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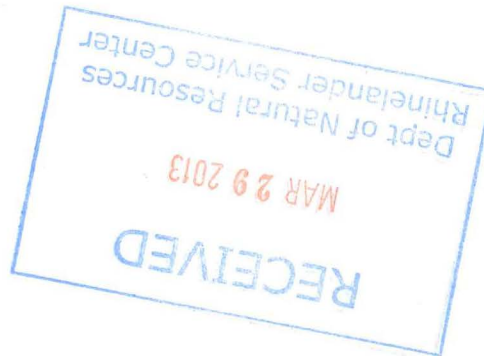
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March 26, 2013

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



Re: Enbridge Energy, Limited Partnership
Enbridge Line 14, Milepost 85 Leaksite
Rusk County, Wisconsin
WDNR BRRTS# 02-55-548746

Dear Ms. Stoltz:

Please find the enclosed *Annual Operation and Monitoring Report – 2012* prepared by Barr Engineering for the above referenced site.

The SVE/AS systems at the Site were in operation for the majority of 2012. We are currently evaluating another system shutdown and we will be submitting a System Shutdown Work Plan in Q2 2013.

If you have any questions regarding this report or the project in general, please do not hesitate to contact me at (715) 398-4754.

Sincerely,
Enbridge Energy LP

Karl F. Beaster, P.G.
Environmental Analyst

Enclosure

cc: Jon Aspie; Barr Engineering

***Annual Operation and Monitoring Report
2012***

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

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

March 2013



***Annual Operation and Monitoring Report
2012***

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

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

March 2013



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Annual Operation and Monitoring Report 2012

Line 14, MP 85 Crude Oil Release Rusk County, Wisconsin March 2013

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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 2012
WDNR BRRTS # 02-55-548746
Date: March 15, 2013
Project: 49550029.04
c: Hans Wronka

This Technical Memorandum presents a discussion of remediation progress and system operation at the Enbridge MP-85, Exeland, Wisconsin leaksite (Site). Attached are Wisconsin Department of Natural Resources (WDNR) Forms 4400-194, along with 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 mostly continuously 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 weeks. A longer planned shutdown of the system was started on August 15, 2011 to evaluate the dynamics of the dissolved phase plume in groundwater when the system was not operational. The AS/SVE system was restarted on January 8, 2012 and operated mostly continually during 2012, until a planned short term system shut down on November 12, 2012 to accommodate a request of the property owner. The system was restarted on December 4, 2012 and is currently in operation.

The SVE system was operated using 12 extraction points – SVE points SVE-1 through SVE-10, RW-1, and RW-3. Monitoring wells MW-7 and MW-33 have also been connected to the SVE system and were used as SVE extraction points during part of the second quarter of 2012. Vapor extraction at MW-7 and MW-33 was discontinued on May 22, 2012, as field screening indicated that minimal extraction of petroleum compounds was occurring from those points (and SVE operation can affect monitoring data from the wells). 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 has been manually adjusted during site visits. During 2012, 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 supplemental air sparge 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.

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 as these wells are used as SVE points. Water and product levels are measured in the other mentioned wells at two-week intervals.

During 2012, product was not observed in RW-1 or RW-2. A trace amount of product was observed in RW-3 in March and June of 2012 at a thickness of less than 0.01 feet, and 0.01 feet, respectively. Water levels in RW-1, RW-2, and RW-3 were approximately 0.5 to 1 foot higher in December 2012 than when product was last observed in those wells at a measurable thickness.

A trace amount of product was observed in MW-11 in March 2012 at a thickness less than 0.01 feet, but was not observed in MW-11 at any other time during 2012. Product was observed in MW-7 in February 2012, and July through December 2012 at a thickness ranging from less than 0.01 feet to 0.04 feet. Product was only observed during periods when the lowest water levels were measured in 2012. Water elevation, product elevation and product thickness for MW-7 are shown on Chart 4. During 2012, when water levels in MW-7 periodically declined to elevations where product has historically been observed, product was observed in the well, but, not when water levels rose above those elevations.

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 2012.

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 have declined since startup, but have been relatively stable within the range of approximately 20 to 130 parts per million (ppm) from September 2010 through December 2012 (Chart 2, Table 6). In general, TPH concentrations declined rapidly 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 through September 2010 to the currently observed levels.

Total VOC emissions ranged from less than 0.1 pounds per hour to 0.17 pounds per hour during 2012. Benzene concentrations in the SVE emissions remained just above detection limits during 2012. Total benzene discharged from the system during 2012 was approximately 0.3 pounds. Therefore, emissions stayed well below regulatory levels for total VOC emission rates and total benzene mass in 2012.

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).

Carbon dioxide concentrations in the SVE emissions were high and oxygen levels were low when the system was restarted in January 2012 after a 5 month shut down period starting in August 2011 (Table 5) and returned to levels consistent with previous long term operation by the time measurements were taken two weeks later. Similar trends have been observed during shorter system shut down periods, however, the concentrations of carbon dioxide were not as high, or oxygen levels as low, as during the longer shut down. For example, on January 10, 2012 when the system was restarted after a 5 month shutdown, the oxygen level was 12.5% and carbon dioxide was 5.1% compared to the system restart on December 4, 2012 after a 3 week shut down when the oxygen level was 17.4% and carbon dioxide was 1.8%. During long term operation, oxygen is commonly at 19.5 to 20% and carbon dioxide is at 0.7 to 1.1%. This does indicate that air exchange in the subsurface via operation of the system is providing effective treatment of residual petroleum by delivering oxygen to enhance bioremediation, although direct removal of hydrocarbon mass has declined based on reduced VOC concentrations in SVE emissions.

The mass of VOCs removed by SVE through stack emissions in 2012 was approximately 1,166 pounds (equivalent to approximately 2 barrels in volume) (Chart 3, Table 7). The mass of VOCs removed through biodegradation during 2012 was approximately 41,500 pounds (equivalent to approximately 142 barrels in volume). These volumes are less than previous years.

Trends in Groundwater Quality

Water samples were collected quarterly from select monitoring wells in 2012. Dissolved phase hydrocarbon concentrations declined or remained relatively stable at all monitoring wells sampled relative to the concentrations observed in 2011 (Table 1, Chart 1 and 1a). Benzene was not detected in samples collected in 2012 from wells MW-15, MW-21 and MW-27 where low concentrations of benzene (less than enforcement standards) were detected on occasion in 2011.

Benzene isoconcentration maps are presented for each of the quarterly sample rounds in 2012 as Figures 3a-d. The aerial extent of the dissolved phase plume is very similar for each of the four events in 2012 and had receded slightly from the extent observed in November and December of 2011 when low concentrations benzene were detected at MW-15. However, the extent is 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).

To: Karl Beaster, Enbridge Energy
From: Jon Aspie, P.G.
Subject: MP85 System O&M and Groundwater Monitoring Annual Report 2012
Date: March 15, 2013
Page: 5

Recommended System Operation

System O&M and groundwater monitoring site visits will be conducted on a monthly basis while the system is operated. Due to the low VOC concentrations in the SVE emissions, SVE points with low VOC emissions based on field screening will be closed in an attempt to concentrate remediation efforts in higher concentration areas. Analytical groundwater samples will be collected quarterly from select wells as part of remediation system monitoring.

Also, it appears that the system can be turned off, at least periodically, based on the low SVE emissions. Groundwater monitoring results from past system shut down periods indicate that no rapid expansion of the dissolved phase plume is expected to occur due to system shut down. Continued groundwater monitoring will provide data to determine plume dynamics when the system is off.

If product reappears in wells, the system could be started to remediate product in the effective treatment area of the system. Otherwise it appears that turning off the system and conducting quarterly monitoring would be feasible at this time. Periodic, short-term operation of the system may be then conducted based on the monitoring results and/or the presence of free product in wells.

A system shut down and monitoring plan will be submitted as a separate document.

II. WI DNR Form 4400-194

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

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

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

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

A. GENERAL INFORMATION:

1. Site name: Enbridge Energy, Limited Partnership, Line 14, MP-85 Crude Oil Release Site
2. Reporting period from: 01/01/11 To 12/31/11 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: 332 W Superior St, Suite 600, 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): 120 feet/day
12. Average linear velocity of groundwater (ft/yr): 0.4 to 0.8 feet/day

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: 01/01/12 To: 12/31/12 Days in period: 366

A. GENERAL INFORMATION (CONTINUED):

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

a. DNR region and county: _____

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

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

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

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

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

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

2. Are modifications to the system warranted to improve effectiveness? (Y/N) If yes, explain: N

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: 01/01/12 To: 12/31/12 Days in period: 366

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) _____, 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.

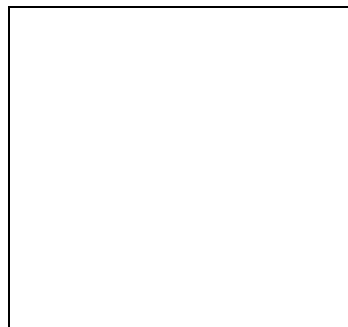
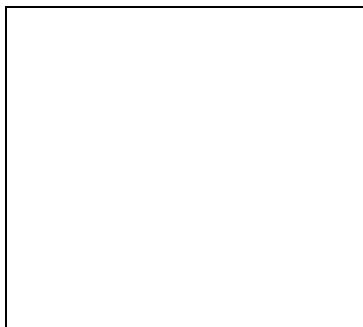
Signature, title and date: _____

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:



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: 01/01/12 To: 12/31/12 Days in period: 366

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 Aspici, 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.

