene (S) | % | | | | 107 | 107 | 59-130 | | | |
| Dibromofluoromethane (S) | % | | | | 102 | 100 | 70-130 | | | |
| Toluene-d8 (S) | % | | | | 95 | 95 | 70-130 | | | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1011377 1011378

| Parameter | Units | MS | | MSD | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|--------------------------|-------|--------------------|-------------|-------------|-----------|----------|-----------|--------------|--------|---------|------|
| | | 40100130002 Result | Spike Conc. | Spike Conc. | MS Result | | | | | | |
| Benzene | ug/L | 19.2 | 50 | 50 | 65.8 | 66.2 | 93 | 94 | 70-130 | 1 | 20 |
| Ethylbenzene | ug/L | 8.9 | 50 | 50 | 68.0 | 68.8 | 118 | 120 | 70-130 | 1 | 20 |
| Toluene | ug/L | 7.3 | 50 | 50 | 60.8 | 61.8 | 107 | 109 | 70-130 | 2 | 20 |
| Xylene (Total) | ug/L | 15.7 | 150 | 150 | 194 | 196 | 119 | 120 | 70-132 | 1 | 20 |
| 4-Bromofluorobenzene (S) | % | | | | | | 107 | 106 | 59-130 | | |
| Dibromofluoromethane (S) | % | | | | | | 101 | 100 | 70-130 | | |
| Toluene-d8 (S) | % | | | | | | 96 | 96 | 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: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 40100046

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

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 (8270 listed analyte) decomposes to Azobenzene.

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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 40100046

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|-----------|-----------------|-----------|-------------------|------------------|
| 40100046001 | MW-33 | EPA 8260 | MSV/25043 | | |
| 40100046002 | MW-34 | EPA 8260 | MSV/25066 | | |
| 40100046003 | MW-7 | EPA 8260 | MSV/25066 | | |

REPORT OF LABORATORY ANALYSIS

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Sample Condition Upon Receipt

Pace Analytical Services, Inc
1241 Bellevue Street, Suite 6
Green Bay, WI 54302

Project #: **WO# : 40100046**



Client Name: BARR

Courier: Fed Ex UPS Client Pace Other: Waltco

Tracking #: 597857

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: Ref / Corr: Ref Biological Tissue is Frozen: yes no

Temp Blank Present: yes no no

Person examining contents:
Date: 7-19-14
Initials: KB

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 type="checkbox"/> Yes <input checked="" 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | |
| -Pace IR Containers Used: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input 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. <i>No time on samples</i> |
| -Includes date/time/ID/Analysis Matrix: <u>W</u> | | <u>7-19-14 KB</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. |
| 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> , 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. |
| 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: W for DM Date: 7/19/14

August 27, 2014

Margaret Treanor
Barr Engineering Co.
4700 West 77th Street
Minneapolis, MN 55435

RE: Project: ENBRIDGE MP85 Exland49/55-0029
Pace Project No.: 40102057

Dear Margaret Treanor:

Enclosed are the analytical results for sample(s) received by the laboratory on August 21, 2014. 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: Andrea Nord, Barr Engineering Co.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 40102057

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

New York Certification #: 11888

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

US Dept of Agriculture #: S-76505

Wisconsin Certification #: 405132750

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 40102057

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|-----------|--------|----------------|----------------|
| 40102057001 | MW-34 | Water | 08/19/14 12:30 | 08/21/14 08:30 |
| 40102057002 | MW-33 | Water | 08/19/14 13:10 | 08/21/14 08:30 |
| 40102057003 | MW-7 | Water | 08/19/14 13:40 | 08/21/14 08:30 |

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 40102057

| Lab ID | Sample ID | Method | Analysts | Analytes Reported |
|-------------|-----------|----------|----------|-------------------|
| 40102057001 | MW-34 | EPA 8260 | LAP | 9 |
| 40102057002 | MW-33 | EPA 8260 | LAP | 9 |
| 40102057003 | MW-7 | EPA 8260 | LAP | 9 |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 40102057

| Sample: MW-34 | | Lab ID: 40102057001 | Collected: 08/19/14 12:30 | Received: 08/21/14 08:30 | Matrix: Water | | | |
|--------------------------|---------|-----------------------------|---------------------------|--------------------------|---------------|----------------|-----------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 MSV UST | | Analytical Method: EPA 8260 | | | | | | |
| Benzene | 24.1 | ug/L | 1.0 | 1 | | 08/25/14 17:23 | 71-43-2 | |
| Ethylbenzene | 46.9 | ug/L | 1.0 | 1 | | 08/25/14 17:23 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 08/25/14 17:23 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | 3.1 | ug/L | 1.0 | 1 | | 08/25/14 17:23 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | 21.5 | ug/L | 1.0 | 1 | | 08/25/14 17:23 | 108-67-8 | |
| Xylene (Total) | 7.0 | ug/L | 3.0 | 1 | | 08/25/14 17:23 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 100 | % | 70-130 | 1 | | 08/25/14 17:23 | 1868-53-7 | |
| Toluene-d8 (S) | 101 | % | 70-130 | 1 | | 08/25/14 17:23 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 100 | % | 59-130 | 1 | | 08/25/14 17:23 | 460-00-4 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 40102057

| Sample: MW-33 | | Lab ID: 40102057002 | Collected: 08/19/14 13:10 | Received: 08/21/14 08:30 | Matrix: Water | | | |
|--------------------------|---------|-----------------------------|---------------------------|--------------------------|---------------|----------------|-----------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 MSV UST | | Analytical Method: EPA 8260 | | | | | | |
| Benzene | 35.2 | ug/L | 1.0 | 1 | | 08/25/14 17:01 | 71-43-2 | |
| Ethylbenzene | 93.5 | ug/L | 1.0 | 1 | | 08/25/14 17:01 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 08/25/14 17:01 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | 19.2 | ug/L | 1.0 | 1 | | 08/25/14 17:01 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | 43.0 | ug/L | 1.0 | 1 | | 08/25/14 17:01 | 108-67-8 | |
| Xylene (Total) | 30.1 | ug/L | 3.0 | 1 | | 08/25/14 17:01 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 104 | % | 70-130 | 1 | | 08/25/14 17:01 | 1868-53-7 | |
| Toluene-d8 (S) | 103 | % | 70-130 | 1 | | 08/25/14 17:01 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 101 | % | 59-130 | 1 | | 08/25/14 17:01 | 460-00-4 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 40102057

| Sample: MW-7 | | Lab ID: 40102057003 | Collected: 08/19/14 13:40 | Received: 08/21/14 08:30 | Matrix: Water | | | |
|--------------------------|-------------|-----------------------------|---------------------------|--------------------------|---------------|----------------|-----------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 MSV UST | | Analytical Method: EPA 8260 | | | | | | |
| Benzene | 80.2 | ug/L | 1.0 | 1 | | 08/25/14 17:45 | 71-43-2 | |
| Ethylbenzene | 78.1 | ug/L | 1.0 | 1 | | 08/25/14 17:45 | 100-41-4 | |
| Toluene | 28.1 | ug/L | 1.0 | 1 | | 08/25/14 17:45 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | 106 | ug/L | 1.0 | 1 | | 08/25/14 17:45 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | 31.6 | ug/L | 1.0 | 1 | | 08/25/14 17:45 | 108-67-8 | |
| Xylene (Total) | 513 | ug/L | 3.0 | 1 | | 08/25/14 17:45 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 98 % | | 70-130 | 1 | | 08/25/14 17:45 | 1868-53-7 | |
| Toluene-d8 (S) | 100 % | | 70-130 | 1 | | 08/25/14 17:45 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 101 % | | 59-130 | 1 | | 08/25/14 17:45 | 460-00-4 | |

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QUALITY CONTROL DATA

Project: ENBRIDGE MP85 Exland49/55-0029
Pace Project No.: 40102057

QC Batch: MSV/25461 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 40102057001, 40102057002, 40102057003

METHOD BLANK: 1032071 Matrix: Water
Associated Lab Samples: 40102057001, 40102057002, 40102057003

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--------------------------|-------|--------------|-----------------|----------------|------------|
| 1,2,4-Trimethylbenzene | ug/L | <1.0 | 1.0 | 08/25/14 08:56 | |
| 1,3,5-Trimethylbenzene | ug/L | <1.0 | 1.0 | 08/25/14 08:56 | |
| Benzene | ug/L | <1.0 | 1.0 | 08/25/14 08:56 | |
| Ethylbenzene | ug/L | <1.0 | 1.0 | 08/25/14 08:56 | |
| Toluene | ug/L | <1.0 | 1.0 | 08/25/14 08:56 | |
| Xylene (Total) | ug/L | <3.0 | 3.0 | 08/25/14 08:56 | |
| 4-Bromofluorobenzene (S) | % | 98 | 59-130 | 08/25/14 08:56 | |
| Dibromofluoromethane (S) | % | 104 | 70-130 | 08/25/14 08:56 | |
| Toluene-d8 (S) | % | 101 | 70-130 | 08/25/14 08:56 | |

LABORATORY CONTROL SAMPLE & LCSD: 1032072

| Parameter | Units | 1032073 | | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
|--------------------------|-------|-------------|------------|-----------|------------|--------------|-----|---------|------------|
| | | Spike Conc. | LCS Result | | | | | | |
| Benzene | ug/L | 50 | 52.3 | 105 | 102 | 70-130 | 3 | 20 | |
| Ethylbenzene | ug/L | 50 | 57.5 | 115 | 113 | 70-130 | 1 | 20 | |
| Toluene | ug/L | 50 | 55.0 | 110 | 109 | 70-130 | 1 | 20 | |
| Xylene (Total) | ug/L | 150 | 169 | 113 | 112 | 70-130 | 1 | 20 | |
| 4-Bromofluorobenzene (S) | % | | | 106 | 104 | 59-130 | | | |
| Dibromofluoromethane (S) | % | | | 106 | 106 | 70-130 | | | |
| Toluene-d8 (S) | % | | | 99 | 100 | 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: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 40102057

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

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 (8270 listed analyte) decomposes to Azobenzene.

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: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 40102057

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|-----------|-----------------|-----------|-------------------|------------------|
| 40102057001 | MW-34 | EPA 8260 | MSV/25461 | | |
| 40102057002 | MW-33 | EPA 8260 | MSV/25461 | | |
| 40102057003 | MW-7 | EPA 8260 | MSV/25461 | | |

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Sample Condition Upon Receipt

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

Project # **WO# : 40102057**

Client Name: Barr

Courier: Fed Ex UPS Client Pace Other: Walter
Tracking #: 618934



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: Ice Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature: Uncorr: R Corr: 0 Biological Tissue is Frozen: yes no

Temp Blank Present: yes no

Person examining contents:
Date: 8-21-14
Initials: KB

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 type="checkbox"/> Yes <input checked="" 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. 003 has no preservative listed on bottle but COC has it listed as HCl 8-21-14 KB |
| -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. Time on 2 vials of 001 is 1236, no time on 002 & 003 8-21-14 KB |
| -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) exceptions: <u>VOA</u> , coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| Headspace in VOA Vials (>6mm): | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 14. <u>1 vial 003</u> 8-21-14 KB |
| Trip Blank Present: | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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: WJ for DM Date: 8/21/14

September 25, 2014

Margaret Treanor
Barr Engineering Co.
4700 West 77th Street
Minneapolis, MN 55435

RE: Project: ENBRIDGE MP85 EXLAND49/55-0029
Pace Project No.: 40103625

Dear Margaret Treanor:

Enclosed are the analytical results for sample(s) received by the laboratory on September 19, 2014. 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: Andrea Nord, Barr Engineering Co.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: ENBRIDGE MP85 EXLAND49/55-0029

Pace Project No.: 40103625

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

New York Certification #: 11888

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

US Dept of Agriculture #: S-76505

Wisconsin Certification #: 405132750

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SAMPLE SUMMARY

Project: ENBRIDGE MP85 EXLAND49/55-0029

Pace Project No.: 40103625

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|------------|--------|----------------|----------------|
| 40103625001 | MW-21 | Water | 09/17/14 08:55 | 09/19/14 07:30 |
| 40103625002 | MW-16 | Water | 09/17/14 10:20 | 09/19/14 07:30 |
| 40103625003 | MW-15 | Water | 09/17/14 09:45 | 09/19/14 07:30 |
| 40103625004 | MW-14 | Water | 09/17/14 12:58 | 09/19/14 07:30 |
| 40103625005 | MW-8 | Water | 09/17/14 13:16 | 09/19/14 07:30 |
| 40103625006 | MW-6 | Water | 09/17/14 12:40 | 09/19/14 07:30 |
| 40103625007 | MW-2 | Water | 09/17/14 13:28 | 09/19/14 07:30 |
| 40103625008 | MW-34 | Water | 09/17/14 11:10 | 09/19/14 07:30 |
| 40103625009 | MW-33 | Water | 09/17/14 11:45 | 09/19/14 07:30 |
| 40103625010 | MW-5 | Water | 09/17/14 13:15 | 09/19/14 07:30 |
| 40103625011 | MW-7 | Water | 09/17/14 13:30 | 09/19/14 07:30 |
| 40103625012 | MW-11 | Water | 09/17/14 14:00 | 09/19/14 07:30 |
| 40103625013 | M-1 | Water | 09/17/14 08:00 | 09/19/14 07:30 |
| 40103625014 | TRIP BLANK | Water | 09/17/14 08:00 | 09/19/14 07:30 |

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SAMPLE ANALYTE COUNT

Project: ENBRIDGE MP85 EXLAND49/55-0029
Pace Project No.: 40103625

| Lab ID | Sample ID | Method | Analysts | Analytes Reported |
|-------------|------------|----------|----------|-------------------|
| 40103625001 | MW-21 | EPA 8260 | LAP | 9 |
| 40103625002 | MW-16 | EPA 8260 | LAP | 9 |
| 40103625003 | MW-15 | EPA 8260 | LAP | 9 |
| 40103625004 | MW-14 | EPA 8260 | LAP | 9 |
| 40103625005 | MW-8 | EPA 8260 | LAP | 9 |
| 40103625006 | MW-6 | EPA 8260 | LAP | 9 |
| 40103625007 | MW-2 | EPA 8260 | LAP | 9 |
| 40103625008 | MW-34 | EPA 8260 | LAP | 9 |
| 40103625009 | MW-33 | EPA 8260 | LAP | 9 |
| 40103625010 | MW-5 | EPA 8260 | LAP | 9 |
| 40103625011 | MW-7 | EPA 8260 | LAP | 9 |
| 40103625012 | MW-11 | EPA 8260 | LAP | 9 |
| 40103625013 | M-1 | EPA 8260 | LAP | 9 |
| 40103625014 | TRIP BLANK | EPA 8260 | LAP | 9 |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 EXLAND49/55-0029
Pace Project No.: 40103625

| Sample: MW-21 | | Lab ID: 40103625001 | Collected: 09/17/14 08:55 | Received: 09/19/14 07:30 | 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 | | 09/24/14 12:23 | 71-43-2 | |
| Ethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 09/24/14 12:23 | 100-41-4 | |
| Toluene | <1.0 ug/L | | 1.0 | 1 | | 09/24/14 12:23 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 09/24/14 12:23 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 09/24/14 12:23 | 108-67-8 | |
| Xylene (Total) | <3.0 ug/L | | 3.0 | 1 | | 09/24/14 12:23 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 94 % | | 70-130 | 1 | | 09/24/14 12:23 | 1868-53-7 | |
| Toluene-d8 (S) | 101 % | | 70-130 | 1 | | 09/24/14 12:23 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 92 % | | 59-130 | 1 | | 09/24/14 12:23 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 EXLAND49/55-0029

Pace Project No.: 40103625

| Sample: MW-16 | | Lab ID: 40103625002 | Collected: 09/17/14 10:20 | Received: 09/19/14 07:30 | 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 | | 09/24/14 12:45 | 71-43-2 | |
| Ethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 09/24/14 12:45 | 100-41-4 | |
| Toluene | <1.0 ug/L | | 1.0 | 1 | | 09/24/14 12:45 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 09/24/14 12:45 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 09/24/14 12:45 | 108-67-8 | |
| Xylene (Total) | <3.0 ug/L | | 3.0 | 1 | | 09/24/14 12:45 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 98 % | | 70-130 | 1 | | 09/24/14 12:45 | 1868-53-7 | |
| Toluene-d8 (S) | 101 % | | 70-130 | 1 | | 09/24/14 12:45 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 90 % | | 59-130 | 1 | | 09/24/14 12:45 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 EXLAND49/55-0029

Pace Project No.: 40103625

| Sample: MW-15 | | Lab ID: 40103625003 | Collected: 09/17/14 09:45 | Received: 09/19/14 07:30 | 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 | | 09/24/14 13:08 | 71-43-2 | |
| Ethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 09/24/14 13:08 | 100-41-4 | |
| Toluene | <1.0 ug/L | | 1.0 | 1 | | 09/24/14 13:08 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 09/24/14 13:08 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 09/24/14 13:08 | 108-67-8 | |
| Xylene (Total) | <3.0 ug/L | | 3.0 | 1 | | 09/24/14 13:08 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 96 % | | 70-130 | 1 | | 09/24/14 13:08 | 1868-53-7 | |
| Toluene-d8 (S) | 101 % | | 70-130 | 1 | | 09/24/14 13:08 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 91 % | | 59-130 | 1 | | 09/24/14 13:08 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 EXLAND49/55-0029

Pace Project No.: 40103625

| Sample: MW-14 | | Lab ID: 40103625004 | Collected: 09/17/14 12:58 | Received: 09/19/14 07:30 | 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 | | 09/24/14 13:30 | 71-43-2 | |
| Ethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 09/24/14 13:30 | 100-41-4 | |
| Toluene | <1.0 ug/L | | 1.0 | 1 | | 09/24/14 13:30 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 09/24/14 13:30 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 09/24/14 13:30 | 108-67-8 | |
| Xylene (Total) | <3.0 ug/L | | 3.0 | 1 | | 09/24/14 13:30 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 96 % | | 70-130 | 1 | | 09/24/14 13:30 | 1868-53-7 | |
| Toluene-d8 (S) | 101 % | | 70-130 | 1 | | 09/24/14 13:30 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 91 % | | 59-130 | 1 | | 09/24/14 13:30 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 EXLAND49/55-0029