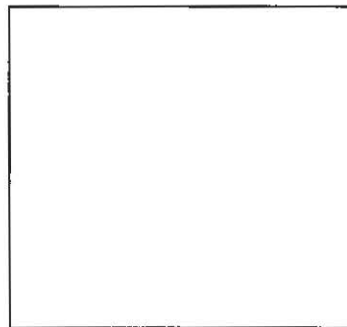
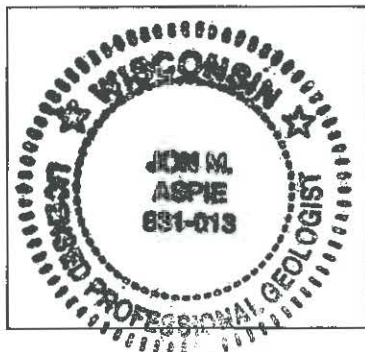
Signature, title and date: Jon M Aspici, P.G., Hydrogeologist, 03/15/2013

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: 01/01/12 To: 12/31/12 Days in period: 366

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 7 sparge points operating in conjunction with source area SVE system. The seven source area sparge points were operated continually or on a planned rotation based on field screening and analytical data during 2012, except: the AS system was down for approximately 8 days at the beginning of January as part of a planned shutdown; approximately 18 days in July for maintenance/repair; and approximately 22 days in November/December as part of a planned shutdown. The supplemental sparge system was not operated during 2012. 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 is 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: 318 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: 87%.

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: 230 $\mu\text{g/L}$ at MW-5 on March 26, 2012, during this reporting period (samples were not collected from wells with free product).

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): Stabilized, concentrations within the plume were declining in 2012

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: 01/01/12 To: 12/31/12 Days in period: 366

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. Vapor extraction was conducted at MW-7 and MW-33 in 2012 from April 10 to May 22 as piping is above ground and freezes in the winter. The points were closed based on field screening readings indicating that hydrocarbon recovery was not enhanced with the points open and SVE operation hindered groundwater monitoring in the monitoring wells.
2. Number of days of operation (only list the number of days the system actually operated, if unknown explain): 336
3. System utilization in percent (days of operation divided by reporting time period multiplied by 100). If less than 80%, explain: 92% based on system timer. The system was operated on a continual basis to the extent possible, except the system was down for approximately 8 days at the beginning of January as part of a planned shutdown; and approximately 22 days in November/December as part of a planned shutdown.
4. Average depth to groundwater: 35 feet (in the area of the SVE system)

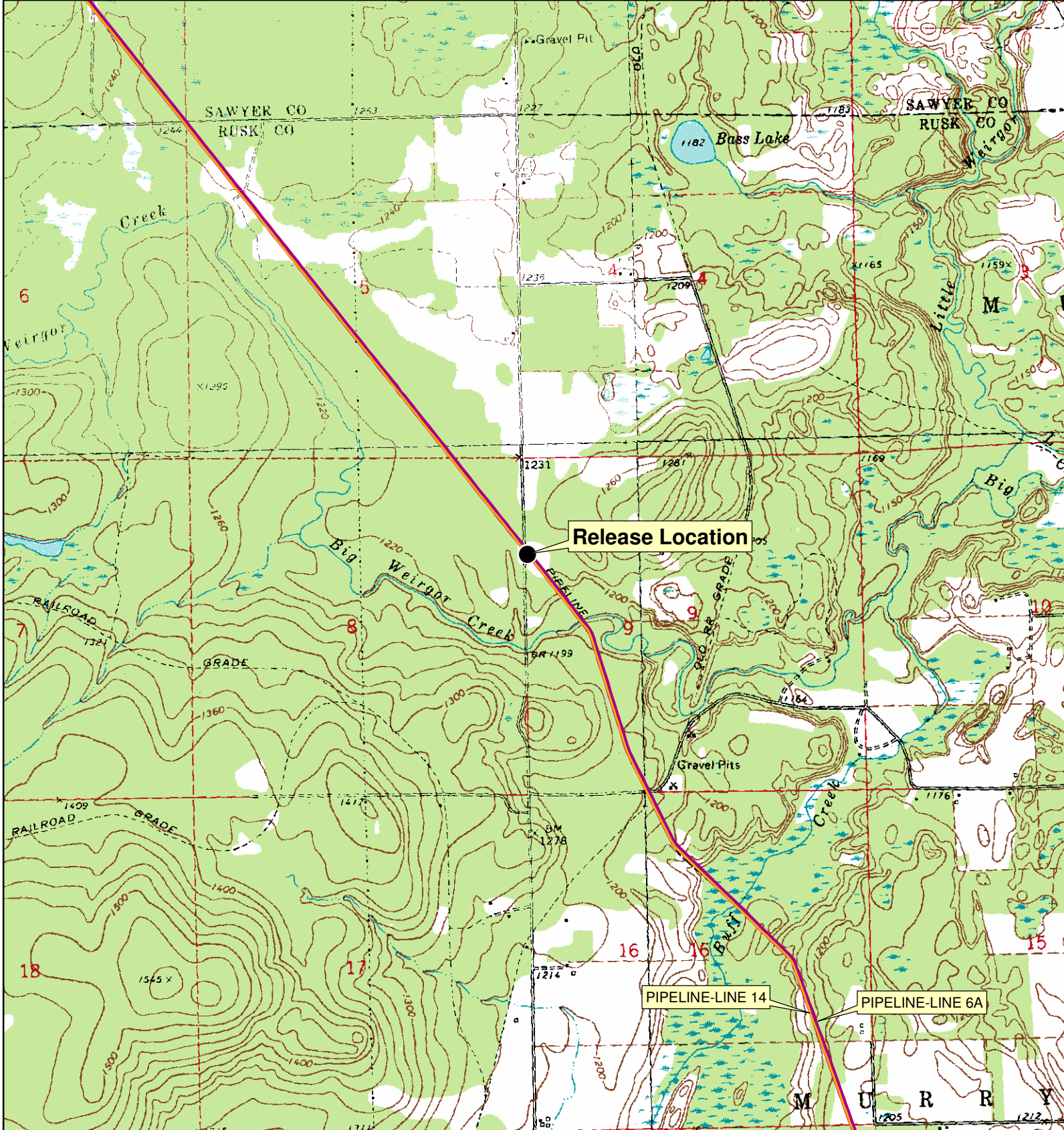
B. EFFECTIVENESS EVALUATION: [START HERE]

1. Average contaminant removal rate for the entire system (pounds per day): Direct removal via SVE emissions averaged approximately 2.2 pounds per day during the operational period of January 10 to December 31, plus an additional average removal of approximately 124 pounds per day due to biodegradation
2. Average contaminant removal rate per well (pounds per day): 0.18 pounds per day per SVE well by direct removal, plus an additional 10.3 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): 14 to 20%
Methane levels in extracted air (ppm_v): N/A 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

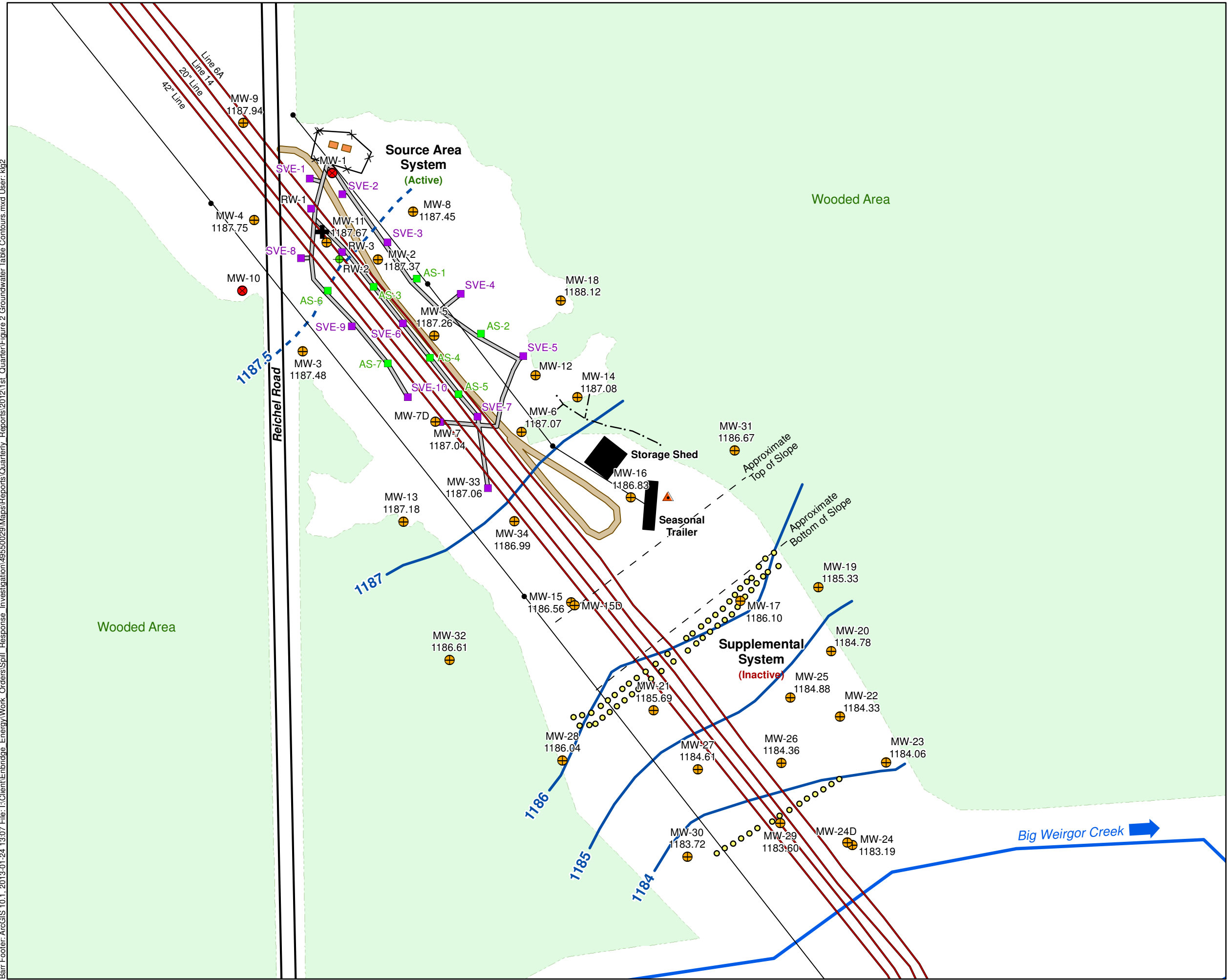
WISCONSIN



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



- Groundwater Table Contours
Dashed at Intervals Less Than 1 Foot
- + 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

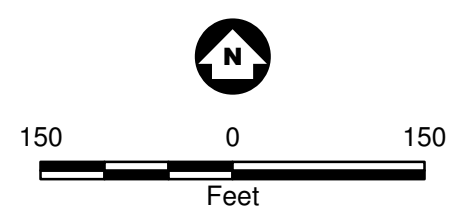
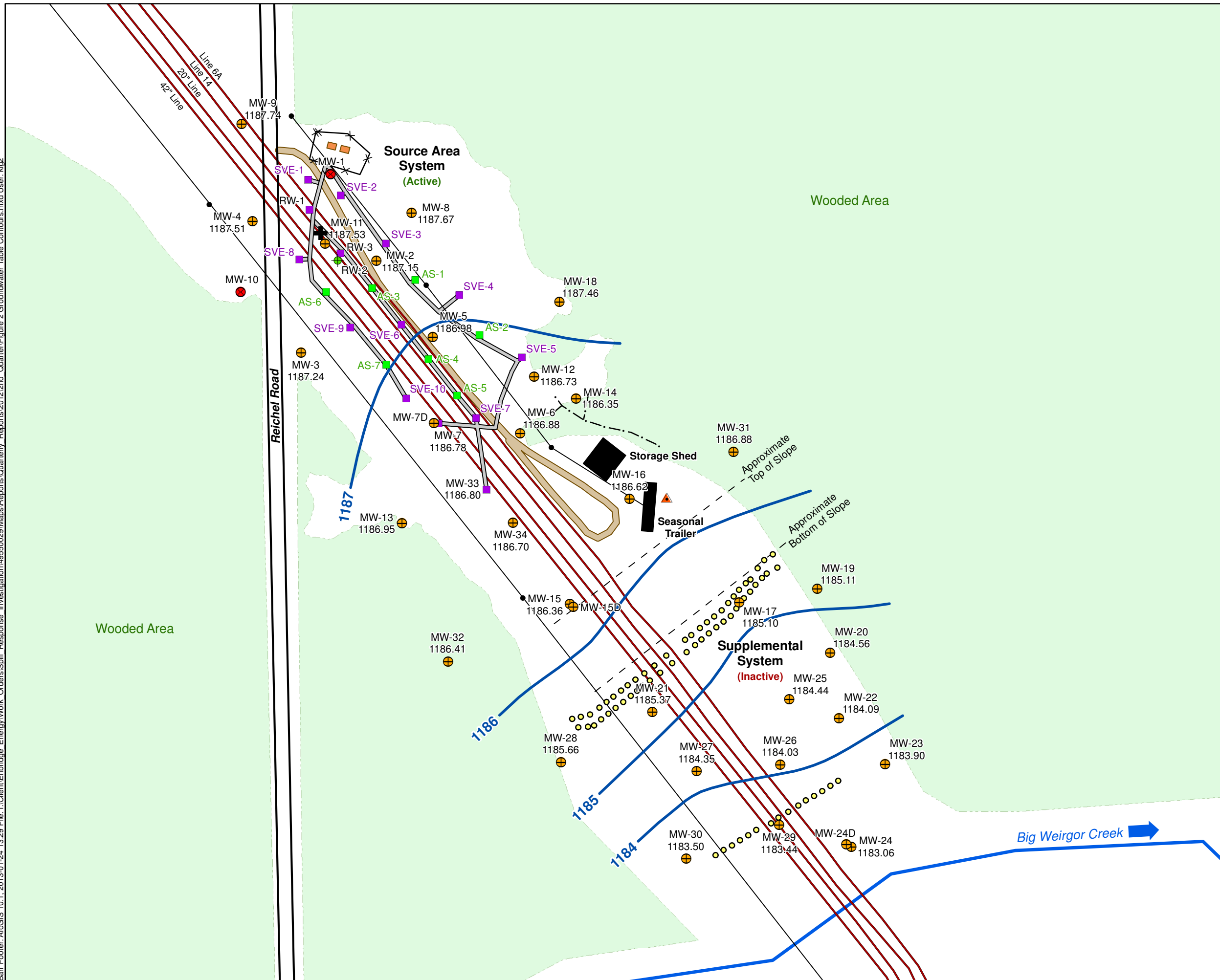


Figure 2a

GROUNDWATER TABLE CONTOURS
 March 26, 2012
 Enbridge Energy, Limited Partnership
 Line 14, MP 85 Crude Oil Release Site
 Rusk County, Wisconsin

Barr Footer: ArcGIS 10.1. 2013-01-24 13:29 File: I:\Client\Enbridge_Energy\Work_Orders\Spill_Response_Investigation\49550029\Maps\Reports\Quarterly_Reports\2012\2nd_Quarter\Figure 2 Groundwater Table Contours.mxd User: klg



- Groundwater Table Contours
 - 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

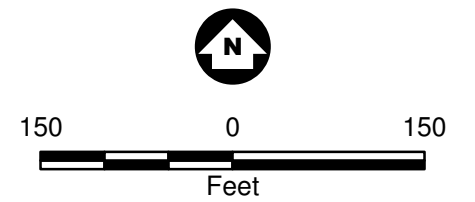
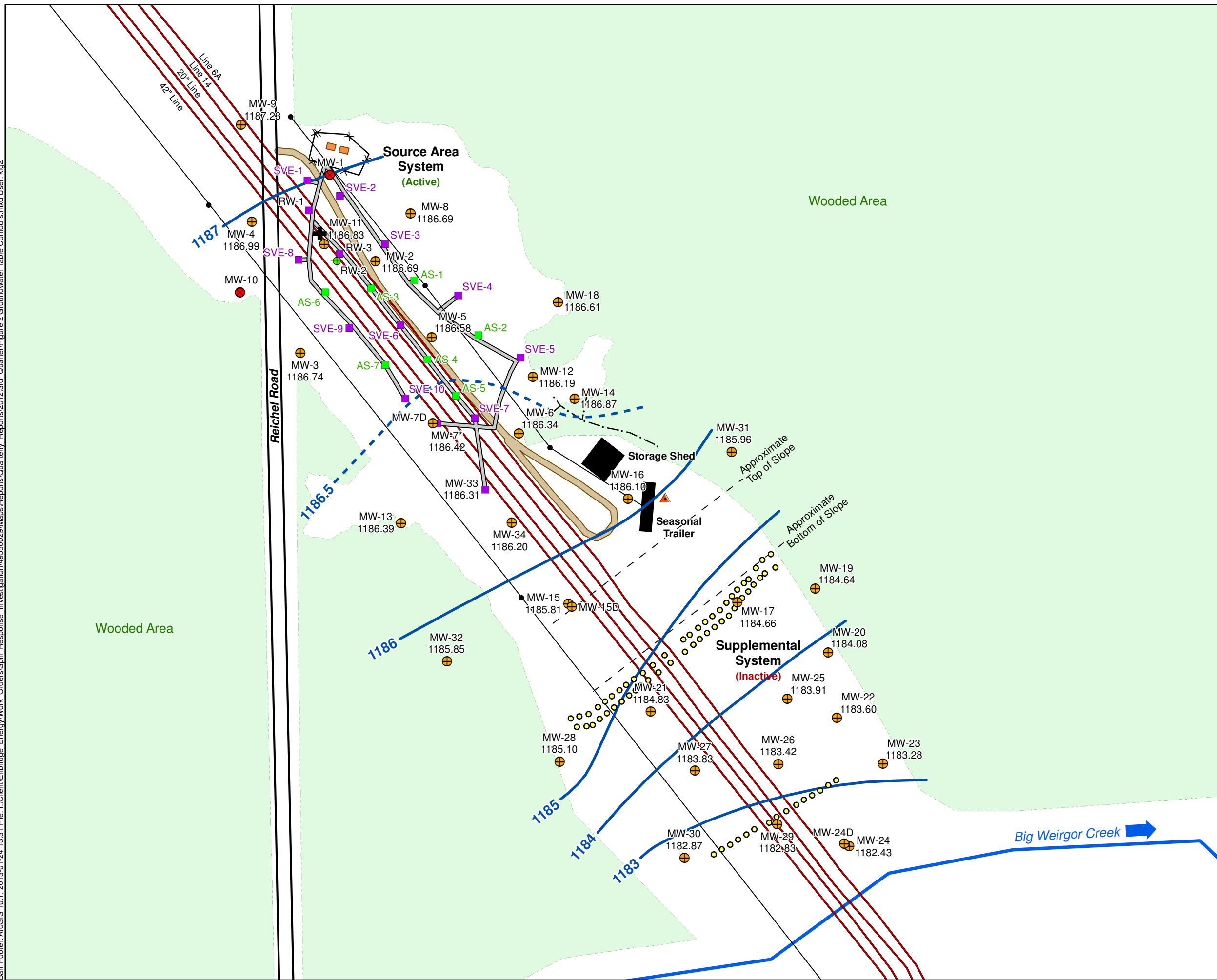