Pace Project No.: 40103625

| Sample: MW-8 | Lab ID: 40103625005 | Collected: 09/17/14 13:16 | Received: 09/19/14 07:30 | 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 | | 09/24/14 13:53 | 71-43-2 | |
| Ethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 09/24/14 13:53 | 100-41-4 | |
| Toluene | <1.0 ug/L | | 1.0 | 1 | | 09/24/14 13:53 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 09/24/14 13:53 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 09/24/14 13:53 | 108-67-8 | |
| Xylene (Total) | <3.0 ug/L | | 3.0 | 1 | | 09/24/14 13:53 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 95 % | | 70-130 | 1 | | 09/24/14 13:53 | 1868-53-7 | |
| Toluene-d8 (S) | 101 % | | 70-130 | 1 | | 09/24/14 13:53 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 90 % | | 59-130 | 1 | | 09/24/14 13:53 | 460-00-4 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 EXLAND49/55-0029
Pace Project No.: 40103625

| Sample: MW-6 | | Lab ID: 40103625006 | | Collected: 09/17/14 12:40 | Received: 09/19/14 07:30 | 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 | | 09/24/14 11:15 | 71-43-2 | |
| Ethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 09/24/14 11:15 | 100-41-4 | |
| Toluene | <1.0 ug/L | | 1.0 | 1 | | 09/24/14 11:15 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 09/24/14 11:15 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 09/24/14 11:15 | 108-67-8 | |
| Xylene (Total) | <3.0 ug/L | | 3.0 | 1 | | 09/24/14 11:15 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 97 % | | 70-130 | 1 | | 09/24/14 11:15 | 1868-53-7 | |
| Toluene-d8 (S) | 101 % | | 70-130 | 1 | | 09/24/14 11:15 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 91 % | | 59-130 | 1 | | 09/24/14 11:15 | 460-00-4 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 EXLAND49/55-0029

Pace Project No.: 40103625

| Sample: MW-2 | | Lab ID: 40103625007 | Collected: 09/17/14 13:28 | Received: 09/19/14 07:30 | Matrix: Water | | | |
|--------------------------|---------|-----------------------------|---------------------------|--------------------------|---------------|----------------|-----------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 MSV UST | | Analytical Method: EPA 8260 | | | | | | |
| Benzene | <10.0 | ug/L | 10.0 | 10 | | 09/24/14 11:38 | 71-43-2 | |
| Ethylbenzene | 83.8 | ug/L | 10.0 | 10 | | 09/24/14 11:38 | 100-41-4 | |
| Toluene | <10.0 | ug/L | 10.0 | 10 | | 09/24/14 11:38 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | 44.0 | ug/L | 10.0 | 10 | | 09/24/14 11:38 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | 48.5 | ug/L | 10.0 | 10 | | 09/24/14 11:38 | 108-67-8 | |
| Xylene (Total) | 176 | ug/L | 30.0 | 10 | | 09/24/14 11:38 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 94 | % | 70-130 | 10 | | 09/24/14 11:38 | 1868-53-7 | D3 |
| Toluene-d8 (S) | 102 | % | 70-130 | 10 | | 09/24/14 11:38 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 93 | % | 59-130 | 10 | | 09/24/14 11:38 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 EXLAND49/55-0029

Pace Project No.: 40103625

| Sample: MW-34 | | Lab ID: 40103625008 | Collected: 09/17/14 11:10 | Received: 09/19/14 07:30 | Matrix: Water | | | |
|--------------------------|---------|-----------------------------|---------------------------|--------------------------|---------------|----------------|-----------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 MSV UST | | Analytical Method: EPA 8260 | | | | | | |
| Benzene | 30.8 | ug/L | 1.0 | 1 | | 09/24/14 14:15 | 71-43-2 | |
| Ethylbenzene | 58.1 | ug/L | 1.0 | 1 | | 09/24/14 14:15 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 09/24/14 14:15 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | 2.6 | ug/L | 1.0 | 1 | | 09/24/14 14:15 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | 27.8 | ug/L | 1.0 | 1 | | 09/24/14 14:15 | 108-67-8 | |
| Xylene (Total) | 5.2 | ug/L | 3.0 | 1 | | 09/24/14 14:15 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 88 | % | 70-130 | 1 | | 09/24/14 14:15 | 1868-53-7 | |
| Toluene-d8 (S) | 103 | % | 70-130 | 1 | | 09/24/14 14:15 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 96 | % | 59-130 | 1 | | 09/24/14 14:15 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 EXLAND49/55-0029

Pace Project No.: 40103625

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|--------------------------|---------|-----------------------------|--------------|---------------------------|--------------------------|----------------|-----------|------|
| Sample: MW-33 | | Lab ID: 40103625009 | | Collected: 09/17/14 11:45 | Received: 09/19/14 07:30 | Matrix: Water | | |
| 8260 MSV UST | | Analytical Method: EPA 8260 | | | | | | |
| Benzene | 39.3 | ug/L | 1.0 | 1 | | 09/24/14 14:38 | 71-43-2 | |
| Ethylbenzene | 99.5 | ug/L | 1.0 | 1 | | 09/24/14 14:38 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 09/24/14 14:38 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | 26.6 | ug/L | 1.0 | 1 | | 09/24/14 14:38 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | 52.3 | ug/L | 1.0 | 1 | | 09/24/14 14:38 | 108-67-8 | |
| Xylene (Total) | 24.7 | ug/L | 3.0 | 1 | | 09/24/14 14:38 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 89 | % | 70-130 | 1 | | 09/24/14 14:38 | 1868-53-7 | |
| Toluene-d8 (S) | 100 | % | 70-130 | 1 | | 09/24/14 14:38 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 95 | % | 59-130 | 1 | | 09/24/14 14:38 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 EXLAND49/55-0029

Pace Project No.: 40103625

| Sample: MW-5 | | Lab ID: 40103625010 | Collected: 09/17/14 13:15 | Received: 09/19/14 07:30 | Matrix: Water | | | |
|--------------------------|---------|-----------------------------|---------------------------|--------------------------|---------------|----------------|-----------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 MSV UST | | Analytical Method: EPA 8260 | | | | | | |
| Benzene | 45.8 | ug/L | 5.0 | 5 | | 09/24/14 19:30 | 71-43-2 | |
| Ethylbenzene | 322 | ug/L | 5.0 | 5 | | 09/24/14 19:30 | 100-41-4 | |
| Toluene | <5.0 | ug/L | 5.0 | 5 | | 09/24/14 19:30 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | 209 | ug/L | 5.0 | 5 | | 09/24/14 19:30 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | 67.4 | ug/L | 5.0 | 5 | | 09/24/14 19:30 | 108-67-8 | |
| Xylene (Total) | 789 | ug/L | 15.0 | 5 | | 09/24/14 19:30 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 88 | % | 70-130 | 5 | | 09/24/14 19:30 | 1868-53-7 | HS |
| Toluene-d8 (S) | 102 | % | 70-130 | 5 | | 09/24/14 19:30 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 95 | % | 59-130 | 5 | | 09/24/14 19:30 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 EXLAND49/55-0029

Pace Project No.: 40103625

| Sample: MW-7 | | Lab ID: 40103625011 | Collected: 09/17/14 13:30 | Received: 09/19/14 07:30 | Matrix: Water | | | |
|--------------------------|---------|-----------------------------|---------------------------|--------------------------|---------------|----------------|-----------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 MSV UST | | Analytical Method: EPA 8260 | | | | | | |
| Benzene | 45.2 | ug/L | 2.0 | 2 | | 09/20/14 18:36 | 71-43-2 | |
| Ethylbenzene | 59.8 | ug/L | 2.0 | 2 | | 09/20/14 18:36 | 100-41-4 | |
| Toluene | 2.3 | ug/L | 2.0 | 2 | | 09/20/14 18:36 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | 67.5 | ug/L | 2.0 | 2 | | 09/20/14 18:36 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | 15.6 | ug/L | 2.0 | 2 | | 09/20/14 18:36 | 108-67-8 | |
| Xylene (Total) | 303 | ug/L | 6.0 | 2 | | 09/20/14 18:36 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 103 | % | 70-130 | 2 | | 09/20/14 18:36 | 1868-53-7 | |
| Toluene-d8 (S) | 98 | % | 70-130 | 2 | | 09/20/14 18:36 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 96 | % | 59-130 | 2 | | 09/20/14 18:36 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 EXLAND49/55-0029

Pace Project No.: 40103625

| Sample: MW-11 | | Lab ID: 40103625012 | Collected: 09/17/14 14:00 | Received: 09/19/14 07:30 | Matrix: Water | | | |
|--------------------------|---------|-----------------------------|---------------------------|--------------------------|---------------|----------------|-----------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 MSV UST | | Analytical Method: EPA 8260 | | | | | | |
| Benzene | <10.0 | ug/L | 10.0 | 10 | | 09/24/14 12:00 | 71-43-2 | |
| Ethylbenzene | 314 | ug/L | 10.0 | 10 | | 09/24/14 12:00 | 100-41-4 | |
| Toluene | <10.0 | ug/L | 10.0 | 10 | | 09/24/14 12:00 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | 229 | ug/L | 10.0 | 10 | | 09/24/14 12:00 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | 60.0 | ug/L | 10.0 | 10 | | 09/24/14 12:00 | 108-67-8 | |
| Xylene (Total) | 1940 | ug/L | 30.0 | 10 | | 09/24/14 12:00 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 93 | % | 70-130 | 10 | | 09/24/14 12:00 | 1868-53-7 | |
| Toluene-d8 (S) | 101 | % | 70-130 | 10 | | 09/24/14 12:00 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 96 | % | 59-130 | 10 | | 09/24/14 12:00 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 EXLAND49/55-0029

Pace Project No.: 40103625

| Sample: M-1 | | Lab ID: 40103625013 | Collected: 09/17/14 08:00 | Received: 09/19/14 07:30 | Matrix: Water | | | |
|--------------------------|---------|-----------------------------|---------------------------|--------------------------|---------------|----------------|-----------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 MSV UST | | Analytical Method: EPA 8260 | | | | | | |
| Benzene | 38.1 | ug/L | 1.0 | 1 | | 09/24/14 15:23 | 71-43-2 | |
| Ethylbenzene | 99.7 | ug/L | 1.0 | 1 | | 09/24/14 15:23 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 09/24/14 15:23 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | 25.8 | ug/L | 1.0 | 1 | | 09/24/14 15:23 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | 50.8 | ug/L | 1.0 | 1 | | 09/24/14 15:23 | 108-67-8 | |
| Xylene (Total) | 26.5 | ug/L | 3.0 | 1 | | 09/24/14 15:23 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 86 | % | 70-130 | 1 | | 09/24/14 15:23 | 1868-53-7 | |
| Toluene-d8 (S) | 101 | % | 70-130 | 1 | | 09/24/14 15:23 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 97 | % | 59-130 | 1 | | 09/24/14 15:23 | 460-00-4 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 EXLAND49/55-0029

Pace Project No.: 40103625

| Sample: TRIP BLANK | | Lab ID: 40103625014 | Collected: 09/17/14 08:00 | Received: 09/19/14 07:30 | 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 | | 09/24/14 18:00 | 71-43-2 | |
| Ethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 09/24/14 18:00 | 100-41-4 | |
| Toluene | <1.0 ug/L | | 1.0 | 1 | | 09/24/14 18:00 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 09/24/14 18:00 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 09/24/14 18:00 | 108-67-8 | |
| Xylene (Total) | <3.0 ug/L | | 3.0 | 1 | | 09/24/14 18:00 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 95 % | | 70-130 | 1 | | 09/24/14 18:00 | 1868-53-7 | |
| Toluene-d8 (S) | 99 % | | 70-130 | 1 | | 09/24/14 18:00 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 90 % | | 59-130 | 1 | | 09/24/14 18:00 | 460-00-4 | |

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ENBRIDGE MP85 EXLAND49/55-0029
Pace Project No.: 40103625

QC Batch: MSV/25805 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 40103625011

METHOD BLANK: 1047850 Matrix: Water
Associated Lab Samples: 40103625011

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--------------------------|-------|--------------|-----------------|----------------|------------|
| 1,2,4-Trimethylbenzene | ug/L | <1.0 | 1.0 | 09/20/14 10:33 | |
| 1,3,5-Trimethylbenzene | ug/L | <1.0 | 1.0 | 09/20/14 10:33 | |
| Benzene | ug/L | <1.0 | 1.0 | 09/20/14 10:33 | |
| Ethylbenzene | ug/L | <1.0 | 1.0 | 09/20/14 10:33 | |
| Toluene | ug/L | <1.0 | 1.0 | 09/20/14 10:33 | |
| Xylene (Total) | ug/L | <3.0 | 3.0 | 09/20/14 10:33 | |
| 4-Bromofluorobenzene (S) | % | 87 | 59-130 | 09/20/14 10:33 | |
| Dibromofluoromethane (S) | % | 107 | 70-130 | 09/20/14 10:33 | |
| Toluene-d8 (S) | % | 97 | 70-130 | 09/20/14 10:33 | |

LABORATORY CONTROL SAMPLE & LCSD: 1047851

| Parameter | Units | 1047851 | | 1047852 | | % Rec Limits | RPD | Max RPD | Qualifiers | |
|--------------------------|-------|-------------|------------|-------------|-----------|--------------|--------|---------|------------|------------|
| | | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | | | | | LCSD % Rec |
| Benzene | ug/L | 50 | 55.0 | 54.6 | 110 | 109 | 70-130 | 1 | 20 | |
| Ethylbenzene | ug/L | 50 | 58.2 | 58.1 | 116 | 116 | 70-130 | 0 | 20 | |
| Toluene | ug/L | 50 | 57.5 | 57.3 | 115 | 115 | 70-130 | 0 | 20 | |
| Xylene (Total) | ug/L | 150 | 183 | 182 | 122 | 121 | 70-130 | 0 | 20 | |
| 4-Bromofluorobenzene (S) | % | | | | 100 | 100 | 59-130 | | | |
| Dibromofluoromethane (S) | % | | | | 109 | 108 | 70-130 | | | |
| Toluene-d8 (S) | % | | | | 98 | 98 | 70-130 | | | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1047855

| Parameter | Units | 1047855 | | 1047856 | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|--------------------------|-------|--------------------|----------------|-----------------|-----------|----------|-----------|--------------|--------|---------|------|
| | | 40103677019 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | | | | | | |
| Benzene | ug/L | <1.0 | 50 | 50 | 52.4 | 53.3 | 105 | 107 | 70-130 | 2 | 20 |
| Ethylbenzene | ug/L | <1.0 | 50 | 50 | 55.3 | 56.8 | 111 | 114 | 70-130 | 3 | 20 |
| Toluene | ug/L | <1.0 | 50 | 50 | 55.1 | 56.5 | 110 | 113 | 70-130 | 3 | 20 |
| Xylene (Total) | ug/L | <3.0 | 150 | 150 | 174 | 177 | 116 | 118 | 70-132 | 2 | 20 |
| 4-Bromofluorobenzene (S) | % | | | | | | 100 | 99 | 59-130 | | |
| Dibromofluoromethane (S) | % | | | | | | 107 | 107 | 70-130 | | |
| Toluene-d8 (S) | % | | | | | | 98 | 98 | 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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QUALITY CONTROL DATA

Project: ENBRIDGE MP85 EXLAND49/55-0029

Pace Project No.: 40103625

QC Batch: MSV/25810 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
 Associated Lab Samples: 40103625001, 40103625002, 40103625003, 40103625004, 40103625005, 40103625006, 40103625007, 40103625008, 40103625009, 40103625010, 40103625012, 40103625013, 40103625014

METHOD BLANK: 1048396 Matrix: Water
 Associated Lab Samples: 40103625001, 40103625002, 40103625003, 40103625004, 40103625005, 40103625006, 40103625007, 40103625008, 40103625009, 40103625010, 40103625012, 40103625013, 40103625014

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--------------------------|-------|--------------|-----------------|----------------|------------|
| 1,2,4-Trimethylbenzene | ug/L | <1.0 | 1.0 | 09/24/14 09:23 | |
| 1,3,5-Trimethylbenzene | ug/L | <1.0 | 1.0 | 09/24/14 09:23 | |
| Benzene | ug/L | <1.0 | 1.0 | 09/24/14 09:23 | |
| Ethylbenzene | ug/L | <1.0 | 1.0 | 09/24/14 09:23 | |
| Toluene | ug/L | <1.0 | 1.0 | 09/24/14 09:23 | |
| Xylene (Total) | ug/L | <3.0 | 3.0 | 09/24/14 09:23 | |
| 4-Bromofluorobenzene (S) | % | 92 | 59-130 | 09/24/14 09:23 | |
| Dibromofluoromethane (S) | % | 96 | 70-130 | 09/24/14 09:23 | |
| Toluene-d8 (S) | % | 103 | 70-130 | 09/24/14 09:23 | |

LABORATORY CONTROL SAMPLE & LCSD: 1048397 1048398

| Parameter | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
|--------------------------|-------|-------------|------------|-------------|-----------|------------|--------------|-----|---------|------------|
| Benzene | ug/L | 50 | 57.0 | 57.0 | 114 | 114 | 70-130 | 0 | 20 | |
| Ethylbenzene | ug/L | 50 | 59.0 | 57.2 | 118 | 114 | 70-130 | 3 | 20 | |
| Toluene | ug/L | 50 | 55.4 | 55.2 | 111 | 110 | 70-130 | 0 | 20 | |
| Xylene (Total) | ug/L | 150 | 174 | 170 | 116 | 113 | 70-130 | 2 | 20 | |
| 4-Bromofluorobenzene (S) | % | | | | 103 | 100 | 59-130 | | | |
| Dibromofluoromethane (S) | % | | | | 93 | 94 | 70-130 | | | |
| Toluene-d8 (S) | % | | | | 99 | 100 | 70-130 | | | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1048700 1048701

| Parameter | Units | MS | | MSD | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|--------------------------|-------|--------------------|-------------|-------------|-----------|----------|-----------|--------------|--------|---------|------|
| | | 40103625006 Result | Spike Conc. | Spike Conc. | MS Result | | | | | | |
| Benzene | ug/L | <1.0 | 50 | 50 | 57.1 | 57.6 | 114 | 115 | 70-130 | 1 | 20 |
| Ethylbenzene | ug/L | <1.0 | 50 | 50 | 58.7 | 57.7 | 117 | 115 | 70-130 | 2 | 20 |
| Toluene | ug/L | <1.0 | 50 | 50 | 54.8 | 54.8 | 109 | 109 | 70-130 | 0 | 20 |
| Xylene (Total) | ug/L | <3.0 | 150 | 150 | 175 | 174 | 115 | 114 | 70-132 | 1 | 20 |
| 4-Bromofluorobenzene (S) | % | | | | | | 103 | 102 | 59-130 | | |
| Dibromofluoromethane (S) | % | | | | | | 92 | 93 | 70-130 | | |
| Toluene-d8 (S) | % | | | | | | 98 | 100 | 70-130 | | |

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QUALIFIERS

Project: ENBRIDGE MP85 EXLAND49/55-0029

Pace Project No.: 40103625

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

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 (8270 listed analyte) decomposes to Azobenzene.

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).