Figure 2b
GROUNDWATER TABLE CONTOURS
 June 19, 2012
 Enbridge Energy, Limited Partnership
 Line 14, MP 85 Crude Oil Release Site
 Rusk County, Wisconsin



- Groundwater Table Contours
Dashed at Intervals Less Than 1 Foot
- + 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

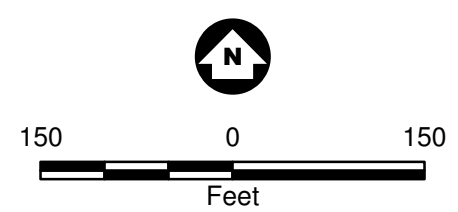
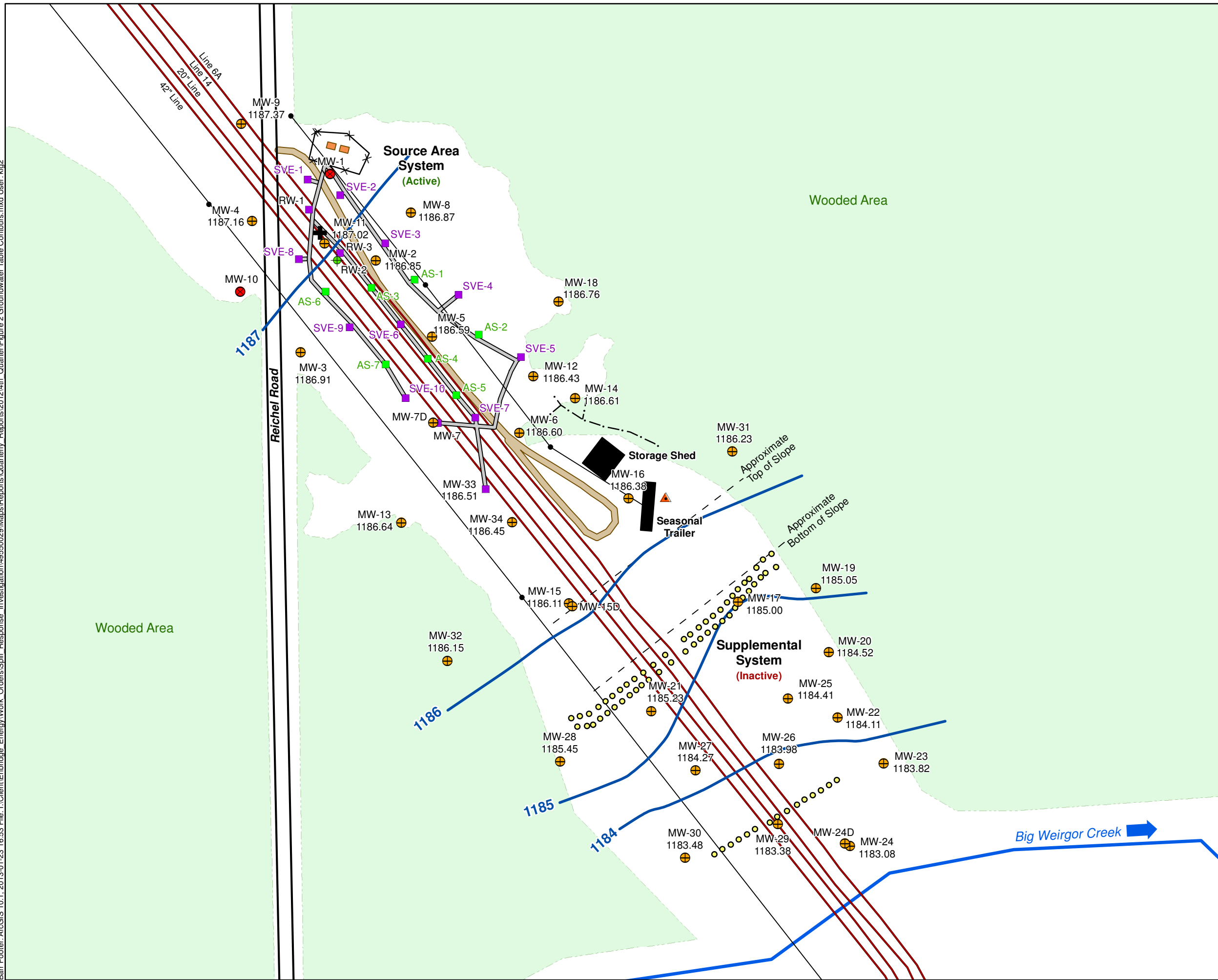


Figure 2c
GROUNDWATER TABLE CONTOURS
 September 26, 2012
 Enbridge Energy, Limited Partnership
 Line 14, MP 85 Crude Oil Release Site
 Rusk County, Wisconsin



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

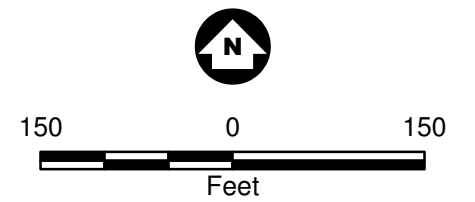
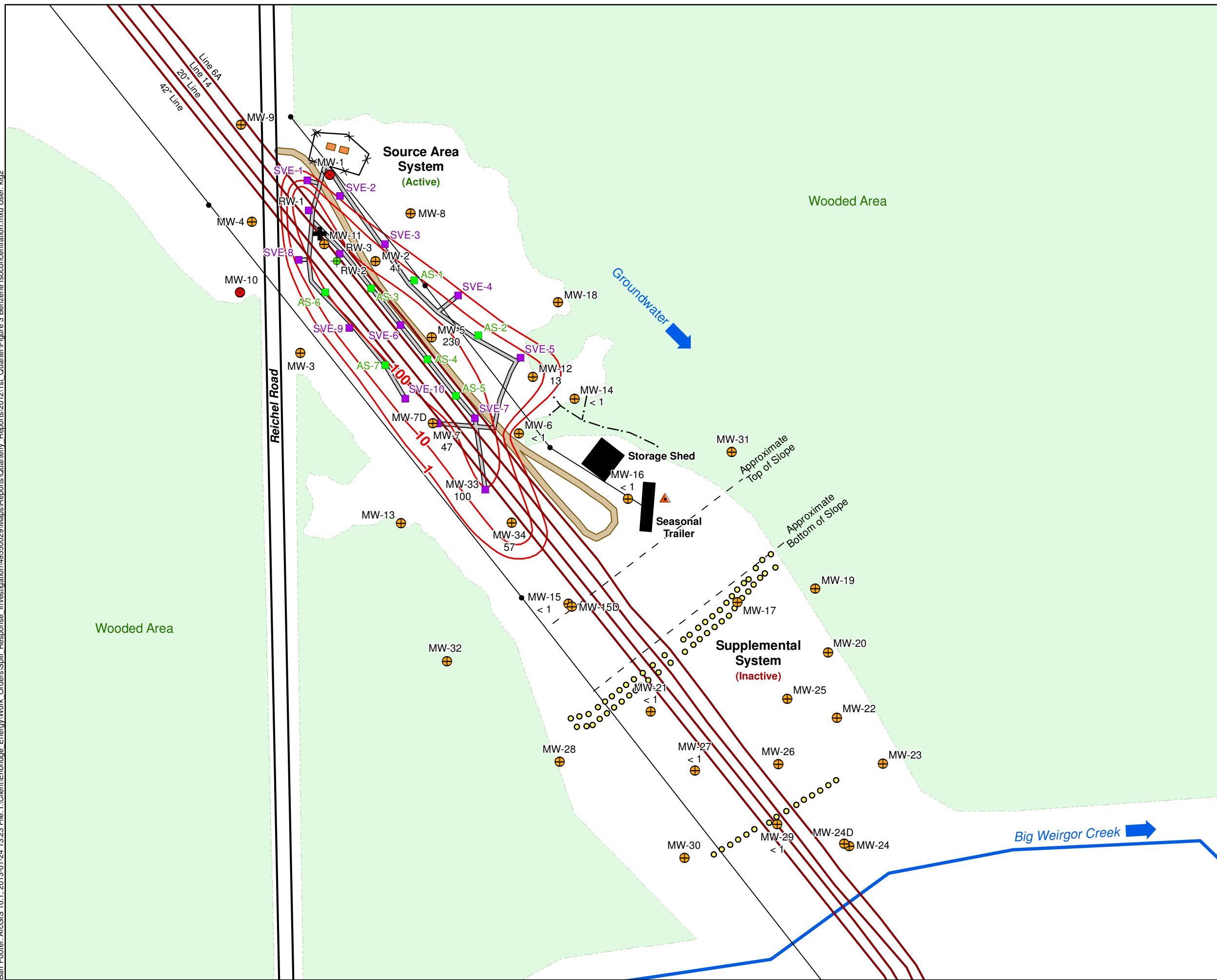