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: ENBRIDGE MP85 EXLAND49/55-0029

Pace Project No.: 40103625

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|------------|-----------------|-----------|-------------------|------------------|
| 40103625001 | MW-21 | EPA 8260 | MSV/25810 | | |
| 40103625002 | MW-16 | EPA 8260 | MSV/25810 | | |
| 40103625003 | MW-15 | EPA 8260 | MSV/25810 | | |
| 40103625004 | MW-14 | EPA 8260 | MSV/25810 | | |
| 40103625005 | MW-8 | EPA 8260 | MSV/25810 | | |
| 40103625006 | MW-6 | EPA 8260 | MSV/25810 | | |
| 40103625007 | MW-2 | EPA 8260 | MSV/25810 | | |
| 40103625008 | MW-34 | EPA 8260 | MSV/25810 | | |
| 40103625009 | MW-33 | EPA 8260 | MSV/25810 | | |
| 40103625010 | MW-5 | EPA 8260 | MSV/25810 | | |
| 40103625011 | MW-7 | EPA 8260 | MSV/25805 | | |
| 40103625012 | MW-11 | EPA 8260 | MSV/25810 | | |
| 40103625013 | M-1 | EPA 8260 | MSV/25810 | | |
| 40103625014 | TRIP BLANK | EPA 8260 | MSV/25810 | | |

REPORT OF LABORATORY ANALYSIS

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Chain of Custody

4700 West 77th Street
 Minneapolis, MN 55435-4803
 (952) 832-2600

BARR

mw

40103025

Project Number: 49155-0029-004 2014001

Project Name: Fewbridge MAP-ES Extend WI

Sample Origination State WI (use two letter postal state abbreviation)

COC Number: **No 28706**

| Number of Containers/Preservative | | Total Number Of Containers |
|--|----------------------------------|----------------------------|
| Water | Soil | |
| VOCs (HCl) #1/0/MTDS | VOCs (tared MeOH) #1 | 34/0ml v B |
| SVOCs (unpreserved) #2 | GRO, BTEX (tared MeOH) #1 | |
| Dissolved Metals (HNO ₃) | DRO (tared unpreserved) | |
| Total Metals (HNO ₃) | Metals (unpreserved) | |
| General (unpreserved) #3 | SVOCs (unpreserved) #2 | |
| Diesel Range Organics (HCl) | % Solids (plastic vial, unpres.) | |
| Nutrients (H ₂ SO ₄) #4 | | |
| | | |
| | | |
| | | |

COC 1 of 2 Page 23 of 25

Project Manager: Jan Aspica

Project QC Contact: Janice

Sampled by: W. Mitchell

Laboratory: Pace

| Location | Start Depth | Stop Depth | Depth Unit (m./ft. or in.) | Collection Date (mm/dd/yyyy) | Collection Time (hh:mm) | Matrix | | Type | | | VOCs (HCl) #1/0/MTDS | SVOCs (unpreserved) #2 | Dissolved Metals (HNO ₃) | Total Metals (HNO ₃) | General (unpreserved) #3 | Diesel Range Organics (HCl) | Nutrients (H ₂ SO ₄) #4 | VOCs (tared MeOH) #1 | GRO, BTEX (tared MeOH) #1 | DRO (tared unpreserved) | Metals (unpreserved) | SVOCs (unpreserved) #2 | % Solids (plastic vial, unpres.) | | |
|----------------------|-------------|------------|----------------------------|------------------------------|-------------------------|--------|------|------|-------|----|----------------------|------------------------|--------------------------------------|----------------------------------|--------------------------|-----------------------------|--|----------------------|---------------------------|-------------------------|----------------------|------------------------|----------------------------------|--|--|
| | | | | | | Water | Soil | Grab | Comp. | QC | | | | | | | | | | | | | | | |
| 1. <u>mw-21 001</u> | | | | <u>9/17/14</u> | <u>8:55am</u> | X | | Y | | | X | | | | | | | | | | | | | | |
| 2. <u>mw-16 002</u> | | | | <u>9/17/14</u> | <u>10:20</u> | X | | Y | | | X | | | | | | | | | | | | | | |
| 3. <u>mw-15 003</u> | | | | <u>9/17/14</u> | <u>9:45</u> | X | | Y | | | X | | | | | | | | | | | | | | |
| 4. <u>mw-14 004</u> | | | | <u>9/17/14</u> | <u>12:58</u> | X | | Y | | | X | | | | | | | | | | | | | | |
| 5. <u>mw-8 005</u> | | | | <u>9/17/14</u> | <u>1:46</u> | X | | Y | | | X | | | | | | | | | | | | | | |
| 6. <u>mw-6 006</u> | | | | <u>9/17/14</u> | <u>12:40</u> | X | | Y | | | X | | | | | | | | | | | | | | |
| 7. <u>mw-12</u> | | | | | | X | | Y | | | X | | | | | | | | | | | | | | |
| 8. <u>mw-2 007</u> | | | | <u>9/17/14</u> | <u>1:28</u> | X | | Y | | | X | | | | | | | | | | | | | | |
| 9. <u>mw-34 008</u> | | | | <u>9/17/14</u> | <u>11:10</u> | X | | Y | | | X | | | | | | | | | | | | | | |
| 10. <u>mw-33 009</u> | | | | <u>9/17/14</u> | <u>11:45am</u> | X | | Y | | | X | | | | | | | | | | | | | | |

no sample -

Common Parameter/Container - Preservation Key

#1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List

#2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs

#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate

#4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

| | | | | | | |
|---|--|----------------------|-------------------|--------------------------------------|----------------------|-------------------|
| Relinquished By: <u>W. Mitchell</u> | On Ice? <input checked="" type="radio"/> N | Date: <u>9/15/14</u> | Time: | Received by: | Date: | Time: |
| Relinquished By: <u>Denham</u> | On Ice? <input checked="" type="radio"/> N | Date: <u>9/19/14</u> | Time: <u>0730</u> | Received by: <u>Susan Kuyler Pau</u> | Date: <u>9/19/14</u> | Time: <u>0730</u> |
| Samples Shipped VIA: <input type="checkbox"/> Air Freight <input type="checkbox"/> Federal Express <input type="checkbox"/> Sampler <input type="checkbox"/> Other: _____ | | | | Air Bill Number: | | |

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

Sample Condition Upon Receipt

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



Client Name: BARR
 Courier: Fed Ex UPS Client Pace Other: Dunkam
 Tracking #: 638185

Project #:

WO#: **40103625**



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 SR25 Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun
 Cooler Temperature Uncorr: 3 / Corr: 3 Biological Tissue is Frozen: yes no
 Temp Blank Present: yes no

Person examining contents:
Date: 9-19-14
Initials: SKW

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 type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 3. |
| Sampler Name & Signature on COC: | <input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 7. <u>011-RUSH</u> <u>9/19/14 SKW</u> |
| 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. |
| -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>003-1vial; 006-1vial; 011-2-vials</u> <u>9/19/14 SKW</u> |
| 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): | | |

Client Notification/ Resolution: _____ If checked, see attached form for additional comments
 Person Contacted: _____ Date/Time: _____
 Comments/ Resolution: _____

Project Manager Review: AMH for DM Date: 9/18/14

December 26, 2014

Margaret Treanor
Barr Engineering Co.
4700 West 77th Street
Minneapolis, MN 55435

RE: Project: ENBRIDGE MP85 EXLAND49/55-0029
Pace Project No.: 40108498

Dear Margaret Treanor:

Enclosed are the analytical results for sample(s) received by the laboratory on December 16, 2014. 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: Andrea Nord, Barr Engineering Co.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: ENBRIDGE MP85 EXLAND49/55-0029

Pace Project No.: 40108498

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

New York Certification #: 11888

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

US Dept of Agriculture #: S-76505

Wisconsin Certification #: 405132750

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SAMPLE SUMMARY

Project: ENBRIDGE MP85 EXLAND49/55-0029

Pace Project No.: 40108498

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|------------|--------|----------------|----------------|
| 40108498001 | MW-21 | Water | 12/08/14 14:10 | 12/16/14 08:40 |
| 40108498002 | MW-17 | Water | 12/08/14 14:32 | 12/16/14 08:40 |
| 40108498003 | MW-16 | Water | 12/09/14 08:12 | 12/16/14 08:40 |
| 40108498004 | MW-15 | Water | 12/08/14 15:02 | 12/16/14 08:40 |
| 40108498005 | MW-14 | Water | 12/09/14 13:55 | 12/16/14 08:40 |
| 40108498006 | MW-13 | Water | 12/09/14 10:01 | 12/16/14 08:40 |
| 40108498007 | MW-9 | Water | 12/09/14 10:35 | 12/16/14 08:40 |
| 40108498008 | MW-8 | Water | 12/09/14 11:57 | 12/16/14 08:40 |
| 40108498009 | MW-4 | Water | 12/09/14 10:55 | 12/16/14 08:40 |
| 40108498010 | MW-3 | Water | 12/09/14 11:18 | 12/16/14 08:40 |
| 40108498011 | MW-15-D | Water | 12/08/14 16:00 | 12/16/14 08:40 |
| 40108498012 | MW-6 | Water | 12/09/14 13:11 | 12/16/14 08:40 |
| 40108498013 | MW-12 | Water | 12/09/14 13:30 | 12/16/14 08:40 |
| 40108498014 | MW-2 | Water | 12/09/14 12:22 | 12/16/14 08:40 |
| 40108498015 | MW-34 | Water | 12/09/14 08:55 | 12/16/14 08:40 |
| 40108498016 | MW-33 | Water | 12/09/14 09:35 | 12/16/14 08:40 |
| 40108498017 | MW-5 | Water | 12/09/14 12:49 | 12/16/14 08:40 |
| 40108498018 | MW-7 | Water | 12/09/14 15:00 | 12/16/14 08:40 |
| 40108498019 | MW-11 | Water | 12/09/14 15:30 | 12/16/14 08:40 |
| 40108498020 | M-1 | Water | 12/09/14 00:00 | 12/16/14 08:40 |
| 40108498021 | TRIP BLANK | Water | 12/09/14 00:00 | 12/16/14 08:40 |

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SAMPLE ANALYTE COUNT

Project: ENBRIDGE MP85 EXLAND49/55-0029

Pace Project No.: 40108498

| Lab ID | Sample ID | Method | Analysts | Analytes Reported |
|-------------|------------|----------|----------|-------------------|
| 40108498001 | MW-21 | EPA 8260 | LAP | 9 |
| 40108498002 | MW-17 | EPA 8260 | LAP | 9 |
| 40108498003 | MW-16 | EPA 8260 | LAP | 9 |
| 40108498004 | MW-15 | EPA 8260 | LAP | 9 |
| 40108498005 | MW-14 | EPA 8260 | LAP | 9 |
| 40108498006 | MW-13 | EPA 8260 | LAP | 9 |
| 40108498007 | MW-9 | EPA 8260 | LAP | 9 |
| 40108498008 | MW-8 | EPA 8260 | LAP | 9 |
| 40108498009 | MW-4 | EPA 8260 | LAP | 9 |
| 40108498010 | MW-3 | EPA 8260 | LAP | 9 |
| 40108498011 | MW-15-D | EPA 8260 | LAP | 9 |
| 40108498012 | MW-6 | EPA 8260 | LAP | 9 |
| 40108498013 | MW-12 | EPA 8260 | LAP | 9 |
| 40108498014 | MW-2 | EPA 8260 | LAP | 9 |
| 40108498015 | MW-34 | EPA 8260 | LAP | 9 |
| 40108498016 | MW-33 | EPA 8260 | LAP | 9 |
| 40108498017 | MW-5 | EPA 8260 | LAP | 9 |
| 40108498018 | MW-7 | EPA 8260 | LAP | 9 |
| 40108498019 | MW-11 | EPA 8260 | LAP | 9 |
| 40108498020 | M-1 | EPA 8260 | LAP | 9 |
| 40108498021 | TRIP BLANK | EPA 8260 | LAP | 9 |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 EXLAND49/55-0029

Pace Project No.: 40108498

| Sample: MW-21 | | Lab ID: 40108498001 | Collected: 12/08/14 14:10 | Received: 12/16/14 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 | | 12/18/14 12:03 | 71-43-2 | |
| Ethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 12:03 | 100-41-4 | |
| Toluene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 12:03 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 12:03 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 12:03 | 108-67-8 | |
| Xylene (Total) | <3.0 ug/L | | 3.0 | 1 | | 12/18/14 12:03 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 90 % | | 70-130 | 1 | | 12/18/14 12:03 | 1868-53-7 | |
| Toluene-d8 (S) | 98 % | | 70-130 | 1 | | 12/18/14 12:03 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 92 % | | 59-130 | 1 | | 12/18/14 12:03 | 460-00-4 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 EXLAND49/55-0029

Pace Project No.: 40108498

| Sample: MW-17 | | Lab ID: 40108498002 | Collected: 12/08/14 14:32 | Received: 12/16/14 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 | | 12/18/14 10:11 | 71-43-2 | |
| Ethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 10:11 | 100-41-4 | |
| Toluene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 10:11 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 10:11 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 10:11 | 108-67-8 | |
| Xylene (Total) | <3.0 ug/L | | 3.0 | 1 | | 12/18/14 10:11 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 97 % | | 70-130 | 1 | | 12/18/14 10:11 | 1868-53-7 | |
| Toluene-d8 (S) | 97 % | | 70-130 | 1 | | 12/18/14 10:11 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 90 % | | 59-130 | 1 | | 12/18/14 10:11 | 460-00-4 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 EXLAND49/55-0029

Pace Project No.: 40108498

| Sample: MW-16 | Lab ID: 40108498003 | Collected: 12/09/14 08:12 | Received: 12/16/14 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 | | 12/18/14 12:26 | 71-43-2 | |
| Ethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 12:26 | 100-41-4 | |
| Toluene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 12:26 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 12:26 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 12:26 | 108-67-8 | |
| Xylene (Total) | <3.0 ug/L | | 3.0 | 1 | | 12/18/14 12:26 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 98 % | | 70-130 | 1 | | 12/18/14 12:26 | 1868-53-7 | |
| Toluene-d8 (S) | 96 % | | 70-130 | 1 | | 12/18/14 12:26 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 92 % | | 59-130 | 1 | | 12/18/14 12:26 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 EXLAND49/55-0029
Pace Project No.: 40108498

| Sample: MW-15 | | Lab ID: 40108498004 | Collected: 12/08/14 15:02 | Received: 12/16/14 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 | | 12/18/14 12:48 | 71-43-2 | |
| Ethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 12:48 | 100-41-4 | |
| Toluene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 12:48 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 12:48 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 12:48 | 108-67-8 | |
| Xylene (Total) | <3.0 ug/L | | 3.0 | 1 | | 12/18/14 12:48 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 89 % | | 70-130 | 1 | | 12/18/14 12:48 | 1868-53-7 | |
| Toluene-d8 (S) | 100 % | | 70-130 | 1 | | 12/18/14 12:48 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 90 % | | 59-130 | 1 | | 12/18/14 12:48 | 460-00-4 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 EXLAND49/55-0029

Pace Project No.: 40108498

| Sample: MW-14 | | Lab ID: 40108498005 | Collected: 12/09/14 13:55 | Received: 12/16/14 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 | | 12/18/14 13:11 | 71-43-2 | |
| Ethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 13:11 | 100-41-4 | |
| Toluene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 13:11 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 13:11 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 13:11 | 108-67-8 | |
| Xylene (Total) | <3.0 ug/L | | 3.0 | 1 | | 12/18/14 13:11 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 96 % | | 70-130 | 1 | | 12/18/14 13:11 | 1868-53-7 | |
| Toluene-d8 (S) | 98 % | | 70-130 | 1 | | 12/18/14 13:11 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 91 % | | 59-130 | 1 | | 12/18/14 13:11 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 EXLAND49/55-0029

Pace Project No.: 40108498

| Sample: MW-13 | | Lab ID: 40108498006 | Collected: 12/09/14 10:01 | Received: 12/16/14 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 | | 12/18/14 13:33 | 71-43-2 | |
| Ethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 13:33 | 100-41-4 | |
| Toluene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 13:33 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 13:33 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 13:33 | 108-67-8 | |
| Xylene (Total) | <3.0 ug/L | | 3.0 | 1 | | 12/18/14 13:33 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 91 % | | 70-130 | 1 | | 12/18/14 13:33 | 1868-53-7 | |
| Toluene-d8 (S) | 99 % | | 70-130 | 1 | | 12/18/14 13:33 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 91 % | | 59-130 | 1 | | 12/18/14 13:33 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 EXLAND49/55-0029

Pace Project No.: 40108498

| Sample: MW-9 | | Lab ID: 40108498007 | Collected: 12/09/14 10:35 | Received: 12/16/14 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 | | 12/18/14 13:56 | 71-43-2 | |
| Ethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 13:56 | 100-41-4 | |
| Toluene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 13:56 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 13:56 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 13:56 | 108-67-8 | |
| Xylene (Total) | <3.0 ug/L | | 3.0 | 1 | | 12/18/14 13:56 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 98 % | | 70-130 | 1 | | 12/18/14 13:56 | 1868-53-7 | |
| Toluene-d8 (S) | 98 % | | 70-130 | 1 | | 12/18/14 13:56 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 91 % | | 59-130 | 1 | | 12/18/14 13:56 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 EXLAND49/55-0029
Pace Project No.: 40108498

| Sample: MW-8 | | Lab ID: 40108498008 | Collected: 12/09/14 11:57 | Received: 12/16/14 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 | | 12/18/14 14:18 | 71-43-2 | |
| Ethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 14:18 | 100-41-4 | |
| Toluene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 14:18 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 14:18 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 14:18 | 108-67-8 | |
| Xylene (Total) | <3.0 ug/L | | 3.0 | 1 | | 12/18/14 14:18 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 97 % | | 70-130 | 1 | | 12/18/14 14:18 | 1868-53-7 | |
| Toluene-d8 (S) | 97 % | | 70-130 | 1 | | 12/18/14 14:18 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 90 % | | 59-130 | 1 | | 12/18/14 14:18 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 EXLAND49/55-0029

Pace Project No.: 40108498

| Sample: MW-4 | | Lab ID: 40108498009 | Collected: 12/09/14 10:55 | Received: 12/16/14 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 | | 12/18/14 14:40 | 71-43-2 | |
| Ethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 14:40 | 100-41-4 | |
| Toluene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 14:40 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 14:40 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 14:40 | 108-67-8 | |
| Xylene (Total) | <3.0 ug/L | | 3.0 | 1 | | 12/18/14 14:40 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 89 % | | 70-130 | 1 | | 12/18/14 14:40 | 1868-53-7 | |
| Toluene-d8 (S) | 98 % | | 70-130 | 1 | | 12/18/14 14:40 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 88 % | | 59-130 | 1 | | 12/18/14 14:40 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 EXLAND49/55-0029
Pace Project No.: 40108498

| Sample: MW-3 | | Lab ID: 40108498010 | Collected: 12/09/14 11:18 | Received: 12/16/14 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 | | 12/18/14 15:03 | 71-43-2 | |
| Ethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 15:03 | 100-41-4 | |
| Toluene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 15:03 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 15:03 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 15:03 | 108-67-8 | |
| Xylene (Total) | <3.0 ug/L | | 3.0 | 1 | | 12/18/14 15:03 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 91 % | | 70-130 | 1 | | 12/18/14 15:03 | 1868-53-7 | |
| Toluene-d8 (S) | 98 % | | 70-130 | 1 | | 12/18/14 15:03 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 90 % | | 59-130 | 1 | | 12/18/14 15:03 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 EXLAND49/55-0029

Pace Project No.: 40108498

| Sample: MW-15-D | | Lab ID: 40108498011 | Collected: 12/08/14 16:00 | Received: 12/16/14 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 | | 12/18/14 15:25 | 71-43-2 | |
| Ethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 15:25 | 100-41-4 | |
| Toluene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 15:25 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 15:25 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 15:25 | 108-67-8 | |
| Xylene (Total) | <3.0 ug/L | | 3.0 | 1 | | 12/18/14 15:25 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 90 % | | 70-130 | 1 | | 12/18/14 15:25 | 1868-53-7 | |
| Toluene-d8 (S) | 98 % | | 70-130 | 1 | | 12/18/14 15:25 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 90 % | | 59-130 | 1 | | 12/18/14 15:25 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 EXLAND49/55-0029

Pace Project No.: 40108498

| Sample: MW-6 | | Lab ID: 40108498012 | Collected: 12/09/14 13:11 | Received: 12/16/14 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 | | 1.0 | 1 | | 12/18/14 15:47 | 71-43-2 | |
| Ethylbenzene | 1.4 ug/L | | 1.0 | 1 | | 12/18/14 15:47 | 100-41-4 | |
| Toluene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 15:47 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | 3.3 ug/L | | 1.0 | 1 | | 12/18/14 15:47 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 15:47 | 108-67-8 | |
| Xylene (Total) | 6.4 ug/L | | 3.0 | 1 | | 12/18/14 15:47 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 91 % | | 70-130 | 1 | | 12/18/14 15:47 | 1868-53-7 | HS |
| Toluene-d8 (S) | 100 % | | 70-130 | 1 | | 12/18/14 15:47 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 96 % | | 59-130 | 1 | | 12/18/14 15:47 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 EXLAND49/55-0029

Pace Project No.: 40108498

| Sample: MW-12 | | Lab ID: 40108498013 | Collected: 12/09/14 13:30 | Received: 12/16/14 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 | | 12/18/14 16:10 | 71-43-2 | |
| Ethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 16:10 | 100-41-4 | |
| Toluene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 16:10 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 16:10 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 16:10 | 108-67-8 | |
| Xylene (Total) | <3.0 ug/L | | 3.0 | 1 | | 12/18/14 16:10 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 101 % | | 70-130 | 1 | | 12/18/14 16:10 | 1868-53-7 | |
| Toluene-d8 (S) | 98 % | | 70-130 | 1 | | 12/18/14 16:10 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 91 % | | 59-130 | 1 | | 12/18/14 16:10 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 EXLAND49/55-0029

Pace Project No.: 40108498

| Sample: MW-2 | Lab ID: 40108498014 | Collected: 12/09/14 12:22 | Received: 12/16/14 08:40 | Matrix: Water | | | | |
|--------------------------|-----------------------------|---------------------------|--------------------------|---------------|----------|----------------|-----------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 MSV UST | Analytical Method: EPA 8260 | | | | | | | |
| Benzene | <5.0 ug/L | | 5.0 | 5 | | 12/18/14 10:33 | 71-43-2 | |
| Ethylbenzene | 39.5 ug/L | | 5.0 | 5 | | 12/18/14 10:33 | 100-41-4 | |
| Toluene | <5.0 ug/L | | 5.0 | 5 | | 12/18/14 10:33 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | 13.5 ug/L | | 5.0 | 5 | | 12/18/14 10:33 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | 36.3 ug/L | | 5.0 | 5 | | 12/18/14 10:33 | 108-67-8 | |
| Xylene (Total) | 41.6 ug/L | | 15.0 | 5 | | 12/18/14 10:33 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 88 % | | 70-130 | 5 | | 12/18/14 10:33 | 1868-53-7 | D3 |
| Toluene-d8 (S) | 102 % | | 70-130 | 5 | | 12/18/14 10:33 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 97 % | | 59-130 | 5 | | 12/18/14 10:33 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 EXLAND49/55-0029
Pace Project No.: 40108498

| Sample: MW-34 | | Lab ID: 40108498015 | Collected: 12/09/14 08:55 | Received: 12/16/14 08:40 | Matrix: Water | | | |
|--------------------------|---------|-----------------------------|---------------------------|--------------------------|---------------|----------------|-----------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 MSV UST | | Analytical Method: EPA 8260 | | | | | | |
| Benzene | 24.3 | ug/L | 1.0 | 1 | | 12/18/14 16:32 | 71-43-2 | |
| Ethylbenzene | 49.7 | ug/L | 1.0 | 1 | | 12/18/14 16:32 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 12/18/14 16:32 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | 1.9 | ug/L | 1.0 | 1 | | 12/18/14 16:32 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | 23.2 | ug/L | 1.0 | 1 | | 12/18/14 16:32 | 108-67-8 | |
| Xylene (Total) | 4.3 | ug/L | 3.0 | 1 | | 12/18/14 16:32 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 88 | % | 70-130 | 1 | | 12/18/14 16:32 | 1868-53-7 | |
| Toluene-d8 (S) | 99 | % | 70-130 | 1 | | 12/18/14 16:32 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 98 | % | 59-130 | 1 | | 12/18/14 16:32 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 EXLAND49/55-0029

Pace Project No.: 40108498

| Sample: MW-33 | | Lab ID: 40108498016 | Collected: 12/09/14 09:35 | Received: 12/16/14 08:40 | Matrix: Water | | | |
|--------------------------|---------|-----------------------------|---------------------------|--------------------------|---------------|----------------|-----------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 MSV UST | | Analytical Method: EPA 8260 | | | | | | |
| Benzene | 16.0 | ug/L | 1.0 | 1 | | 12/18/14 16:55 | 71-43-2 | |
| Ethylbenzene | 74.5 | ug/L | 1.0 | 1 | | 12/18/14 16:55 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 12/18/14 16:55 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | 5.7 | ug/L | 1.0 | 1 | | 12/18/14 16:55 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | 35.9 | ug/L | 1.0 | 1 | | 12/18/14 16:55 | 108-67-8 | |
| Xylene (Total) | 11.9 | ug/L | 3.0 | 1 | | 12/18/14 16:55 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 96 | % | 70-130 | 1 | | 12/18/14 16:55 | 1868-53-7 | |
| Toluene-d8 (S) | 101 | % | 70-130 | 1 | | 12/18/14 16:55 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 100 | % | 59-130 | 1 | | 12/18/14 16:55 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 EXLAND49/55-0029

Pace Project No.: 40108498

| Sample: MW-5 | | Lab ID: 40108498017 | Collected: 12/09/14 12:49 | Received: 12/16/14 08:40 | Matrix: Water | | | |
|--------------------------|---------|-----------------------------|---------------------------|--------------------------|---------------|----------------|-----------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 MSV UST | | Analytical Method: EPA 8260 | | | | | | |
| Benzene | 29.4 | ug/L | 20.0 | 20 | | 12/18/14 10:56 | 71-43-2 | |
| Ethylbenzene | 251 | ug/L | 20.0 | 20 | | 12/18/14 10:56 | 100-41-4 | |
| Toluene | <20.0 | ug/L | 20.0 | 20 | | 12/18/14 10:56 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | 118 | ug/L | 20.0 | 20 | | 12/18/14 10:56 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | 48.1 | ug/L | 20.0 | 20 | | 12/18/14 10:56 | 108-67-8 | |
| Xylene (Total) | 498 | ug/L | 60.0 | 20 | | 12/18/14 10:56 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 92 | % | 70-130 | 20 | | 12/18/14 10:56 | 1868-53-7 | D3 |
| Toluene-d8 (S) | 97 | % | 70-130 | 20 | | 12/18/14 10:56 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 97 | % | 59-130 | 20 | | 12/18/14 10:56 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 EXLAND49/55-0029

Pace Project No.: 40108498

| Sample: MW-7 | | Lab ID: 40108498018 | Collected: 12/09/14 15:00 | Received: 12/16/14 08:40 | Matrix: Water | | | |
|--------------------------|---------|-----------------------------|---------------------------|--------------------------|---------------|----------------|-----------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 MSV UST | | Analytical Method: EPA 8260 | | | | | | |
| Benzene | 37.3 | ug/L | 2.0 | 2 | | 12/18/14 11:18 | 71-43-2 | |
| Ethylbenzene | 70.0 | ug/L | 2.0 | 2 | | 12/18/14 11:18 | 100-41-4 | |
| Toluene | <2.0 | ug/L | 2.0 | 2 | | 12/18/14 11:18 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | 67.5 | ug/L | 2.0 | 2 | | 12/18/14 11:18 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | 17.9 | ug/L | 2.0 | 2 | | 12/18/14 11:18 | 108-67-8 | |
| Xylene (Total) | 238 | ug/L | 6.0 | 2 | | 12/18/14 11:18 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 86 | % | 70-130 | 2 | | 12/18/14 11:18 | 1868-53-7 | |
| Toluene-d8 (S) | 100 | % | 70-130 | 2 | | 12/18/14 11:18 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 98 | % | 59-130 | 2 | | 12/18/14 11:18 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 EXLAND49/55-0029

Pace Project No.: 40108498

| Sample: MW-11 | | Lab ID: 40108498019 | Collected: 12/09/14 15:30 | Received: 12/16/14 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 | | 12/20/14 00:10 | 71-43-2 | |
| Ethylbenzene | 273 | ug/L | 4.0 | 4 | | 12/20/14 00:10 | 100-41-4 | |
| Toluene | <4.0 | ug/L | 4.0 | 4 | | 12/20/14 00:10 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | 215 | ug/L | 4.0 | 4 | | 12/20/14 00:10 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | 59.7 | ug/L | 4.0 | 4 | | 12/20/14 00:10 | 108-67-8 | |
| Xylene (Total) | 1520 | ug/L | 12.0 | 4 | | 12/20/14 00:10 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 99 | % | 70-130 | 4 | | 12/20/14 00:10 | 1868-53-7 | |
| Toluene-d8 (S) | 103 | % | 70-130 | 4 | | 12/20/14 00:10 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 99 | % | 59-130 | 4 | | 12/20/14 00:10 | 460-00-4 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 EXLAND49/55-0029

Pace Project No.: 40108498

| Sample: M-1 | | Lab ID: 40108498020 | Collected: 12/09/14 00:00 | Received: 12/16/14 08:40 | Matrix: Water | | | |
|--------------------------|---------|-----------------------------|---------------------------|--------------------------|---------------|----------------|-----------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 MSV UST | | Analytical Method: EPA 8260 | | | | | | |
| Benzene | 19.2 | ug/L | 1.0 | 1 | | 12/18/14 17:17 | 71-43-2 | |
| Ethylbenzene | 74.3 | ug/L | 1.0 | 1 | | 12/18/14 17:17 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 12/18/14 17:17 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | 7.9 | ug/L | 1.0 | 1 | | 12/18/14 17:17 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | 36.4 | ug/L | 1.0 | 1 | | 12/18/14 17:17 | 108-67-8 | |
| Xylene (Total) | 15.5 | ug/L | 3.0 | 1 | | 12/18/14 17:17 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 87 | % | 70-130 | 1 | | 12/18/14 17:17 | 1868-53-7 | |
| Toluene-d8 (S) | 99 | % | 70-130 | 1 | | 12/18/14 17:17 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 100 | % | 59-130 | 1 | | 12/18/14 17:17 | 460-00-4 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 EXLAND49/55-0029

Pace Project No.: 40108498

| Sample: TRIP BLANK | | Lab ID: 40108498021 | Collected: 12/09/14 00:00 | Received: 12/16/14 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 | | 12/18/14 21:26 | 71-43-2 | |
| Ethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 21:26 | 100-41-4 | |
| Toluene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 21:26 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 21:26 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 12/18/14 21:26 | 108-67-8 | |
| Xylene (Total) | <3.0 ug/L | | 3.0 | 1 | | 12/18/14 21:26 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 91 % | | 70-130 | 1 | | 12/18/14 21:26 | 1868-53-7 | |
| Toluene-d8 (S) | 100 % | | 70-130 | 1 | | 12/18/14 21:26 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 93 % | | 59-130 | 1 | | 12/18/14 21:26 | 460-00-4 | |

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ENBRIDGE MP85 EXLAND49/55-0029

Pace Project No.: 40108498

| | | | |
|-------------------------|---|-----------------------|--------------------|
| QC Batch: | MSV/26933 | Analysis Method: | EPA 8260 |
| QC Batch Method: | EPA 8260 | Analysis Description: | 8260 MSV UST-WATER |
| Associated Lab Samples: | 40108498001, 40108498002, 40108498003, 40108498004, 40108498005, 40108498006, 40108498007, 40108498008, 40108498009, 40108498010, 40108498011, 40108498012, 40108498013, 40108498014, 40108498015, 40108498016, 40108498017, 40108498018, 40108498020 | | |

| | | | |
|-------------------------|---|---------|-------|
| METHOD BLANK: | 1097626 | Matrix: | Water |
| Associated Lab Samples: | 40108498001, 40108498002, 40108498003, 40108498004, 40108498005, 40108498006, 40108498007, 40108498008, 40108498009, 40108498010, 40108498011, 40108498012, 40108498013, 40108498014, 40108498015, 40108498016, 40108498017, 40108498018, 40108498020 | | |

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--------------------------|-------|--------------|-----------------|----------------|------------|
| 1,2,4-Trimethylbenzene | ug/L | <1.0 | 1.0 | 12/18/14 07:12 | |
| 1,3,5-Trimethylbenzene | ug/L | <1.0 | 1.0 | 12/18/14 07:12 | |
| Benzene | ug/L | <1.0 | 1.0 | 12/18/14 07:12 | |
| Ethylbenzene | ug/L | <1.0 | 1.0 | 12/18/14 07:12 | |
| Toluene | ug/L | <1.0 | 1.0 | 12/18/14 07:12 | |
| Xylene (Total) | ug/L | <3.0 | 3.0 | 12/18/14 07:12 | |
| 4-Bromofluorobenzene (S) | % | 90 | 59-130 | 12/18/14 07:12 | |
| Dibromofluoromethane (S) | % | 94 | 70-130 | 12/18/14 07:12 | |
| Toluene-d8 (S) | % | 98 | 70-130 | 12/18/14 07:12 | |

| Parameter | Units | 1097627 | | 1097628 | | % Rec Limits | RPD | Max RPD | Qualifiers |
|--------------------------|-------|-------------|------------|------------|-----------|--------------|-----|---------|------------|
| | | Spike Conc. | LCS Result | LCS Result | LCS % Rec | | | | |
| Benzene | ug/L | 50 | 45.3 | 55.9 | 91 | 70-130 | 21 | 20 | R1 |
| Ethylbenzene | ug/L | 50 | 55.0 | 56.2 | 110 | 70-130 | 2 | 20 | |
| Toluene | ug/L | 50 | 53.6 | 55.3 | 107 | 70-130 | 3 | 20 | |
| Xylene (Total) | ug/L | 150 | 161 | 164 | 107 | 70-130 | 2 | 20 | |
| 4-Bromofluorobenzene (S) | % | | | | 104 | 59-130 | | | |
| Dibromofluoromethane (S) | % | | | | 89 | 70-130 | | | |
| Toluene-d8 (S) | % | | | | 99 | 70-130 | | | |

| Parameter | Units | 1098384 | | 1098385 | | % Rec Limits | RPD | Max RPD | Qual |
|--------------------------|-------|-----------|-----------------|----------------|------------|--------------|-----|---------|------|
| | | MS Result | MSD Spike Conc. | MS Spike Conc. | MSD Result | | | | |
| Benzene | ug/L | <1.0 | 50 | 50 | 47.9 | 70-130 | 2 | 20 | |
| Ethylbenzene | ug/L | <1.0 | 50 | 50 | 54.8 | 70-130 | 2 | 20 | |
| Toluene | ug/L | <1.0 | 50 | 50 | 53.0 | 70-130 | 2 | 20 | |
| Xylene (Total) | ug/L | <3.0 | 150 | 150 | 159 | 70-132 | 1 | 20 | |
| 4-Bromofluorobenzene (S) | % | | | | 102 | 59-130 | | | |
| Dibromofluoromethane (S) | % | | | | 90 | 70-130 | | | |
| Toluene-d8 (S) | % | | | | 98 | 70-130 | | | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ENBRIDGE MP85 EXLAND49/55-0029

Pace Project No.: 40108498

| | | | |
|-------------------------|-------------|-----------------------|--------------------|
| QC Batch: | MSV/26953 | Analysis Method: | EPA 8260 |
| QC Batch Method: | EPA 8260 | Analysis Description: | 8260 MSV UST-WATER |
| Associated Lab Samples: | 40108498021 | | |

METHOD BLANK: 1098346 Matrix: Water

Associated Lab Samples: 40108498021

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--------------------------|-------|--------------|-----------------|----------------|------------|
| 1,2,4-Trimethylbenzene | ug/L | <1.0 | 1.0 | 12/18/14 18:42 | |
| 1,3,5-Trimethylbenzene | ug/L | <1.0 | 1.0 | 12/18/14 18:42 | |
| Benzene | ug/L | <1.0 | 1.0 | 12/18/14 18:42 | |
| Ethylbenzene | ug/L | <1.0 | 1.0 | 12/18/14 18:42 | |
| Toluene | ug/L | <1.0 | 1.0 | 12/18/14 18:42 | |
| Xylene (Total) | ug/L | <3.0 | 3.0 | 12/18/14 18:42 | |
| 4-Bromofluorobenzene (S) | % | 92 | 59-130 | 12/18/14 18:42 | |
| Dibromofluoromethane (S) | % | 91 | 70-130 | 12/18/14 18:42 | |
| Toluene-d8 (S) | % | 98 | 70-130 | 12/18/14 18:42 | |