Figure 2
GROUNDWATER TABLE CONTOURS
 December 17, 2012
 Enbridge Energy, Limited Partnership
 Line 14, MP 85 Crude Oil Release Site
 Rusk County, Wisconsin



- 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)

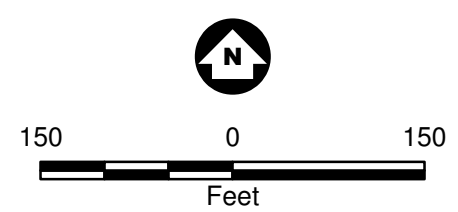
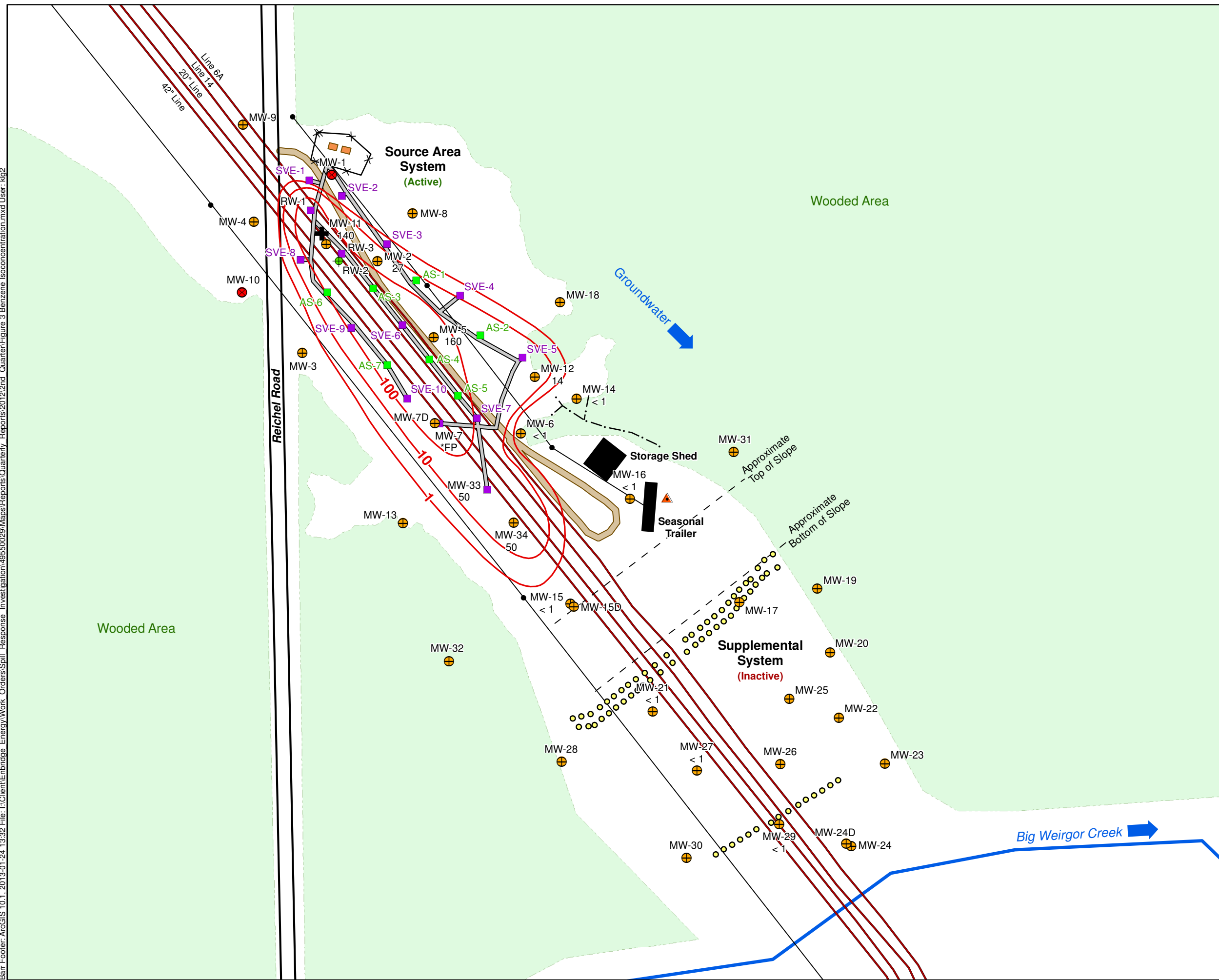


Figure 3a
BENZENE ISOCONCENTRATION
 March 26 - 27, 2012
 Enbridge Energy, Limited Partnership
 Line 14, MP 85 Crude Oil Release Site
 Rusk County, Wisconsin



- 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

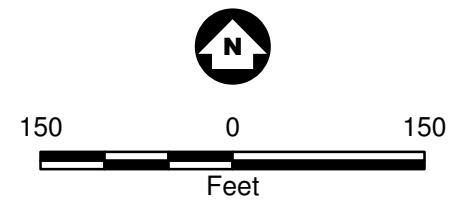
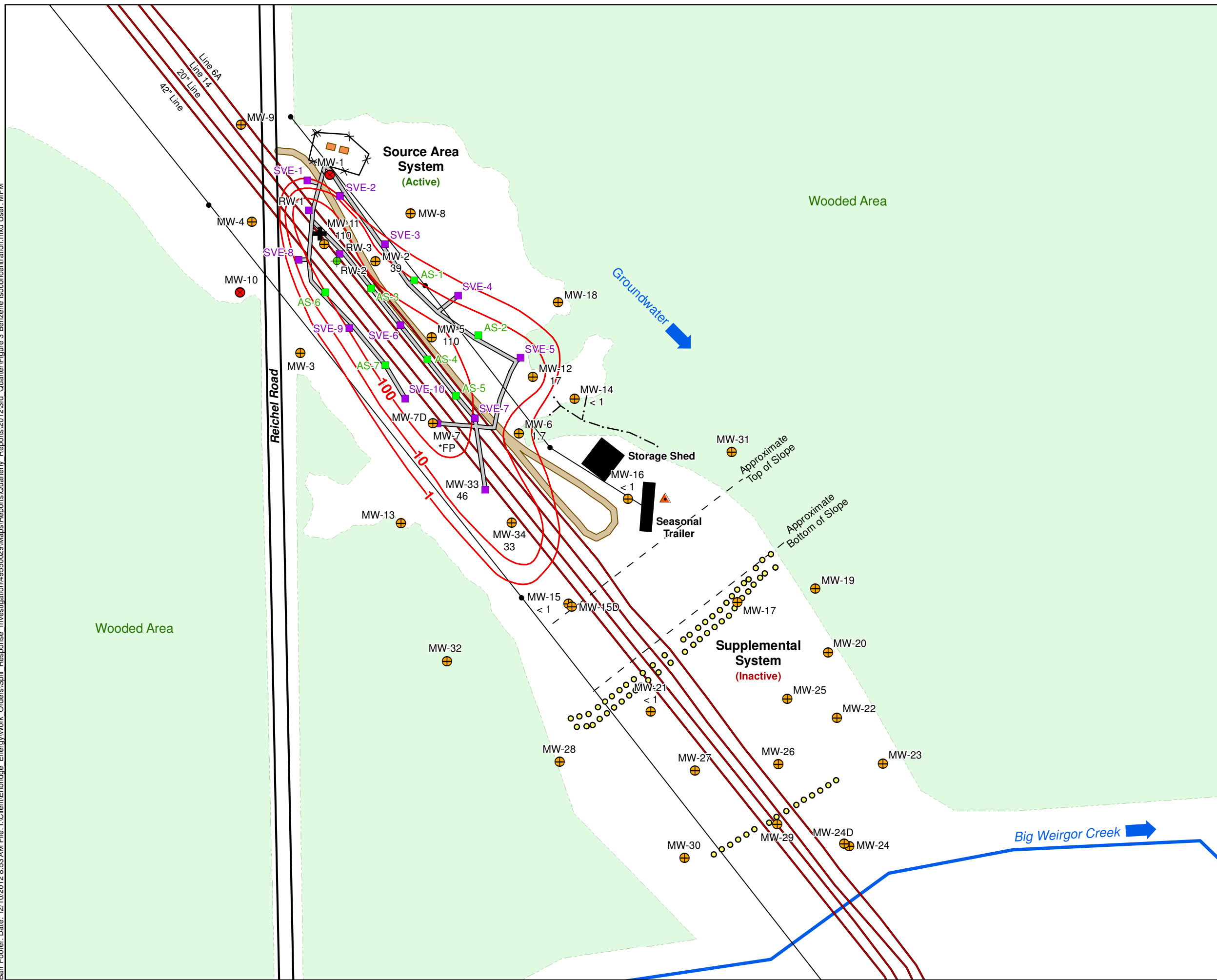