LABORATORY CONTROL SAMPLE & LCSD: 1098347 1098348

| Parameter | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
|--------------------------|-------|-------------|------------|-------------|-----------|------------|--------------|-----|---------|------------|
| Benzene | ug/L | 50 | 47.8 | 46.6 | 96 | 93 | 70-130 | 2 | 20 | |
| Ethylbenzene | ug/L | 50 | 55.7 | 54.8 | 111 | 110 | 70-130 | 2 | 20 | |
| Toluene | ug/L | 50 | 54.7 | 53.4 | 109 | 107 | 70-130 | 2 | 20 | |
| Xylene (Total) | ug/L | 150 | 161 | 158 | 108 | 106 | 70-130 | 2 | 20 | |
| 4-Bromofluorobenzene (S) | % | | | | 102 | 102 | 59-130 | | | |
| Dibromofluoromethane (S) | % | | | | 99 | 90 | 70-130 | | | |
| Toluene-d8 (S) | % | | | | 97 | 99 | 70-130 | | | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1099053 1099054

| Parameter | Units | 40108566003 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|--------------------------|-------|--------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| Benzene | ug/L | 47.9 | 50 | 50 | 88.7 | 79.7 | 82 | 64 | 70-130 | 11 | 20 | M1 |
| Ethylbenzene | ug/L | <0.50 | 50 | 50 | 53.8 | 53.3 | 107 | 106 | 70-130 | 1 | 20 | |
| Toluene | ug/L | <0.50 | 50 | 50 | 52.8 | 52.1 | 105 | 104 | 70-130 | 1 | 20 | |
| Xylene (Total) | ug/L | <1.5 | 150 | 150 | 157 | 154 | 104 | 102 | 70-132 | 2 | 20 | |
| 4-Bromofluorobenzene (S) | % | | | | | | 101 | 101 | 59-130 | | | |
| Dibromofluoromethane (S) | % | | | | | | 96 | 89 | 70-130 | | | |
| Toluene-d8 (S) | % | | | | | | 98 | 97 | 70-130 | | | |

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QUALITY CONTROL DATA

Project: ENBRIDGE MP85 EXLAND49/55-0029

Pace Project No.: 40108498

| | | | |
|-------------------------|-------------|-----------------------|--------------------|
| QC Batch: | MSV/26977 | Analysis Method: | EPA 8260 |
| QC Batch Method: | EPA 8260 | Analysis Description: | 8260 MSV UST-WATER |
| Associated Lab Samples: | 40108498019 | | |

METHOD BLANK: 1098968 Matrix: Water

Associated Lab Samples: 40108498019

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--------------------------|-------|--------------|-----------------|----------------|------------|
| 1,2,4-Trimethylbenzene | ug/L | <1.0 | 1.0 | 12/19/14 17:58 | |
| 1,3,5-Trimethylbenzene | ug/L | <1.0 | 1.0 | 12/19/14 17:58 | |
| Benzene | ug/L | <1.0 | 1.0 | 12/19/14 17:58 | |
| Ethylbenzene | ug/L | <1.0 | 1.0 | 12/19/14 17:58 | |
| Toluene | ug/L | <1.0 | 1.0 | 12/19/14 17:58 | |
| Xylene (Total) | ug/L | <3.0 | 3.0 | 12/19/14 17:58 | |
| 4-Bromofluorobenzene (S) | % | 94 | 59-130 | 12/19/14 17:58 | |
| Dibromofluoromethane (S) | % | 97 | 70-130 | 12/19/14 17:58 | |
| Toluene-d8 (S) | % | 99 | 70-130 | 12/19/14 17:58 | |

LABORATORY CONTROL SAMPLE & LCSD: 1098969 1098970

| Parameter | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
|--------------------------|-------|-------------|------------|-------------|-----------|------------|--------------|-----|---------|------------|
| Benzene | ug/L | 50 | 50.9 | 51.7 | 102 | 103 | 70-130 | 1 | 20 | |
| Ethylbenzene | ug/L | 50 | 53.8 | 55.0 | 108 | 110 | 70-130 | 2 | 20 | |
| Toluene | ug/L | 50 | 51.4 | 52.1 | 103 | 104 | 70-130 | 1 | 20 | |
| Xylene (Total) | ug/L | 150 | 163 | 167 | 109 | 111 | 70-130 | 2 | 20 | |
| 4-Bromofluorobenzene (S) | % | | | | 100 | 99 | 59-130 | | | |
| Dibromofluoromethane (S) | % | | | | 103 | 103 | 70-130 | | | |
| Toluene-d8 (S) | % | | | | 100 | 99 | 70-130 | | | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1098971 1098972

| Parameter | Units | MS | | MSD | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|--------------------------|-------|--------------------|-------------|-------------|-----------|----------|-----------|--------------|--------|---------|------|
| | | 40108643005 Result | Spike Conc. | Spike Conc. | MS Result | | | | | | |
| Benzene | ug/L | 40.4 | 50 | 50 | 92.5 | 95.3 | 104 | 110 | 70-130 | 3 | 20 |
| Ethylbenzene | ug/L | 3.0 | 50 | 50 | 58.8 | 59.6 | 112 | 113 | 70-130 | 1 | 20 |
| Toluene | ug/L | 1.1 | 50 | 50 | 53.3 | 54.3 | 104 | 106 | 70-130 | 2 | 20 |
| Xylene (Total) | ug/L | 14.6 | 150 | 150 | 183 | 187 | 112 | 115 | 70-132 | 2 | 20 |
| 4-Bromofluorobenzene (S) | % | | | | | | 100 | 99 | 59-130 | | |
| Dibromofluoromethane (S) | % | | | | | | 103 | 104 | 70-130 | | |
| Toluene-d8 (S) | % | | | | | | 99 | 100 | 70-130 | | |

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QUALIFIERS

Project: ENBRIDGE MP85 EXLAND49/55-0029

Pace Project No.: 40108498

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

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 (8270 listed analyte) decomposes to Azobenzene.

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).

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

R1 RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: ENBRIDGE MP85 EXLAND49/55-0029

Pace Project No.: 40108498

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|------------|-----------------|-----------|-------------------|------------------|
| 40108498001 | MW-21 | EPA 8260 | MSV/26933 | | |
| 40108498002 | MW-17 | EPA 8260 | MSV/26933 | | |
| 40108498003 | MW-16 | EPA 8260 | MSV/26933 | | |
| 40108498004 | MW-15 | EPA 8260 | MSV/26933 | | |
| 40108498005 | MW-14 | EPA 8260 | MSV/26933 | | |
| 40108498006 | MW-13 | EPA 8260 | MSV/26933 | | |
| 40108498007 | MW-9 | EPA 8260 | MSV/26933 | | |
| 40108498008 | MW-8 | EPA 8260 | MSV/26933 | | |
| 40108498009 | MW-4 | EPA 8260 | MSV/26933 | | |
| 40108498010 | MW-3 | EPA 8260 | MSV/26933 | | |
| 40108498011 | MW-15-D | EPA 8260 | MSV/26933 | | |
| 40108498012 | MW-6 | EPA 8260 | MSV/26933 | | |
| 40108498013 | MW-12 | EPA 8260 | MSV/26933 | | |
| 40108498014 | MW-2 | EPA 8260 | MSV/26933 | | |
| 40108498015 | MW-34 | EPA 8260 | MSV/26933 | | |
| 40108498016 | MW-33 | EPA 8260 | MSV/26933 | | |
| 40108498017 | MW-5 | EPA 8260 | MSV/26933 | | |
| 40108498018 | MW-7 | EPA 8260 | MSV/26933 | | |
| 40108498019 | MW-11 | EPA 8260 | MSV/26977 | | |
| 40108498020 | M-1 | EPA 8260 | MSV/26933 | | |
| 40108498021 | TRIP BLANK | EPA 8260 | MSV/26953 | | |

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: *Barr Engineering*

Branch/Location:

Project Contact: *Jon Aspia*

Phone: *952-832-2777*

Project Number: *49/55 0029 00 2014 001*

Project Name: *Embargo MP-85*

Project State: *Wisconsin*

Sampled By (Print): *Wanda Mitchell*

Sampled By (Sign):

PO #:

Regulatory Program:

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 | Y/N | Pick Letter | Analyses Requested |
|------------|-----------------|------------|-------|--------|-----|-------------|--------------------|
| | | DATE | TIME | | | | |
| 001 | MW-31 | 12-8 | 2:10 | GW | | X | PUC No m-lab |
| | MW-18 | | | GW | | X | |
| 002 | MW-17 | 12-8 | 2:32 | GW | | X | |
| 003 | MW-16 | 12-9 | 8:12 | GW | | X | |
| 004 | MW-15 | 12-8 | 3:02 | GW | | X | |
| 005 | MW-14 | 12-9 | 1:55 | GW | | X | |
| 006 | MW-13 | 12-9 | 10:01 | GW | | X | |
| 007 | MW-9 | 12-9 | 10:35 | GW | | X | |
| 008 | MW-8 | 12-9 | 11:57 | GW | | X | |
| 009 | MW-4 | 12-9 | 10:55 | GW | | X | |
| 010 | MW-3 | 12-9 | 11:18 | GW | | X | |
| 011 | MW-15-d | 12-8 | 4:00 | GW | | X | |
| 012 | MW-6 | 12-9 | 1:11 | GW | | X | |



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)*

UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

40108498

Quote #:

Mail To Contact: *Jon Aspia*

Mail To Company: *Barr Engineering*

Mail To Address: *4700 W 77th Street
 Minneapolis Minn*

Invoice To Contact: *S.A.A.*

Invoice To Company:

Invoice To Address:

Invoice To Phone:

CLIENT COMMENTS

LAB COMMENTS (Lab Use Only)

Profile #

3-40ml v B

NO Sample

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: *Wanda Mitchell* Date/Time: *12-12-14*

Relinquished By: *Waltco* Date/Time: *12-16-14 0840*

Relinquished By: Date/Time:

Relinquished By: Date/Time:

Relinquished By: Date/Time:

Received By: Date/Time:

Received By: *Kathleen Waudel* Date/Time: *12-16-14 0840*

Received By: Date/Time:

Received By: Date/Time:

Received By: Date/Time:

PACE Project No. *40108498*

Receipt Temp = *RO1* °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# : 40108498**

Client Name: Barr Engineering
 Courier: Fed Ex UPS Client Pace Other: Waltco
 Tracking #: 699841



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: ROI /Corr: _____ Biological Tissue is Frozen: yes no
 Temp Blank Present: yes no

Person examining contents:
Date: 12-16-14
Initials: REW

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 type="checkbox"/> Yes <input checked="" 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. No times on most vials KW 12-16-14 |
| -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, Spillform, 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. 001, 004, 008, 009, 011, 012, 017-019 KW 12-16-14 |
| 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>333</u> | | |

Client Notification/ Resolution: _____ If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: 001, 004, 008, 009, 011, 018, 019 all have 1 vial with headspace.
012 all 3 vials have headspace.
017 has 2 vials with headspace 12/16/14 REW

Project Manager Review: [Signature] Date: 12/16/14

May 06, 2014

Margaret Treanor
Barr Engineering Co.
4700 West 77th Street
Minneapolis, MN 55435

RE: Project: ENBRIDGE MP85 Exland49/55-0029
Pace Project No.: 4093924

Dear Margaret Treanor:

Enclosed are the analytical results for sample(s) received by the laboratory on March 28, 2014. 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.

Revised Report: The sample ID has been corrected for 4093924005.

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: Andrea Nord, Barr Engineering Co.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 4093924

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

New York Certification #: 11888

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

US Dept of Agriculture #: S-76505

Wisconsin Certification #: 405132750

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SAMPLE SUMMARY

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 4093924

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|------------|------------|--------|----------------|----------------|
| 4093924001 | MW-33 | Water | 03/26/14 11:05 | 03/28/14 08:40 |
| 4093924002 | MW-5 | Water | 03/26/14 12:54 | 03/28/14 08:40 |
| 4093924003 | MW-7 | Water | 03/26/14 14:50 | 03/28/14 08:40 |
| 4093924004 | MW-11 | Water | 03/26/14 14:05 | 03/28/14 08:40 |
| 4093924005 | M-1 | Water | 03/26/14 00:00 | 03/28/14 08:40 |
| 4093924006 | R. BLANK | Water | 03/26/14 00:00 | 03/28/14 08:40 |
| 4093924007 | MW-21 | Water | 03/25/14 14:30 | 03/28/14 08:40 |
| 4093924008 | MW-16 | Water | 03/25/14 15:15 | 03/28/14 08:40 |
| 4093924009 | MW-15 | Water | 03/26/14 09:45 | 03/28/14 08:40 |
| 4093924010 | MW-14 | Water | 03/26/14 11:30 | 03/28/14 08:40 |
| 4093924011 | MW-8 | Water | 03/26/14 13:55 | 03/28/14 08:40 |
| 4093924012 | MW-7D | Water | 03/26/14 15:45 | 03/28/14 08:40 |
| 4093924013 | MW-6 | Water | 03/25/14 16:00 | 03/28/14 08:40 |
| 4093924014 | MW-12 | Water | 03/26/14 11:45 | 03/28/14 08:40 |
| 4093924015 | MW-2 | Water | 03/26/14 13:20 | 03/28/14 08:40 |
| 4093924016 | MW-34 | Water | 03/26/14 10:25 | 03/28/14 08:40 |
| 4093924017 | TRIP BLANK | Water | 03/26/14 00:00 | 03/28/14 08:40 |

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SAMPLE ANALYTE COUNT

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 4093924

| Lab ID | Sample ID | Method | Analysts | Analytes Reported |
|------------|------------|----------|----------|-------------------|
| 4093924001 | MW-33 | EPA 8260 | HNW | 9 |
| 4093924002 | MW-5 | EPA 8260 | HNW | 9 |
| 4093924003 | MW-7 | EPA 8260 | HNW | 9 |
| 4093924004 | MW-11 | EPA 8260 | HNW | 9 |
| 4093924005 | M-1 | EPA 8260 | HNW | 9 |
| 4093924006 | R. BLANK | EPA 8260 | HNW | 9 |
| 4093924007 | MW-21 | EPA 8260 | HNW | 9 |
| 4093924008 | MW-16 | EPA 8260 | HNW | 9 |
| 4093924009 | MW-15 | EPA 8260 | HNW | 9 |
| 4093924010 | MW-14 | EPA 8260 | HNW | 9 |
| 4093924011 | MW-8 | EPA 8260 | HNW | 9 |
| 4093924012 | MW-7D | EPA 8260 | HNW | 9 |
| 4093924013 | MW-6 | EPA 8260 | HNW | 9 |
| 4093924014 | MW-12 | EPA 8260 | HNW | 9 |
| 4093924015 | MW-2 | EPA 8260 | HNW | 9 |
| 4093924016 | MW-34 | EPA 8260 | HNW | 9 |
| 4093924017 | TRIP BLANK | EPA 8260 | HNW | 9 |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 4093924

| Sample: MW-33 | | Lab ID: 4093924001 | Collected: 03/26/14 11:05 | Received: 03/28/14 08:40 | Matrix: Water | | | |
|--------------------------|---------|-----------------------------|---------------------------|--------------------------|---------------|----------------|-----------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 MSV UST | | Analytical Method: EPA 8260 | | | | | | |
| Benzene | 17.3 | ug/L | 1.0 | 1 | | 03/29/14 21:32 | 71-43-2 | |
| Ethylbenzene | 40.6 | ug/L | 1.0 | 1 | | 03/29/14 21:32 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 03/29/14 21:32 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | 1.4 | ug/L | 1.0 | 1 | | 03/29/14 21:32 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | 15.9 | ug/L | 1.0 | 1 | | 03/29/14 21:32 | 108-67-8 | |
| Xylene (Total) | <3.0 | ug/L | 3.0 | 1 | | 03/29/14 21:32 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 87 | % | 70-130 | 1 | | 03/29/14 21:32 | 1868-53-7 | |
| Toluene-d8 (S) | 94 | % | 70-130 | 1 | | 03/29/14 21:32 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 92 | % | 59-130 | 1 | | 03/29/14 21:32 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 4093924

| Sample: MW-5 | | Lab ID: 4093924002 | Collected: 03/26/14 12:54 | Received: 03/28/14 08:40 | Matrix: Water | | | |
|--------------------------|---------|-----------------------------|---------------------------|--------------------------|---------------|----------------|-----------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 MSV UST | | Analytical Method: EPA 8260 | | | | | | |
| Benzene | 25.0 | ug/L | 20.0 | 20 | | 03/30/14 00:31 | 71-43-2 | |
| Ethylbenzene | 136 | ug/L | 20.0 | 20 | | 03/30/14 00:31 | 100-41-4 | |
| Toluene | <20.0 | ug/L | 20.0 | 20 | | 03/30/14 00:31 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | 59.0 | ug/L | 20.0 | 20 | | 03/30/14 00:31 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | 44.2 | ug/L | 20.0 | 20 | | 03/30/14 00:31 | 108-67-8 | |
| Xylene (Total) | 110 | ug/L | 60.0 | 20 | | 03/30/14 00:31 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 87 % | | 70-130 | 20 | | 03/30/14 00:31 | 1868-53-7 | D3 |
| Toluene-d8 (S) | 92 % | | 70-130 | 20 | | 03/30/14 00:31 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 89 % | | 59-130 | 20 | | 03/30/14 00:31 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 4093924

| Sample: MW-7 | | Lab ID: 4093924003 | Collected: 03/26/14 14:50 | Received: 03/28/14 08:40 | Matrix: Water | | | |
|--------------------------|---------|-----------------------------|---------------------------|--------------------------|---------------|----------------|-----------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 MSV UST | | Analytical Method: EPA 8260 | | | | | | |
| Benzene | 39.5 | ug/L | 2.0 | 2 | | 03/30/14 00:54 | 71-43-2 | |
| Ethylbenzene | 22.0 | ug/L | 2.0 | 2 | | 03/30/14 00:54 | 100-41-4 | |
| Toluene | <2.0 | ug/L | 2.0 | 2 | | 03/30/14 00:54 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | 59.3 | ug/L | 2.0 | 2 | | 03/30/14 00:54 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | 22.9 | ug/L | 2.0 | 2 | | 03/30/14 00:54 | 108-67-8 | |
| Xylene (Total) | 61.5 | ug/L | 6.0 | 2 | | 03/30/14 00:54 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 88 | % | 70-130 | 2 | | 03/30/14 00:54 | 1868-53-7 | D3 |
| Toluene-d8 (S) | 91 | % | 70-130 | 2 | | 03/30/14 00:54 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 90 | % | 59-130 | 2 | | 03/30/14 00:54 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 4093924

| Sample: MW-11 | | Lab ID: 4093924004 | Collected: 03/26/14 14:05 | Received: 03/28/14 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 | | 03/30/14 01:16 | 71-43-2 | |
| Ethylbenzene | 138 | ug/L | 4.0 | 4 | | 03/30/14 01:16 | 100-41-4 | |
| Toluene | 7.3 | ug/L | 4.0 | 4 | | 03/30/14 01:16 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | 182 | ug/L | 4.0 | 4 | | 03/30/14 01:16 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | 56.6 | ug/L | 4.0 | 4 | | 03/30/14 01:16 | 108-67-8 | |
| Xylene (Total) | 857 | ug/L | 12.0 | 4 | | 03/30/14 01:16 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 87 % | | 70-130 | 4 | | 03/30/14 01:16 | 1868-53-7 | |
| Toluene-d8 (S) | 91 % | | 70-130 | 4 | | 03/30/14 01:16 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 91 % | | 59-130 | 4 | | 03/30/14 01:16 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 4093924