Figure 3b

BENZENE ISOCONCENTRATION
 July 17, 2012
 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

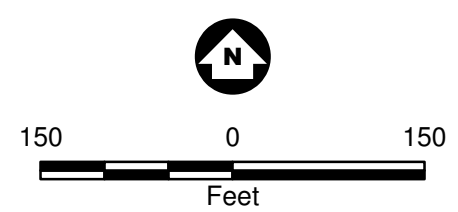
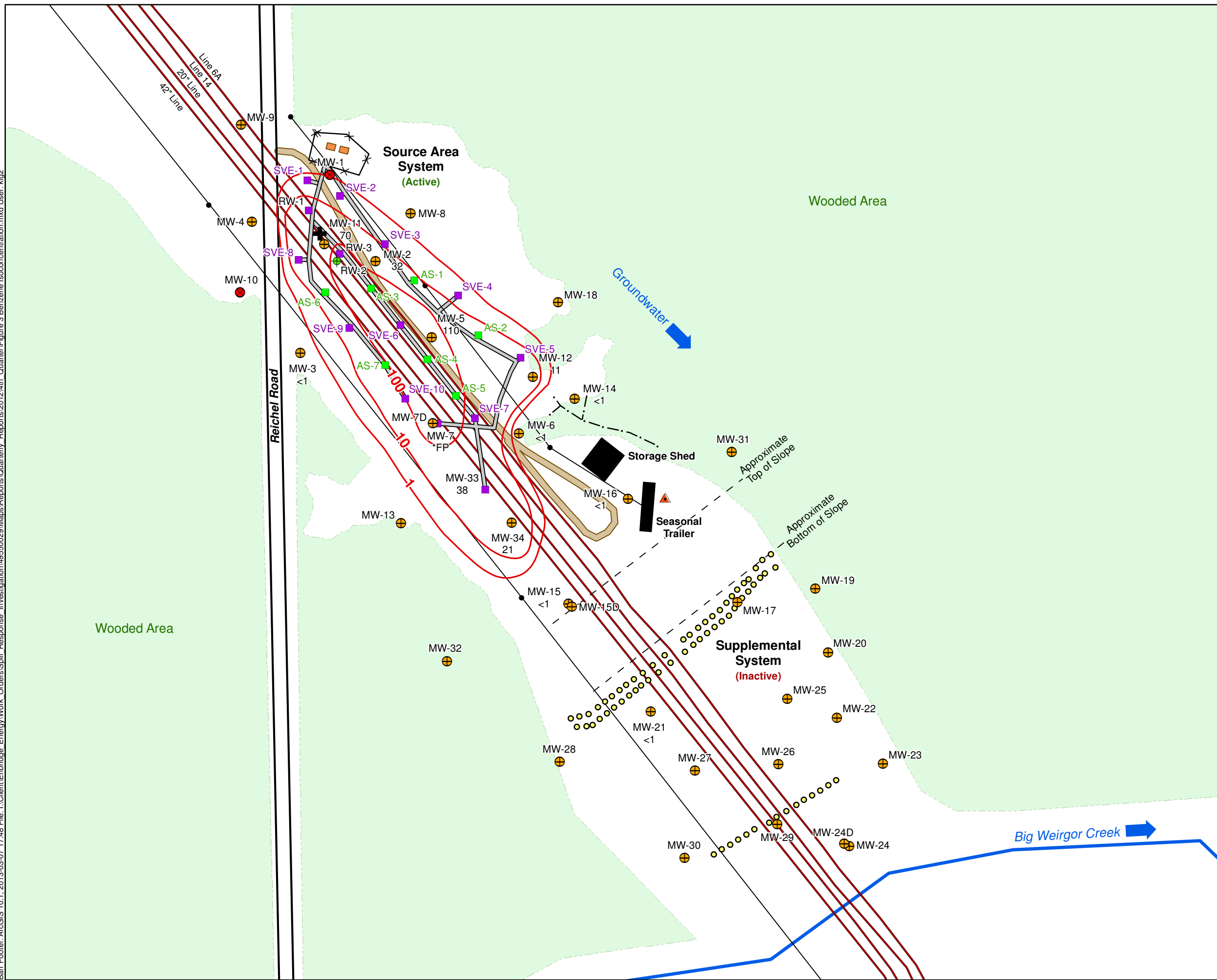


Figure 3c

BENZENE ISOCONCENTRATION
 September 26, 2012
 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

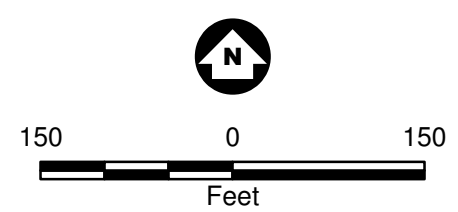
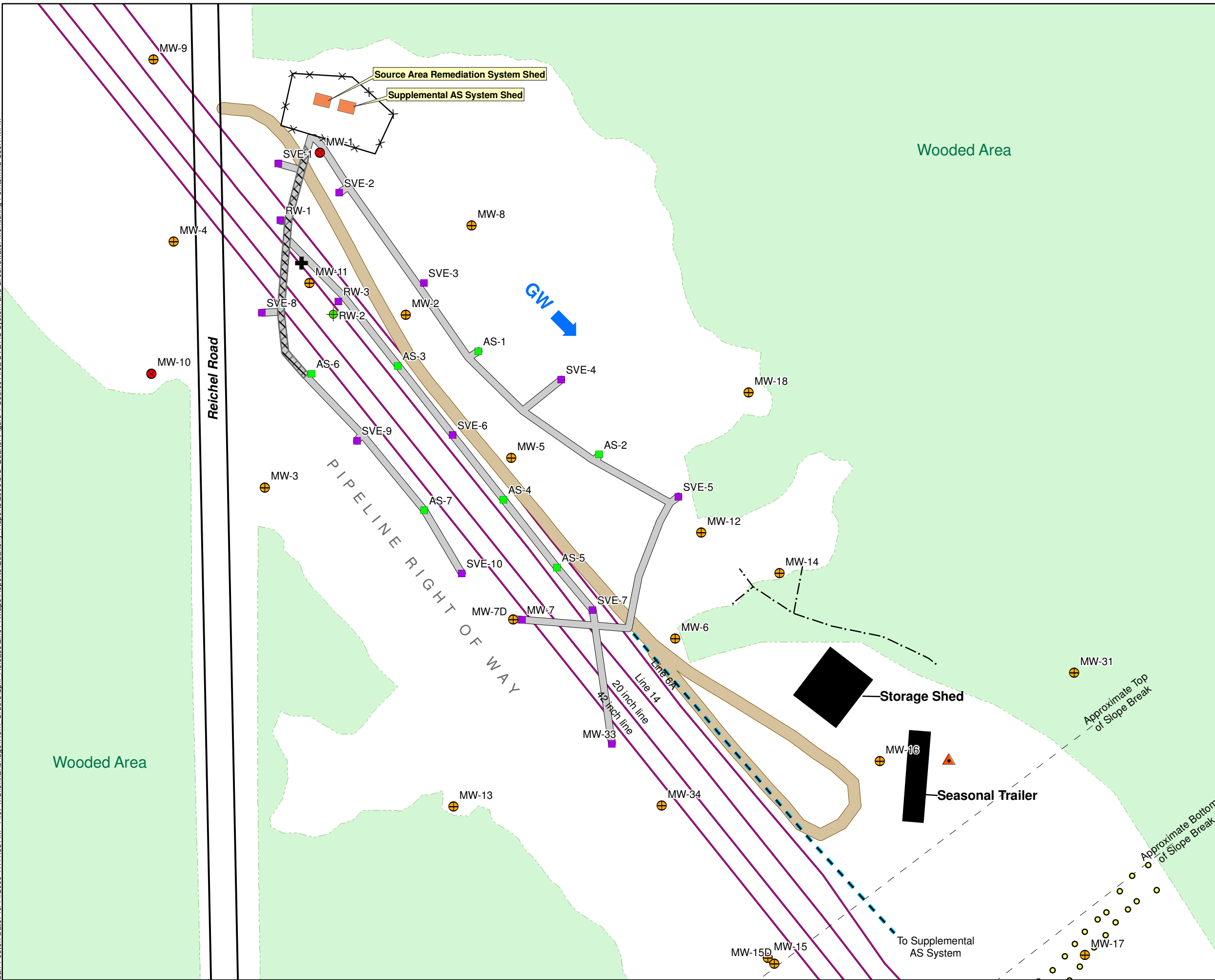