| Sample: M-1 | | Lab ID: 4093924005 | Collected: 03/26/14 00:00 | Received: 03/28/14 08:40 | Matrix: Water | | | |
|--------------------------|---------|-----------------------------|---------------------------|--------------------------|---------------|----------------|-----------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 MSV UST | | Analytical Method: EPA 8260 | | | | | | |
| Benzene | 16.8 | ug/L | 1.0 | 1 | | 03/29/14 21:54 | 71-43-2 | |
| Ethylbenzene | 39.4 | ug/L | 1.0 | 1 | | 03/29/14 21:54 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 03/29/14 21:54 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | 1.3 | ug/L | 1.0 | 1 | | 03/29/14 21:54 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | 15.6 | ug/L | 1.0 | 1 | | 03/29/14 21:54 | 108-67-8 | |
| Xylene (Total) | <3.0 | ug/L | 3.0 | 1 | | 03/29/14 21:54 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 87 | % | 70-130 | 1 | | 03/29/14 21:54 | 1868-53-7 | |
| Toluene-d8 (S) | 94 | % | 70-130 | 1 | | 03/29/14 21:54 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 93 | % | 59-130 | 1 | | 03/29/14 21:54 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 4093924

| Sample: R. BLANK | | Lab ID: 4093924006 | Collected: 03/26/14 00:00 | Received: 03/28/14 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 | | 03/29/14 18:55 | 71-43-2 | |
| Ethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 03/29/14 18:55 | 100-41-4 | |
| Toluene | <1.0 ug/L | | 1.0 | 1 | | 03/29/14 18:55 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 03/29/14 18:55 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 03/29/14 18:55 | 108-67-8 | |
| Xylene (Total) | <3.0 ug/L | | 3.0 | 1 | | 03/29/14 18:55 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 92 % | | 70-130 | 1 | | 03/29/14 18:55 | 1868-53-7 | |
| Toluene-d8 (S) | 91 % | | 70-130 | 1 | | 03/29/14 18:55 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 86 % | | 59-130 | 1 | | 03/29/14 18:55 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 4093924

| Sample: MW-21 | | Lab ID: 4093924007 | Collected: 03/25/14 14:30 | Received: 03/28/14 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 | | 03/29/14 18:33 | 71-43-2 | |
| Ethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 03/29/14 18:33 | 100-41-4 | |
| Toluene | <1.0 ug/L | | 1.0 | 1 | | 03/29/14 18:33 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 03/29/14 18:33 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 03/29/14 18:33 | 108-67-8 | |
| Xylene (Total) | <3.0 ug/L | | 3.0 | 1 | | 03/29/14 18:33 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 91 % | | 70-130 | 1 | | 03/29/14 18:33 | 1868-53-7 | |
| Toluene-d8 (S) | 92 % | | 70-130 | 1 | | 03/29/14 18:33 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 88 % | | 59-130 | 1 | | 03/29/14 18:33 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 4093924

| Sample: MW-16 | Lab ID: 4093924008 | Collected: 03/25/14 15:15 | Received: 03/28/14 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 | | 03/29/14 20:47 | 71-43-2 | |
| Ethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 03/29/14 20:47 | 100-41-4 | |
| Toluene | <1.0 ug/L | | 1.0 | 1 | | 03/29/14 20:47 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 03/29/14 20:47 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 03/29/14 20:47 | 108-67-8 | |
| Xylene (Total) | <3.0 ug/L | | 3.0 | 1 | | 03/29/14 20:47 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 88 % | | 70-130 | 1 | | 03/29/14 20:47 | 1868-53-7 | |
| Toluene-d8 (S) | 92 % | | 70-130 | 1 | | 03/29/14 20:47 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 91 % | | 59-130 | 1 | | 03/29/14 20:47 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 4093924

| Sample: MW-15 | | Lab ID: 4093924009 | Collected: 03/26/14 09:45 | Received: 03/28/14 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 | | 03/29/14 22:17 | 71-43-2 | |
| Ethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 03/29/14 22:17 | 100-41-4 | |
| Toluene | <1.0 ug/L | | 1.0 | 1 | | 03/29/14 22:17 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 03/29/14 22:17 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 03/29/14 22:17 | 108-67-8 | |
| Xylene (Total) | <3.0 ug/L | | 3.0 | 1 | | 03/29/14 22:17 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 87 % | | 70-130 | 1 | | 03/29/14 22:17 | 1868-53-7 | |
| Toluene-d8 (S) | 92 % | | 70-130 | 1 | | 03/29/14 22:17 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 88 % | | 59-130 | 1 | | 03/29/14 22:17 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 4093924

| Sample: MW-14 | | Lab ID: 4093924010 | Collected: 03/26/14 11:30 | Received: 03/28/14 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 | | 03/29/14 22:39 | 71-43-2 | |
| Ethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 03/29/14 22:39 | 100-41-4 | |
| Toluene | <1.0 ug/L | | 1.0 | 1 | | 03/29/14 22:39 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 03/29/14 22:39 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 03/29/14 22:39 | 108-67-8 | |
| Xylene (Total) | <3.0 ug/L | | 3.0 | 1 | | 03/29/14 22:39 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 89 % | | 70-130 | 1 | | 03/29/14 22:39 | 1868-53-7 | |
| Toluene-d8 (S) | 92 % | | 70-130 | 1 | | 03/29/14 22:39 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 87 % | | 59-130 | 1 | | 03/29/14 22:39 | 460-00-4 | |

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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 4093924

| Sample: MW-8 | Lab ID: 4093924011 | Collected: 03/26/14 13:55 | Received: 03/28/14 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 | | 03/29/14 23:02 | 71-43-2 | |
| Ethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 03/29/14 23:02 | 100-41-4 | |
| Toluene | <1.0 ug/L | | 1.0 | 1 | | 03/29/14 23:02 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 03/29/14 23:02 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 03/29/14 23:02 | 108-67-8 | |
| Xylene (Total) | <3.0 ug/L | | 3.0 | 1 | | 03/29/14 23:02 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 89 % | | 70-130 | 1 | | 03/29/14 23:02 | 1868-53-7 | |
| Toluene-d8 (S) | 93 % | | 70-130 | 1 | | 03/29/14 23:02 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 87 % | | 59-130 | 1 | | 03/29/14 23:02 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 4093924

| Sample: MW-7D | | Lab ID: 4093924012 | Collected: 03/26/14 15:45 | Received: 03/28/14 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 | | 03/29/14 23:24 | 71-43-2 | |
| Ethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 03/29/14 23:24 | 100-41-4 | |
| Toluene | <1.0 ug/L | | 1.0 | 1 | | 03/29/14 23:24 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 03/29/14 23:24 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 03/29/14 23:24 | 108-67-8 | |
| Xylene (Total) | <3.0 ug/L | | 3.0 | 1 | | 03/29/14 23:24 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 90 % | | 70-130 | 1 | | 03/29/14 23:24 | 1868-53-7 | |
| Toluene-d8 (S) | 92 % | | 70-130 | 1 | | 03/29/14 23:24 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 88 % | | 59-130 | 1 | | 03/29/14 23:24 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 4093924

| Sample: MW-6 | | Lab ID: 4093924013 | Collected: 03/25/14 16:00 | Received: 03/28/14 08:40 | Matrix: Water | | | |
|--------------------------|-----------|-----------------------------|---------------------------|--------------------------|---------------|----------------|-----------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 MSV UST | | Analytical Method: EPA 8260 | | | | | | |
| Benzene | 3.2 ug/L | | 1.0 | 1 | | 03/29/14 21:10 | 71-43-2 | |
| Ethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 03/29/14 21:10 | 100-41-4 | |
| Toluene | <1.0 ug/L | | 1.0 | 1 | | 03/29/14 21:10 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 03/29/14 21:10 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 03/29/14 21:10 | 108-67-8 | |
| Xylene (Total) | <3.0 ug/L | | 3.0 | 1 | | 03/29/14 21:10 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 87 % | | 70-130 | 1 | | 03/29/14 21:10 | 1868-53-7 | |
| Toluene-d8 (S) | 92 % | | 70-130 | 1 | | 03/29/14 21:10 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 90 % | | 59-130 | 1 | | 03/29/14 21:10 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 4093924

| Sample: MW-12 | | Lab ID: 4093924014 | Collected: 03/26/14 11:45 | Received: 03/28/14 08:40 | Matrix: Water | | | |
|--------------------------|---------|-----------------------------|---------------------------|--------------------------|---------------|----------------|-----------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 MSV UST | | Analytical Method: EPA 8260 | | | | | | |
| Benzene | 3.0 | ug/L | 1.0 | 1 | | 03/29/14 23:47 | 71-43-2 | |
| Ethylbenzene | 2.2 | ug/L | 1.0 | 1 | | 03/29/14 23:47 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 03/29/14 23:47 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | 9.6 | ug/L | 1.0 | 1 | | 03/29/14 23:47 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | 7.3 | ug/L | 1.0 | 1 | | 03/29/14 23:47 | 108-67-8 | |
| Xylene (Total) | 6.2 | ug/L | 3.0 | 1 | | 03/29/14 23:47 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 88 | % | 70-130 | 1 | | 03/29/14 23:47 | 1868-53-7 | |
| Toluene-d8 (S) | 94 | % | 70-130 | 1 | | 03/29/14 23:47 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 90 | % | 59-130 | 1 | | 03/29/14 23:47 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 4093924

| Sample: MW-2 | | Lab ID: 4093924015 | Collected: 03/26/14 13:20 | Received: 03/28/14 08:40 | Matrix: Water | | | |
|--------------------------|-----------|-----------------------------|---------------------------|--------------------------|---------------|----------------|-----------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 MSV UST | | Analytical Method: EPA 8260 | | | | | | |
| Benzene | <5.0 ug/L | | 5.0 | 5 | | 03/30/14 01:38 | 71-43-2 | |
| Ethylbenzene | 45.5 ug/L | | 5.0 | 5 | | 03/30/14 01:38 | 100-41-4 | |
| Toluene | <5.0 ug/L | | 5.0 | 5 | | 03/30/14 01:38 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | 12.2 ug/L | | 5.0 | 5 | | 03/30/14 01:38 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | 13.2 ug/L | | 5.0 | 5 | | 03/30/14 01:38 | 108-67-8 | |
| Xylene (Total) | 22.0 ug/L | | 15.0 | 5 | | 03/30/14 01:38 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 86 % | | 70-130 | 5 | | 03/30/14 01:38 | 1868-53-7 | D3 |
| Toluene-d8 (S) | 93 % | | 70-130 | 5 | | 03/30/14 01:38 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 90 % | | 59-130 | 5 | | 03/30/14 01:38 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 4093924

| Sample: MW-34 | | Lab ID: 4093924016 | Collected: 03/26/14 10:25 | Received: 03/28/14 08:40 | Matrix: Water | | | |
|--------------------------|---------|-----------------------------|---------------------------|--------------------------|---------------|----------------|-----------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 MSV UST | | Analytical Method: EPA 8260 | | | | | | |
| Benzene | 10.2 | ug/L | 1.0 | 1 | | 03/30/14 00:09 | 71-43-2 | |
| Ethylbenzene | 16.9 | ug/L | 1.0 | 1 | | 03/30/14 00:09 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 03/30/14 00:09 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | <1.0 | ug/L | 1.0 | 1 | | 03/30/14 00:09 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | 3.9 | ug/L | 1.0 | 1 | | 03/30/14 00:09 | 108-67-8 | |
| Xylene (Total) | <3.0 | ug/L | 3.0 | 1 | | 03/30/14 00:09 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 87 | % | 70-130 | 1 | | 03/30/14 00:09 | 1868-53-7 | |
| Toluene-d8 (S) | 93 | % | 70-130 | 1 | | 03/30/14 00:09 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 90 | % | 59-130 | 1 | | 03/30/14 00:09 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 4093924

| Sample: TRIP BLANK | | Lab ID: 4093924017 | Collected: 03/26/14 00:00 | Received: 03/28/14 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 | | 03/29/14 19:18 | 71-43-2 | |
| Ethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 03/29/14 19:18 | 100-41-4 | |
| Toluene | <1.0 ug/L | | 1.0 | 1 | | 03/29/14 19:18 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 03/29/14 19:18 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 03/29/14 19:18 | 108-67-8 | |
| Xylene (Total) | <3.0 ug/L | | 3.0 | 1 | | 03/29/14 19:18 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 93 % | | 70-130 | 1 | | 03/29/14 19:18 | 1868-53-7 | |
| Toluene-d8 (S) | 91 % | | 70-130 | 1 | | 03/29/14 19:18 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 87 % | | 59-130 | 1 | | 03/29/14 19:18 | 460-00-4 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 4093924

QC Batch: MSV/23603 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
 Associated Lab Samples: 4093924001, 4093924002, 4093924003, 4093924004, 4093924005, 4093924006, 4093924007, 4093924008, 4093924009, 4093924010, 4093924011, 4093924012, 4093924013, 4093924014, 4093924015, 4093924016, 4093924017

METHOD BLANK: 947670 Matrix: Water

Associated Lab Samples: 4093924001, 4093924002, 4093924003, 4093924004, 4093924005, 4093924006, 4093924007, 4093924008, 4093924009, 4093924010, 4093924011, 4093924012, 4093924013, 4093924014, 4093924015, 4093924016, 4093924017

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--------------------------|-------|--------------|-----------------|----------------|------------|
| 1,2,4-Trimethylbenzene | ug/L | <1.0 | 1.0 | 03/29/14 16:41 | |
| 1,3,5-Trimethylbenzene | ug/L | <1.0 | 1.0 | 03/29/14 16:41 | |
| Benzene | ug/L | <1.0 | 1.0 | 03/29/14 16:41 | |
| Ethylbenzene | ug/L | <1.0 | 1.0 | 03/29/14 16:41 | |
| Toluene | ug/L | <1.0 | 1.0 | 03/29/14 16:41 | |
| Xylene (Total) | ug/L | <3.0 | 3.0 | 03/29/14 16:41 | |
| 4-Bromofluorobenzene (S) | % | 85 | 59-130 | 03/29/14 16:41 | |
| Dibromofluoromethane (S) | % | 92 | 70-130 | 03/29/14 16:41 | |
| Toluene-d8 (S) | % | 91 | 70-130 | 03/29/14 16:41 | |

LABORATORY CONTROL SAMPLE & LCSD: 947671 947672

| Parameter | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
|--------------------------|-------|-------------|------------|-------------|-----------|------------|--------------|-----|---------|------------|
| Benzene | ug/L | 50 | 40.4 | 41.4 | 81 | 83 | 70-130 | 2 | 20 | |
| Ethylbenzene | ug/L | 50 | 48.8 | 49.4 | 98 | 99 | 70-130 | 1 | 20 | |
| Toluene | ug/L | 50 | 47.5 | 48.3 | 95 | 97 | 70-130 | 2 | 20 | |
| Xylene (Total) | ug/L | 150 | 157 | 158 | 104 | 106 | 70-130 | 1 | 20 | |
| 4-Bromofluorobenzene (S) | % | | | | 93 | 94 | 59-130 | | | |
| Dibromofluoromethane (S) | % | | | | 91 | 92 | 70-130 | | | |
| Toluene-d8 (S) | % | | | | 91 | 92 | 70-130 | | | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 947956 947957

| Parameter | Units | MS | | MSD | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|--------------------------|-------|-------------------|-------------|-------------|-----------|----------|-----------|--------------|--------|---------|------|
| | | 4093924007 Result | Spike Conc. | Spike Conc. | MS Result | | | | | | |
| Benzene | ug/L | <1.0 | 50 | 50 | 41.3 | 41.2 | 83 | 82 | 70-130 | 0 | 20 |
| Ethylbenzene | ug/L | <1.0 | 50 | 50 | 49.4 | 49.2 | 99 | 98 | 70-130 | 0 | 20 |
| Toluene | ug/L | <1.0 | 50 | 50 | 48.4 | 48.2 | 97 | 96 | 70-130 | 0 | 20 |
| Xylene (Total) | ug/L | <3.0 | 150 | 150 | 157 | 156 | 105 | 104 | 70-132 | 1 | 20 |
| 4-Bromofluorobenzene (S) | % | | | | | | 93 | 93 | 59-130 | | |
| Dibromofluoromethane (S) | % | | | | | | 91 | 92 | 70-130 | | |
| Toluene-d8 (S) | % | | | | | | 92 | 92 | 70-130 | | |

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 4093924

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

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.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 4093924

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|------------|------------|-----------------|-----------|-------------------|------------------|
| 4093924001 | MW-33 | EPA 8260 | MSV/23603 | | |
| 4093924002 | MW-5 | EPA 8260 | MSV/23603 | | |
| 4093924003 | MW-7 | EPA 8260 | MSV/23603 | | |
| 4093924004 | MW-11 | EPA 8260 | MSV/23603 | | |
| 4093924005 | M-1 | EPA 8260 | MSV/23603 | | |
| 4093924006 | R. BLANK | EPA 8260 | MSV/23603 | | |
| 4093924007 | MW-21 | EPA 8260 | MSV/23603 | | |
| 4093924008 | MW-16 | EPA 8260 | MSV/23603 | | |
| 4093924009 | MW-15 | EPA 8260 | MSV/23603 | | |
| 4093924010 | MW-14 | EPA 8260 | MSV/23603 | | |
| 4093924011 | MW-8 | EPA 8260 | MSV/23603 | | |
| 4093924012 | MW-7D | EPA 8260 | MSV/23603 | | |
| 4093924013 | MW-6 | EPA 8260 | MSV/23603 | | |
| 4093924014 | MW-12 | EPA 8260 | MSV/23603 | | |
| 4093924015 | MW-2 | EPA 8260 | MSV/23603 | | |
| 4093924016 | MW-34 | EPA 8260 | MSV/23603 | | |
| 4093924017 | TRIP BLANK | EPA 8260 | MSV/23603 | | |

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Chain of Custody

4700 West 77th Street
 Minneapolis, MN 55435-4803
 (952) 832-2600

BARR

mt

4093924

Project Number: 219/55-0029.00 Y 2014 001

Project Name: Enbridge MP-85 E-land WI

Sample Origination State WI (use two letter postal state abbreviation)

COC Number: **NO 32196**

| Number of Containers/Preservative | | | | | | | | | | COC <u>1</u> of <u>2</u> | | | | | | |
|-----------------------------------|---------|------------------------|--------------------------------------|----------------------------------|--------------------------|-----------------------------|--|----------------------|---------------------------|----------------------------|-----------------------------------|-------------------------|----------------------|------------------------|----------------------------------|-------------------------------|
| Water | | | | | Soil | | | | | Total Number Of Containers | Project Manager: <u>Jaw Aspia</u> | | | | | |
| VOCs (HCl) #1 | NO MIBG | SVOCs (unpreserved) #2 | Dissolved Metals (HNO ₃) | Total Metals (HNO ₃) | General (unpreserved) #3 | Diesel Range Organics (HCl) | Nutrients (H ₂ SO ₄) #4 | VOCs (tared MeOH) #1 | GRO, BTEX (tared MeOH) #1 | | | DRO (tared unpreserved) | Metals (unpreserved) | SVOCs (unpreserved) #2 | % Solids (plastic vial, unpres.) | |
| | | | | | | | | | | | | | | | | Project QC Contact: _____ |
| | | | | | | | | | | | | | | | | Sampled by: <u>W Mitchell</u> |
| | | | | | | | | | | | | | | | | Laboratory: <u>PACE</u> |
| 1. | 001 | MW-33 | | | 3/26/14 | 11:09 | X | | X | | | | | | | 3-40ml ^B |
| 2. | 002 | MW-5 | | | 3/26/14 | 12:54 | X | | X | | | | | | | |
| 3. | 003 | MW-7 | | | 3/26/14 | 2:50 | X | | X | | | | | | | |
| 4. | 004 | MW-11 | | | 3/26/14 | 2:05 | X | | X | | | | | | | |
| 5. | 005 | M-1 | | | 3/26/14 | Am | X | | X | | | | | | | |
| 6. | 006 | R BLANK | | | 3/26/14 | Am | X | | X | | | | | | | 2-40ml ^B |
| 7. | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | |

Common Parameter/Container - Preservation Key

- #1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
- #2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
- #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
- #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

| | | | | | | |
|---|---|----------------------|---------------------|---------------------------|----------------------|-------------------|
| Relinquished By: <u>Walter</u> | On Ice? <input checked="" type="checkbox"/> N | Date: <u>3/27/14</u> | Time: <u>1:00pm</u> | Received by: | Date: | Time: |
| Relinquished By: <u>Walter</u> | On Ice? <input checked="" type="checkbox"/> N | Date: <u>3/28/14</u> | Time: <u>0840</u> | Received by: <u>M.V.E</u> | Date: <u>3/28/14</u> | Time: <u>0840</u> |
| Samples Shipped VIA: <input type="checkbox"/> Air Freight <input type="checkbox"/> Federal Express <input type="checkbox"/> Sampler | | | Air Bill Number: | | | |
| Other: <u>Walter</u> | | | | | | |

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

4093924

Chain of Custody

4700 West 77th Street
 Minneapolis, MN 55435-4803
 (952) 832-2600



Project Number: 49/55-0029.00 Y 2014 001

Project Name: Embodger MP-85 Exland WI

Sample Origination State WI (use two letter postal state abbreviation)

COC Number: **No 32195**

| Number of Containers/Preservative | | | | | | | | | | COC <u>2</u> of <u>2</u> | Project Manager: <u>Jon Ospic</u> | | | | |
|-----------------------------------|-----|-------|------------------------|--------------------------------------|----------------------------------|--------------------------|-----------------------------|--|----------------------|---------------------------|-----------------------------------|----------------------------|---------------------------|----------------------|---|
| Water | | | | | Soil | | | | | | | Total Number Of Containers | Project QC Contact: _____ | | |
| VOCs (HCl) #1 | NO | MTBE | SVOCs (unpreserved) #2 | Dissolved Metals (HNO ₃) | Total Metals (HNO ₃) | General (unpreserved) #3 | Diesel Range Organics (HCl) | Nutrients (H ₂ SO ₄) #4 | VOCs (tared MeOH) #1 | GRO, BTEX (tared MeOH) #1 | DRO (tared unpreserved) | | | Metals (unpreserved) | SVOCs (unpreserved) #2 |
| | | | | | | | | | | | | | | | Laboratory: <u>Pace</u> 340MB ↓ |
| 1. | 007 | mw-21 | | 3/23/14 | 2:30 | X | | | | | | | | | |
| 2. | 008 | mw-16 | | 3/25/14 | 3:15 | X | | | | | | | | | |
| 3. | 009 | mw-15 | | 3/26/14 | 9:45 | | | | | | | | | | |
| 4. | 010 | mw-14 | | 3/26/14 | 11:30 | X | | | | | | | | | |
| 5. | 011 | mw-8 | | 3/26/14 | 1:55 | X | | | | | | | | | |
| 6. | 012 | mw-7d | | 3/26/14 | 3:45 | X | | | | | | | | | |
| 7. | 013 | mw-6 | | 3/25/14 | 4:00 | X | | | | | | | | | |
| 8. | 014 | mw-12 | | 3/24/14 | 11:45 | X | | | | | | | | | |
| 9. | 015 | mw-2 | | 3/24/14 | 1:20 | X | | | | | | | | | |
| 10. | 016 | mw-34 | | 3/24/14 | 10:25 | X | | | | | | | | | |

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017 TRPBLANK* 2-40ml
 Common Parameter/Container - Preservation Key

- #1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
- #2 - Semivolatile Organics = PAHs, PCB, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
- #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
- #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

| | | | | | | |
|---|---|----------------------|------------------------|-------------------------|----------------------|-------------------|
| Relinquished By: <u>Walter</u> | On Ice? <input checked="" type="checkbox"/> N | Date: <u>3/27/14</u> | Time: <u>1:00pm</u> | Received by: _____ | Date: _____ | Time: _____ |
| Relinquished By: <u>Walter</u> | On Ice? <input checked="" type="checkbox"/> N | Date: <u>3/28/14</u> | Time: <u>0840</u> | Received by: <u>MVA</u> | Date: <u>3/28/14</u> | Time: <u>0840</u> |
| Samples Shipped VIA: <input type="checkbox"/> Air Freight <input type="checkbox"/> Federal Express <input type="checkbox"/> Sampler | | | Air Bill Number: _____ | | | |
| <input checked="" type="checkbox"/> Other: <u>Walter</u> | | | | | | |

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

* Added to COC by 4/10/14 3/28/14 MVA

Sample Condition Upon Receipt

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



Project: **WO#: 4093924**

Client Name: Barr

Courier: Fed Ex UPS Client Pace Other: Wanted
Tracking #: 525371



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

Person examining contents:
Date: 3/28/14
Initials: MV

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 type="checkbox"/> Yes <input checked="" 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: <u>mt 3/28/14</u> | <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 12. 007-016 - has time of either Am or pm as time mt 3/28/14 |
| -Includes date/time/ID/Analysis Matrix: | | |
| 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 + all 1 vial each 3/28/14 MV |
| Trip Blank Present: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 15. Added to COC by lab 3/28/14 MV |
| 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>317</u> | | |

Client Notification/ Resolution: _____ If checked, see attached form for additional comments
Person Contacted: _____ Date/Time: _____
Comments/ Resolution: _____

Project Manager Review: Off for DM Date: 3/28/14

June 23, 2014

Margaret Treanor
Barr Engineering Co.
4700 West 77th Street
Minneapolis, MN 55435

RE: Project: ENBRIDGE MP85 Exland49/55-0029
Pace Project No.: 4097990

Dear Margaret Treanor:

Enclosed are the analytical results for sample(s) received by the laboratory on June 13, 2014. 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.

Amended Report: The Sample ID was corrected for 4097990006.

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: Andrea Nord, Barr Engineering Co.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 4097990

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

New York Certification #: 11888

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

US Dept of Agriculture #: S-76505

Wisconsin Certification #: 405132750

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: ENBRIDGE MP85 Exland49/55-0029
Pace Project No.: 4097990

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|------------|-------------|--------|----------------|----------------|
| 4097990001 | MW-21 | Water | 06/09/14 14:50 | 06/13/14 09:33 |
| 4097990002 | MW-16 | Water | 06/09/14 15:42 | 06/13/14 09:33 |
| 4097990003 | MW-15 | Water | 06/09/14 15:17 | 06/13/14 09:33 |
| 4097990004 | MW-14 | Water | 06/10/14 12:10 | 06/13/14 09:33 |
| 4097990005 | MW-8 | Water | 06/10/14 14:12 | 06/13/14 09:33 |
| 4097990006 | MW-7D | Water | 06/10/14 10:50 | 06/13/14 09:33 |
| 4097990007 | MW-6 | Water | 06/09/14 16:05 | 06/13/14 09:33 |
| 4097990008 | MW-12 | Water | 06/10/14 11:15 | 06/13/14 09:33 |
| 4097990009 | MW-2 | Water | 06/10/14 13:25 | 06/13/14 09:33 |
| 4097990010 | MW-34 | Water | 06/10/14 09:15 | 06/13/14 09:33 |
| 4097990011 | MW-33 | Water | 06/10/14 09:50 | 06/13/14 09:33 |
| 4097990012 | MW-5 | Water | 06/10/14 12:40 | 06/13/14 09:33 |
| 4097990013 | MW-7 | Water | 06/10/14 11:15 | 06/13/14 09:33 |
| 4097990014 | MW-11 | Water | 06/10/14 13:55 | 06/13/14 09:33 |
| 4097990015 | M-1 | Water | 06/10/14 00:00 | 06/13/14 09:33 |
| 4097990016 | RINSE BLANK | Water | 06/10/14 00:00 | 06/13/14 09:33 |
| 4097990017 | TB | Water | 06/10/14 00:00 | 06/13/14 09:33 |

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SAMPLE ANALYTE COUNT

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 4097990

| Lab ID | Sample ID | Method | Analysts | Analytes Reported |
|------------|-------------|----------|----------|-------------------|
| 4097990001 | MW-21 | EPA 8260 | HNW | 9 |
| 4097990002 | MW-16 | EPA 8260 | HNW | 9 |
| 4097990003 | MW-15 | EPA 8260 | HNW | 9 |
| 4097990004 | MW-14 | EPA 8260 | HNW | 9 |
| 4097990005 | MW-8 | EPA 8260 | HNW | 9 |
| 4097990006 | MW-7D | EPA 8260 | HNW | 9 |
| 4097990007 | MW-6 | EPA 8260 | HNW | 9 |
| 4097990008 | MW-12 | EPA 8260 | HNW | 9 |
| 4097990009 | MW-2 | EPA 8260 | HNW | 9 |
| 4097990010 | MW-34 | EPA 8260 | HNW | 9 |
| 4097990011 | MW-33 | EPA 8260 | HNW | 9 |
| 4097990012 | MW-5 | EPA 8260 | HNW | 9 |
| 4097990013 | MW-7 | EPA 8260 | HNW | 9 |
| 4097990014 | MW-11 | EPA 8260 | HNW | 9 |
| 4097990015 | M-1 | EPA 8260 | HNW | 9 |
| 4097990016 | RINSE BLANK | EPA 8260 | HNW | 9 |
| 4097990017 | TB | EPA 8260 | HNW | 9 |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 4097990

| Sample: MW-21 | | Lab ID: 4097990001 | Collected: 06/09/14 14:50 | Received: 06/13/14 09:33 | 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 | | 06/16/14 12:32 | 71-43-2 | |
| Ethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 06/16/14 12:32 | 100-41-4 | |
| Toluene | <1.0 ug/L | | 1.0 | 1 | | 06/16/14 12:32 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 06/16/14 12:32 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 06/16/14 12:32 | 108-67-8 | |
| Xylene (Total) | <3.0 ug/L | | 3.0 | 1 | | 06/16/14 12:32 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 110 % | | 70-130 | 1 | | 06/16/14 12:32 | 1868-53-7 | |
| Toluene-d8 (S) | 103 % | | 70-130 | 1 | | 06/16/14 12:32 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 92 % | | 59-130 | 1 | | 06/16/14 12:32 | 460-00-4 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 4097990

| Sample: MW-16 | | Lab ID: 4097990002 | Collected: 06/09/14 15:42 | Received: 06/13/14 09:33 | 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 | | 06/16/14 12:55 | 71-43-2 | |
| Ethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 06/16/14 12:55 | 100-41-4 | |
| Toluene | <1.0 ug/L | | 1.0 | 1 | | 06/16/14 12:55 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 06/16/14 12:55 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 06/16/14 12:55 | 108-67-8 | |
| Xylene (Total) | <3.0 ug/L | | 3.0 | 1 | | 06/16/14 12:55 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 115 % | | 70-130 | 1 | | 06/16/14 12:55 | 1868-53-7 | |
| Toluene-d8 (S) | 104 % | | 70-130 | 1 | | 06/16/14 12:55 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 92 % | | 59-130 | 1 | | 06/16/14 12:55 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 4097990

| Sample: MW-15 | | Lab ID: 4097990003 | Collected: 06/09/14 15:17 | Received: 06/13/14 09:33 | 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 | | 06/16/14 13:19 | 71-43-2 | |
| Ethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 06/16/14 13:19 | 100-41-4 | |
| Toluene | <1.0 ug/L | | 1.0 | 1 | | 06/16/14 13:19 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 06/16/14 13:19 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 06/16/14 13:19 | 108-67-8 | |
| Xylene (Total) | <3.0 ug/L | | 3.0 | 1 | | 06/16/14 13:19 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 111 % | | 70-130 | 1 | | 06/16/14 13:19 | 1868-53-7 | |
| Toluene-d8 (S) | 104 % | | 70-130 | 1 | | 06/16/14 13:19 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 91 % | | 59-130 | 1 | | 06/16/14 13:19 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 4097990

| Sample: MW-14 | | Lab ID: 4097990004 | Collected: 06/10/14 12:10 | Received: 06/13/14 09:33 | 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 | | 06/16/14 08:25 | 71-43-2 | |
| Ethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 06/16/14 08:25 | 100-41-4 | |
| Toluene | <1.0 ug/L | | 1.0 | 1 | | 06/16/14 08:25 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 06/16/14 08:25 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 06/16/14 08:25 | 108-67-8 | |
| Xylene (Total) | <3.0 ug/L | | 3.0 | 1 | | 06/16/14 08:25 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 114 % | | 70-130 | 1 | | 06/16/14 08:25 | 1868-53-7 | |
| Toluene-d8 (S) | 104 % | | 70-130 | 1 | | 06/16/14 08:25 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 89 % | | 59-130 | 1 | | 06/16/14 08:25 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 4097990

| Sample: MW-8 | | Lab ID: 4097990005 | | Collected: 06/10/14 14:12 | | Received: 06/13/14 09:33 | | 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 | | 06/16/14 10:35 | 71-43-2 | | |
| Ethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 06/16/14 10:35 | 100-41-4 | | |
| Toluene | <1.0 ug/L | | 1.0 | 1 | | 06/16/14 10:35 | 108-88-3 | | |
| 1,2,4-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 06/16/14 10:35 | 95-63-6 | | |
| 1,3,5-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 06/16/14 10:35 | 108-67-8 | | |
| Xylene (Total) | <3.0 ug/L | | 3.0 | 1 | | 06/16/14 10:35 | 1330-20-7 | | |
| Surrogates | | | | | | | | | |
| Dibromofluoromethane (S) | 120 % | | 70-130 | 1 | | 06/16/14 10:35 | 1868-53-7 | | |
| Toluene-d8 (S) | 104 % | | 70-130 | 1 | | 06/16/14 10:35 | 2037-26-5 | | |
| 4-Bromofluorobenzene (S) | 90 % | | 59-130 | 1 | | 06/16/14 10:35 | 460-00-4 | | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 4097990

| Sample: MW-7D | | Lab ID: 4097990006 | Collected: 06/10/14 10:50 | Received: 06/13/14 09:33 | 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 | | 06/16/14 13:42 | 71-43-2 | |
| Ethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 06/16/14 13:42 | 100-41-4 | |
| Toluene | <1.0 ug/L | | 1.0 | 1 | | 06/16/14 13:42 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 06/16/14 13:42 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 06/16/14 13:42 | 108-67-8 | |
| Xylene (Total) | <3.0 ug/L | | 3.0 | 1 | | 06/16/14 13:42 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 114 % | | 70-130 | 1 | | 06/16/14 13:42 | 1868-53-7 | |
| Toluene-d8 (S) | 103 % | | 70-130 | 1 | | 06/16/14 13:42 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 89 % | | 59-130 | 1 | | 06/16/14 13:42 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 4097990

| Sample: MW-6 | | Lab ID: 4097990007 | Collected: 06/09/14 16:05 | Received: 06/13/14 09:33 | Matrix: Water | | | |
|--------------------------|-----------|-----------------------------|---------------------------|--------------------------|---------------|----------------|-----------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 MSV UST | | Analytical Method: EPA 8260 | | | | | | |
| Benzene | 6.9 ug/L | | 1.0 | 1 | | 06/16/14 14:29 | 71-43-2 | |
| Ethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 06/16/14 14:29 | 100-41-4 | |
| Toluene | <1.0 ug/L | | 1.0 | 1 | | 06/16/14 14:29 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 06/16/14 14:29 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 06/16/14 14:29 | 108-67-8 | |
| Xylene (Total) | <3.0 ug/L | | 3.0 | 1 | | 06/16/14 14:29 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 114 % | | 70-130 | 1 | | 06/16/14 14:29 | 1868-53-7 | |
| Toluene-d8 (S) | 105 % | | 70-130 | 1 | | 06/16/14 14:29 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 92 % | | 59-130 | 1 | | 06/16/14 14:29 | 460-00-4 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 4097990

| Sample: MW-12 | | Lab ID: 4097990008 | Collected: 06/10/14 11:15 | Received: 06/13/14 09:33 | 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 | | 06/16/14 14:06 | 71-43-2 | |
| Ethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 06/16/14 14:06 | 100-41-4 | |
| Toluene | <1.0 ug/L | | 1.0 | 1 | | 06/16/14 14:06 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 06/16/14 14:06 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 06/16/14 14:06 | 108-67-8 | |
| Xylene (Total) | <3.0 ug/L | | 3.0 | 1 | | 06/16/14 14:06 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 116 % | | 70-130 | 1 | | 06/16/14 14:06 | 1868-53-7 | |
| Toluene-d8 (S) | 104 % | | 70-130 | 1 | | 06/16/14 14:06 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 90 % | | 59-130 | 1 | | 06/16/14 14:06 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 4097990

| Sample: MW-2 | | Lab ID: 4097990009 | Collected: 06/10/14 13:25 | Received: 06/13/14 09:33 | Matrix: Water | | | |
|--------------------------|---------|-----------------------------|---------------------------|--------------------------|---------------|----------------|-----------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 MSV UST | | Analytical Method: EPA 8260 | | | | | | |
| Benzene | <10.0 | ug/L | 10.0 | 10 | | 06/16/14 16:50 | 71-43-2 | |
| Ethylbenzene | 421 | ug/L | 10.0 | 10 | | 06/16/14 16:50 | 100-41-4 | |
| Toluene | 29.7 | ug/L | 10.0 | 10 | | 06/16/14 16:50 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | 250 | ug/L | 10.0 | 10 | | 06/16/14 16:50 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | 70.6 | ug/L | 10.0 | 10 | | 06/16/14 16:50 | 108-67-8 | |
| Xylene (Total) | 1970 | ug/L | 30.0 | 10 | | 06/16/14 16:50 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 108 | % | 70-130 | 10 | | 06/16/14 16:50 | 1868-53-7 | |
| Toluene-d8 (S) | 104 | % | 70-130 | 10 | | 06/16/14 16:50 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 97 | % | 59-130 | 10 | | 06/16/14 16:50 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 4097990

| Sample: MW-34 | | Lab ID: 4097990010 | Collected: 06/10/14 09:15 | Received: 06/13/14 09:33 | Matrix: Water | | | |
|--------------------------|---------|-----------------------------|---------------------------|--------------------------|---------------|----------------|-----------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 MSV UST | | Analytical Method: EPA 8260 | | | | | | |
| Benzene | 39.1 | ug/L | 1.0 | 1 | | 06/16/14 14:53 | 71-43-2 | |
| Ethylbenzene | 49.6 | ug/L | 1.0 | 1 | | 06/16/14 14:53 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 06/16/14 14:53 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | <1.0 | ug/L | 1.0 | 1 | | 06/16/14 14:53 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | 25.9 | ug/L | 1.0 | 1 | | 06/16/14 14:53 | 108-67-8 | |
| Xylene (Total) | <3.0 | ug/L | 3.0 | 1 | | 06/16/14 14:53 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 109 | % | 70-130 | 1 | | 06/16/14 14:53 | 1868-53-7 | |
| Toluene-d8 (S) | 105 | % | 70-130 | 1 | | 06/16/14 14:53 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 97 | % | 59-130 | 1 | | 06/16/14 14:53 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 4097990

| Sample: MW-33 | | Lab ID: 4097990011 | Collected: 06/10/14 09:50 | Received: 06/13/14 09:33 | Matrix: Water | | | |
|--------------------------|---------|-----------------------------|---------------------------|--------------------------|---------------|----------------|-----------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 MSV UST | | Analytical Method: EPA 8260 | | | | | | |
| Benzene | 31.3 | ug/L | 1.0 | 1 | | 06/16/14 15:16 | 71-43-2 | |
| Ethylbenzene | 73.9 | ug/L | 1.0 | 1 | | 06/16/14 15:16 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 06/16/14 15:16 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | 2.8 | ug/L | 1.0 | 1 | | 06/16/14 15:16 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | 32.1 | ug/L | 1.0 | 1 | | 06/16/14 15:16 | 108-67-8 | |
| Xylene (Total) | 5.4 | ug/L | 3.0 | 1 | | 06/16/14 15:16 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 105 | % | 70-130 | 1 | | 06/16/14 15:16 | 1868-53-7 | |
| Toluene-d8 (S) | 105 | % | 70-130 | 1 | | 06/16/14 15:16 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 96 | % | 59-130 | 1 | | 06/16/14 15:16 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 4097990

| Sample: MW-5 | | Lab ID: 4097990012 | Collected: 06/10/14 12:40 | Received: 06/13/14 09:33 | Matrix: Water | | | |
|--------------------------|---------|-----------------------------|---------------------------|--------------------------|---------------|----------------|-----------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 MSV UST | | Analytical Method: EPA 8260 | | | | | | |
| Benzene | 37.2 | ug/L | 1.0 | 1 | | 06/16/14 15:39 | 71-43-2 | |
| Ethylbenzene | 144 | ug/L | 1.0 | 1 | | 06/16/14 15:39 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 06/16/14 15:39 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | 46.9 | ug/L | 1.0 | 1 | | 06/16/14 15:39 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | 43.1 | ug/L | 1.0 | 1 | | 06/16/14 15:39 | 108-67-8 | |
| Xylene (Total) | 167 | ug/L | 3.0 | 1 | | 06/16/14 15:39 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 105 | % | 70-130 | 1 | | 06/16/14 15:39 | 1868-53-7 | |
| Toluene-d8 (S) | 105 | % | 70-130 | 1 | | 06/16/14 15:39 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 98 | % | 59-130 | 1 | | 06/16/14 15:39 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 4097990

| Sample: MW-7 | | Lab ID: 4097990013 | Collected: 06/10/14 11:15 | Received: 06/13/14 09:33 | 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 | 2.0 | 2 | | 06/17/14 07:00 | 71-43-2 | |
| Ethylbenzene | 5.5 | ug/L | 2.0 | 2 | | 06/17/14 07:00 | 100-41-4 | |
| Toluene | <2.0 | ug/L | 2.0 | 2 | | 06/17/14 07:00 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | 38.8 | ug/L | 2.0 | 2 | | 06/17/14 07:00 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | 17.4 | ug/L | 2.0 | 2 | | 06/17/14 07:00 | 108-67-8 | |
| Xylene (Total) | 41.9 | ug/L | 6.0 | 2 | | 06/17/14 07:00 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 110 | % | 70-130 | 2 | | 06/17/14 07:00 | 1868-53-7 | D3 |
| Toluene-d8 (S) | 102 | % | 70-130 | 2 | | 06/17/14 07:00 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 97 | % | 59-130 | 2 | | 06/17/14 07:00 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 4097990

| Sample: MW-11 | | Lab ID: 4097990014 | Collected: 06/10/14 13:55 | Received: 06/13/14 09:33 | Matrix: Water | | | |
|--------------------------|---------|-----------------------------|---------------------------|--------------------------|---------------|----------------|-----------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 MSV UST | | Analytical Method: EPA 8260 | | | | | | |
| Benzene | <10.0 | ug/L | 10.0 | 10 | | 06/16/14 17:13 | 71-43-2 | |
| Ethylbenzene | 358 | ug/L | 10.0 | 10 | | 06/16/14 17:13 | 100-41-4 | |
| Toluene | <10.0 | ug/L | 10.0 | 10 | | 06/16/14 17:13 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | 204 | ug/L | 10.0 | 10 | | 06/16/14 17:13 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | 51.8 | ug/L | 10.0 | 10 | | 06/16/14 17:13 | 108-67-8 | |
| Xylene (Total) | 2040 | ug/L | 30.0 | 10 | | 06/16/14 17:13 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 107 | % | 70-130 | 10 | | 06/16/14 17:13 | 1868-53-7 | |
| Toluene-d8 (S) | 105 | % | 70-130 | 10 | | 06/16/14 17:13 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 98 | % | 59-130 | 10 | | 06/16/14 17:13 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 4097990

| Sample: M-1 | | Lab ID: 4097990015 | Collected: 06/10/14 00:00 | Received: 06/13/14 09:33 | Matrix: Water | | | |
|--------------------------|-----------------------------|--------------------|---------------------------|--------------------------|---------------|----------------|-----------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 MSV UST | Analytical Method: EPA 8260 | | | | | | | |
| Benzene | 31.8 | ug/L | 1.0 | 1 | | 06/16/14 16:03 | 71-43-2 | |
| Ethylbenzene | 73.7 | ug/L | 1.0 | 1 | | 06/16/14 16:03 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 06/16/14 16:03 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | 3.7 | ug/L | 1.0 | 1 | | 06/16/14 16:03 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | 32.7 | ug/L | 1.0 | 1 | | 06/16/14 16:03 | 108-67-8 | |
| Xylene (Total) | 6.9 | ug/L | 3.0 | 1 | | 06/16/14 16:03 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 105 | % | 70-130 | 1 | | 06/16/14 16:03 | 1868-53-7 | |
| Toluene-d8 (S) | 105 | % | 70-130 | 1 | | 06/16/14 16:03 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 97 | % | 59-130 | 1 | | 06/16/14 16:03 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 4097990

| Sample: RINSE BLANK | | Lab ID: 4097990016 | Collected: 06/10/14 00:00 | Received: 06/13/14 09:33 | 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 | | 06/16/14 09:48 | 71-43-2 | |
| Ethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 06/16/14 09:48 | 100-41-4 | |
| Toluene | <1.0 ug/L | | 1.0 | 1 | | 06/16/14 09:48 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 06/16/14 09:48 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 06/16/14 09:48 | 108-67-8 | |
| Xylene (Total) | <3.0 ug/L | | 3.0 | 1 | | 06/16/14 09:48 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 115 % | | 70-130 | 1 | | 06/16/14 09:48 | 1868-53-7 | |
| Toluene-d8 (S) | 103 % | | 70-130 | 1 | | 06/16/14 09:48 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 89 % | | 59-130 | 1 | | 06/16/14 09:48 | 460-00-4 | |

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ANALYTICAL RESULTS

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 4097990

| Sample: TB | | Lab ID: 4097990017 | Collected: 06/10/14 00:00 | Received: 06/13/14 09:33 | 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 | | 06/16/14 10:11 | 71-43-2 | |
| Ethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 06/16/14 10:11 | 100-41-4 | |
| Toluene | <1.0 ug/L | | 1.0 | 1 | | 06/16/14 10:11 | 108-88-3 | |
| 1,2,4-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 06/16/14 10:11 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <1.0 ug/L | | 1.0 | 1 | | 06/16/14 10:11 | 108-67-8 | |
| Xylene (Total) | <3.0 ug/L | | 3.0 | 1 | | 06/16/14 10:11 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| Dibromofluoromethane (S) | 117 % | | 70-130 | 1 | | 06/16/14 10:11 | 1868-53-7 | |
| Toluene-d8 (S) | 104 % | | 70-130 | 1 | | 06/16/14 10:11 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 88 % | | 59-130 | 1 | | 06/16/14 10:11 | 460-00-4 | |

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 4097990

QC Batch: MSV/24611 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
 Associated Lab Samples: 4097990001, 4097990002, 4097990003, 4097990004, 4097990005, 4097990006, 4097990007, 4097990008,
 4097990009, 4097990010, 4097990011, 4097990012, 4097990013, 4097990014, 4097990015, 4097990016,
 4097990017

METHOD BLANK: 990802 Matrix: Water

Associated Lab Samples: 4097990001, 4097990002, 4097990003, 4097990004, 4097990005, 4097990006, 4097990007, 4097990008,
 4097990009, 4097990010, 4097990011, 4097990012, 4097990013, 4097990014, 4097990015, 4097990016,
 4097990017

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--------------------------|-------|--------------|-----------------|----------------|------------|
| 1,2,4-Trimethylbenzene | ug/L | <1.0 | 1.0 | 06/16/14 06:28 | |
| 1,3,5-Trimethylbenzene | ug/L | <1.0 | 1.0 | 06/16/14 06:28 | |
| Benzene | ug/L | <1.0 | 1.0 | 06/16/14 06:28 | |
| Ethylbenzene | ug/L | <1.0 | 1.0 | 06/16/14 06:28 | |
| Toluene | ug/L | <1.0 | 1.0 | 06/16/14 06:28 | |
| Xylene (Total) | ug/L | <3.0 | 3.0 | 06/16/14 06:28 | |
| 4-Bromofluorobenzene (S) | % | 90 | 59-130 | 06/16/14 06:28 | |
| Dibromofluoromethane (S) | % | 114 | 70-130 | 06/16/14 06:28 | |
| Toluene-d8 (S) | % | 102 | 70-130 | 06/16/14 06:28 | |

LABORATORY CONTROL SAMPLE & LCSD: 990803 990804

| Parameter | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
|--------------------------|-------|-------------|------------|-------------|-----------|------------|--------------|-----|---------|------------|
| Benzene | ug/L | 50 | 57.6 | 55.3 | 115 | 111 | 70-130 | 4 | 20 | |
| Ethylbenzene | ug/L | 50 | 56.8 | 55.8 | 114 | 112 | 70-130 | 2 | 20 | |
| Toluene | ug/L | 50 | 55.8 | 54.2 | 112 | 108 | 70-130 | 3 | 20 | |
| Xylene (Total) | ug/L | 150 | 169 | 165 | 113 | 110 | 70-130 | 3 | 20 | |
| 4-Bromofluorobenzene (S) | % | | | | 99 | 97 | 59-130 | | | |
| Dibromofluoromethane (S) | % | | | | 114 | 110 | 70-130 | | | |
| Toluene-d8 (S) | % | | | | 104 | 102 | 70-130 | | | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 990808 990809

| Parameter | Units | MS | | MSD | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|--------------------------|-------|-------------------|-------------|-------------|-----------|----------|-----------|--------------|--------|---------|------|
| | | 4097990004 Result | Spike Conc. | Spike Conc. | MS Result | | | | | | |
| Benzene | ug/L | <1.0 | 50 | 50 | 54.1 | 56.5 | 108 | 113 | 70-130 | 4 | 20 |
| Ethylbenzene | ug/L | <1.0 | 50 | 50 | 55.1 | 57.1 | 110 | 114 | 70-130 | 3 | 20 |
| Toluene | ug/L | <1.0 | 50 | 50 | 54.0 | 55.4 | 108 | 111 | 70-130 | 3 | 20 |
| Xylene (Total) | ug/L | <3.0 | 150 | 150 | 163 | 171 | 109 | 114 | 70-132 | 5 | 20 |
| 4-Bromofluorobenzene (S) | % | | | | | | 98 | 97 | 59-130 | | |
| Dibromofluoromethane (S) | % | | | | | | 112 | 112 | 70-130 | | |
| Toluene-d8 (S) | % | | | | | | 103 | 103 | 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: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 4097990

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

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 (8270 listed analyte) decomposes to Azobenzene.

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.

LOD - Limit of Detection.

LOQ - Limit of Quantitation.

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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: ENBRIDGE MP85 Exland49/55-0029

Pace Project No.: 4097990

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|------------|-------------|-----------------|-----------|-------------------|------------------|
| 4097990001 | MW-21 | EPA 8260 | MSV/24611 | | |
| 4097990002 | MW-16 | EPA 8260 | MSV/24611 | | |
| 4097990003 | MW-15 | EPA 8260 | MSV/24611 | | |
| 4097990004 | MW-14 | EPA 8260 | MSV/24611 | | |
| 4097990005 | MW-8 | EPA 8260 | MSV/24611 | | |
| 4097990006 | MW-7D | EPA 8260 | MSV/24611 | | |
| 4097990007 | MW-6 | EPA 8260 | MSV/24611 | | |
| 4097990008 | MW-12 | EPA 8260 | MSV/24611 | | |
| 4097990009 | MW-2 | EPA 8260 | MSV/24611 | | |
| 4097990010 | MW-34 | EPA 8260 | MSV/24611 | | |
| 4097990011 | MW-33 | EPA 8260 | MSV/24611 | | |
| 4097990012 | MW-5 | EPA 8260 | MSV/24611 | | |
| 4097990013 | MW-7 | EPA 8260 | MSV/24611 | | |
| 4097990014 | MW-11 | EPA 8260 | MSV/24611 | | |
| 4097990015 | M-1 | EPA 8260 | MSV/24611 | | |
| 4097990016 | RINSE BLANK | EPA 8260 | MSV/24611 | | |
| 4097990017 | TB | EPA 8260 | MSV/24611 | | |

REPORT OF LABORATORY ANALYSIS

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Chain of Custody
 4700 West 77th Street
BARR Minneapolis, MN 55435-4803
 (952) 832-2600

Project Number: 44155-0029 00Y 2014 001
 Project Name: Enbridge MP-85 Exland WI
 Sample Origination State WI (use two letter postal state abbreviation)
 COC Number: **№ 32204**

| Number of Containers/Preservative | | | | | | | | | | | | | | COC <u>2</u> of <u>2</u> | Project Manager: <u>Jon Aspiz</u> | Project QC Contact: _____ | Total Number Of Containers |
|-----------------------------------|-----------------------|--------------------------------------|----------------------------------|--------------------------|-----------------------------|--|----------------------|---------------------------|-------------------------|----------------------|------------------------|----------------------------------|--|--------------------------|-----------------------------------|---------------------------|----------------------------|
| Water | | | | | | | Soil | | | | | | | | | | |
| VOCs (HCl) #1 | VOCs (unpreserved) #2 | Dissolved Metals (HNO ₃) | Total Metals (HNO ₃) | General (unpreserved) #3 | Diesel Range Organics (HCl) | Nutrients (H ₂ SO ₄) #4 | VOCs (tared MeOH) #1 | GRO, BTEX (tared MeOH) #1 | DRO (tared unpreserved) | Metals (unpreserved) | SVOCS (unpreserved) #2 | % Solids (plastic vial, unpres.) | | | | | |
| | | | | | | | | | | | | | | | | | |
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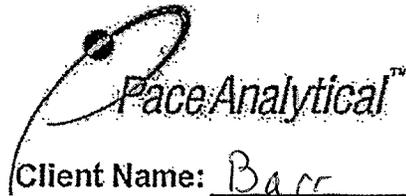
| Location | Start Depth | Stop Depth | Depth Unit (m./ft. or in.) | Collection Date (mm/dd/yyyy) | Collection Time (hh:mm) | Matrix | | Type | |
|-------------------|-------------|------------|----------------------------|------------------------------|-------------------------|--------|------|------|----------|
| | | | | | | Water | Soil | Grab | Comp. QC |
| 1. MW-33 011 | | | | 6-10-14 | 9:50 | X | | | X |
| 2. MW-5 012 | | | | 6-10-14 | 12:40 | X | | | X |
| 3. MW-7 013 | | | | 6-10-14 | 11:15 | X | | | X |
| 4. MW-11 014 | | | | 6-10-14 | 13:55 pm | X | | | X |
| 5. M-1 015 | | | | 6-10-14 | AM | X | | | X |
| 6. Risk Blank 016 | | | | 6-10-14 | AM | X | | | X |
| 7. *TB 017 | | | | | | | | | |
| 8. | | | | | | | | | |
| 9. | | | | | | | | | |
| 10. | | | | | | | | | |

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

| | | | | | | |
|--|---|----------------------|----------------------|---------------------------------|----------------------|-------------------|
| Relinquished By: <u>Walter</u> | On Ice? <input checked="" type="checkbox"/> N | Date: <u>6/12/14</u> | Time: <u>8:30 AM</u> | Received by: _____ | Date: _____ | Time: _____ |
| Relinquished By: <u>Walter</u> | On Ice? <input checked="" type="checkbox"/> N | Date: <u>6/13/14</u> | Time: <u>0830</u> | Received by: <u>[Signature]</u> | Date: <u>6/13/14</u> | Time: <u>0830</u> |
| Samples Shipped VIA: <input type="checkbox"/> Air Freight <input type="checkbox"/> Federal Express <input type="checkbox"/> Sampler <input checked="" type="checkbox"/> Other: <u>Walter</u> | | | | Air Bill Number: _____ | | |

*TB added by lab 6-13-14 KB

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator



Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite
Green Bay, WI 5430

Project #: **WO# : 4097990**

Client Name: Barr

Courier: Fed Ex UPS Client Pace Other: Waltco
Tracking #: 574042



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: ROS / Corr: ROS Biological Tissue is Frozen: yes

Temp Blank Present: yes no no

Person examining contents:
Date: 6-13-14
Initials: KB

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 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 type="checkbox"/> Yes <input checked="" 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 type="checkbox"/> N/A | 11. |
| Sample Labels match COC: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 12. No time on 001, 002, 003, 6002 |
| -Includes date/time/ID/Analysis Matrix: | <u>W</u> | 6-13-14 |
| 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 |
| Headspace in VOA Vials (>6mm): | <u>6-13-14 KB</u> <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 14. 1-40ml for 003 + 1-40ml for 014 6-13-14 KB |
| 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>323</u> | |

Client Notification/ Resolution: _____ If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: 013 has free product, in free product fridge 6-13-14 KB

Project Manager Review: MAT for DM Date: 6-13-14