Figure 3d

BENZENE ISOCONCENTRATION
 December 17, 2012
 Enbridge Energy, Limited Partnership
 Line 14, MP 85 Crude Oil Release Site
 Rusk County, Wisconsin



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

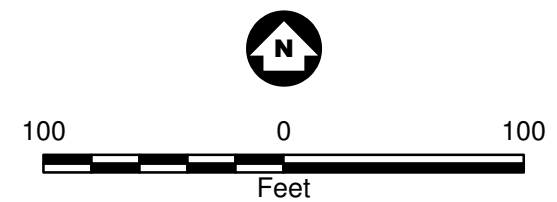
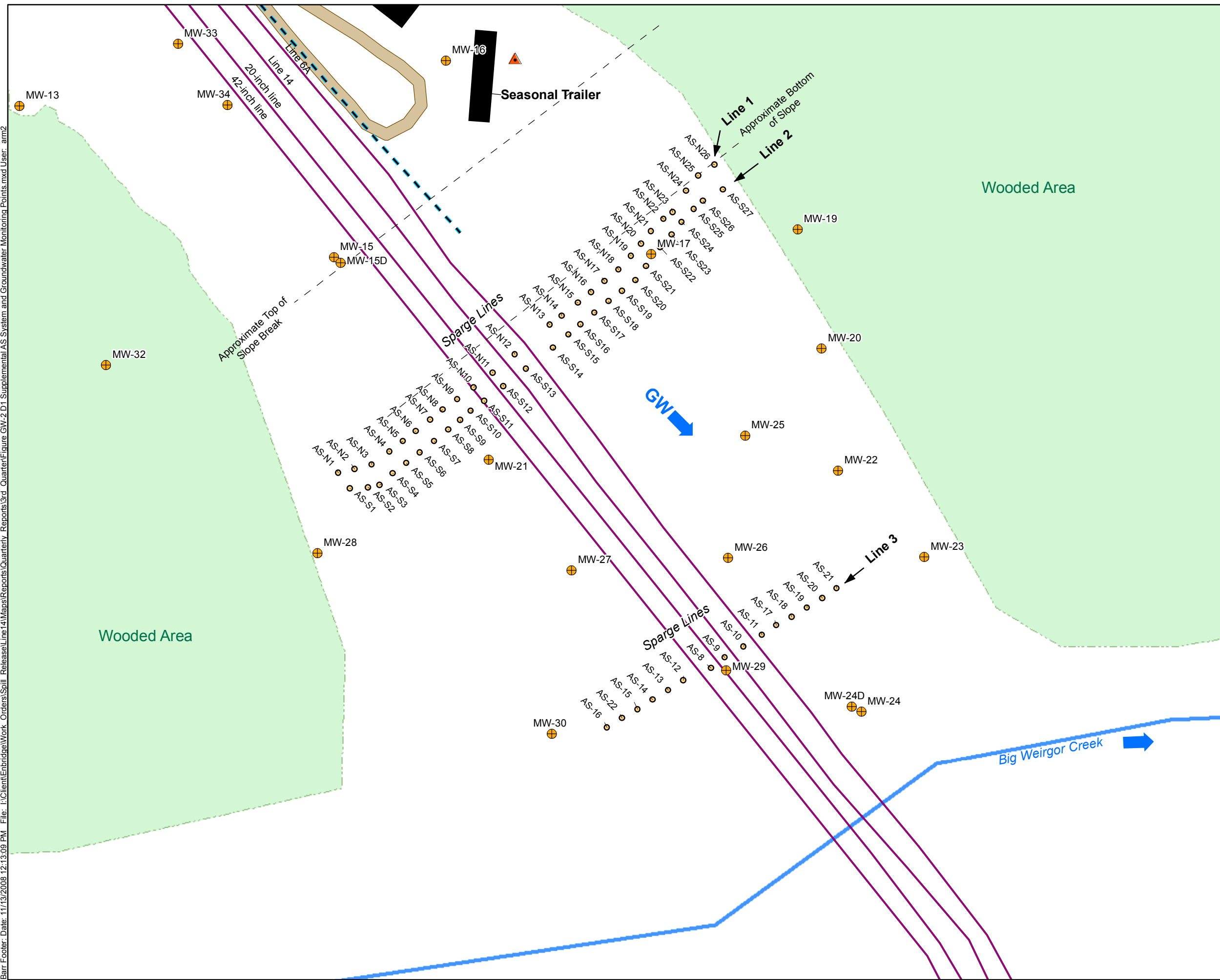


Figure 4

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.

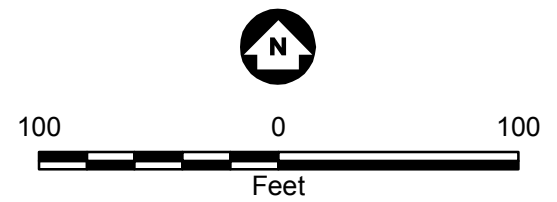
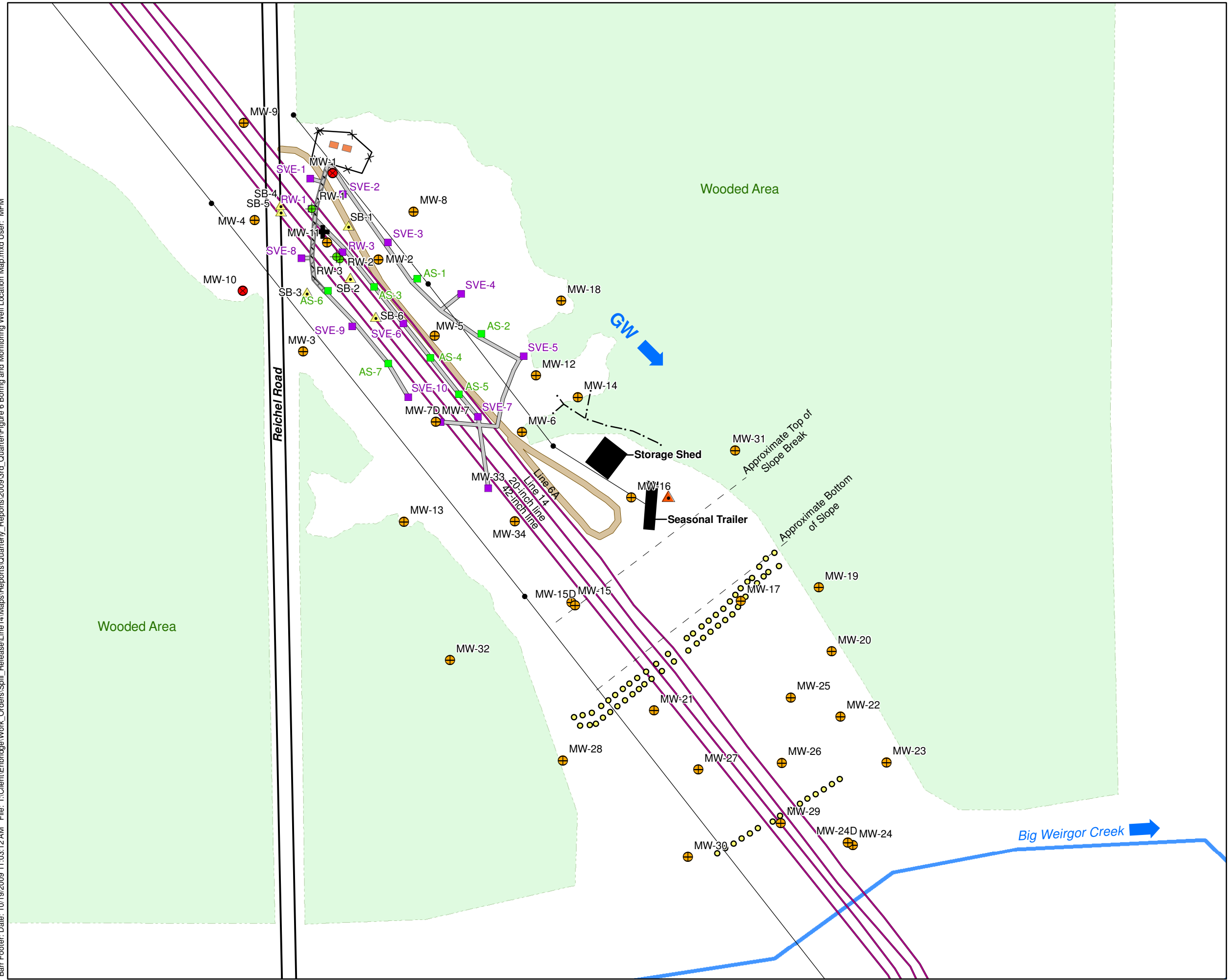


Figure 5
SUPPLEMENTAL AS SYSTEM AND
GROUNDWATER MONITORING POINTS
Enbridge Energy, Limited Partnership
Line 14, MP-85 Crude Oil Release Site
Rusk County, Wisconsin



- ✚ 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

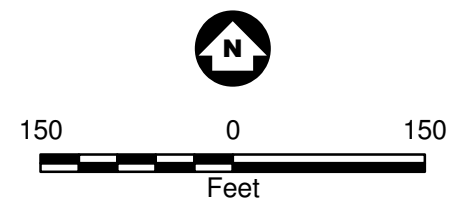


Figure 6
BORING AND MONITORING WELL
LOCATION MAP
Enbridge Energy, Limited Partnership
Line 14, MP-85 Crude Oil Release Site
Rusk County, Wisconsin

IV. Charts

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

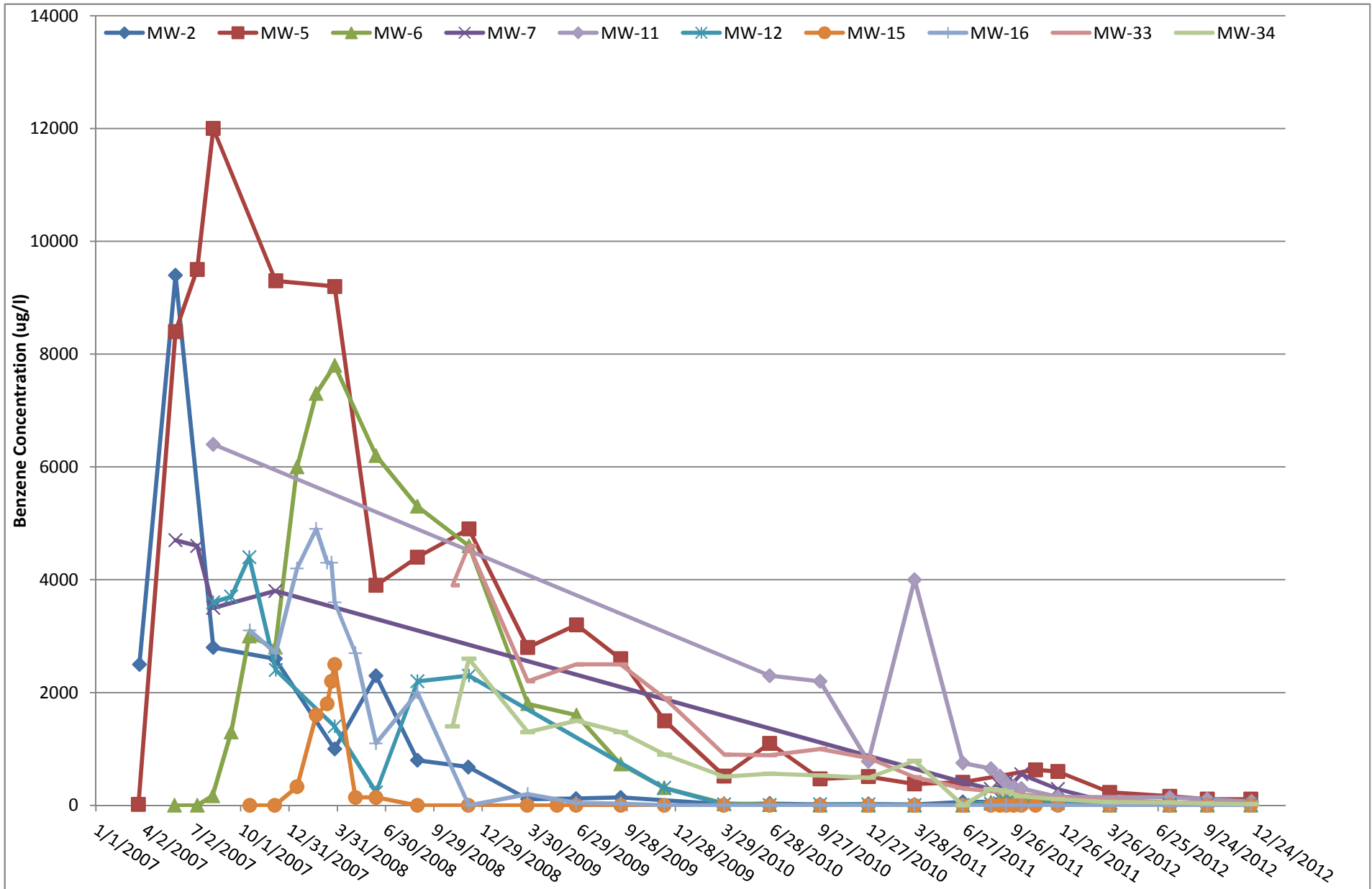


Chart 1a
 Benzene Concentrations vs Time
 Wells from Chart 1 Displaying Data starting in 2010
 Enbridge Energy Limited Partnership - Line 14, MP 85 Crude Oil Release
 Rusk County, Wisconsin

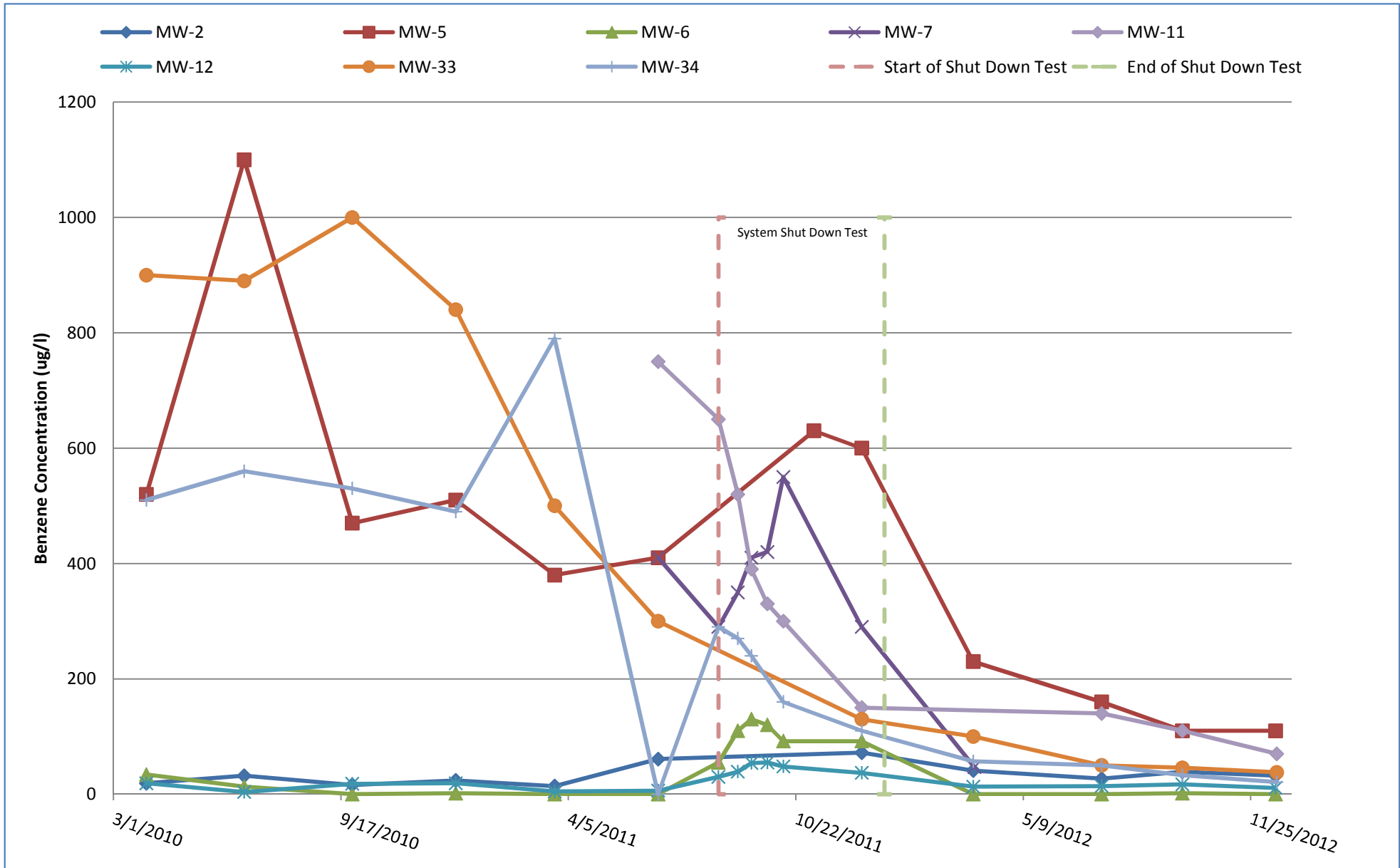


Chart 2
SVE Emissions Total Petroleum Hydrocarbon Vapor Concentration vs. Time
Logarithmic Scale to Show Low Concentrations
Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin

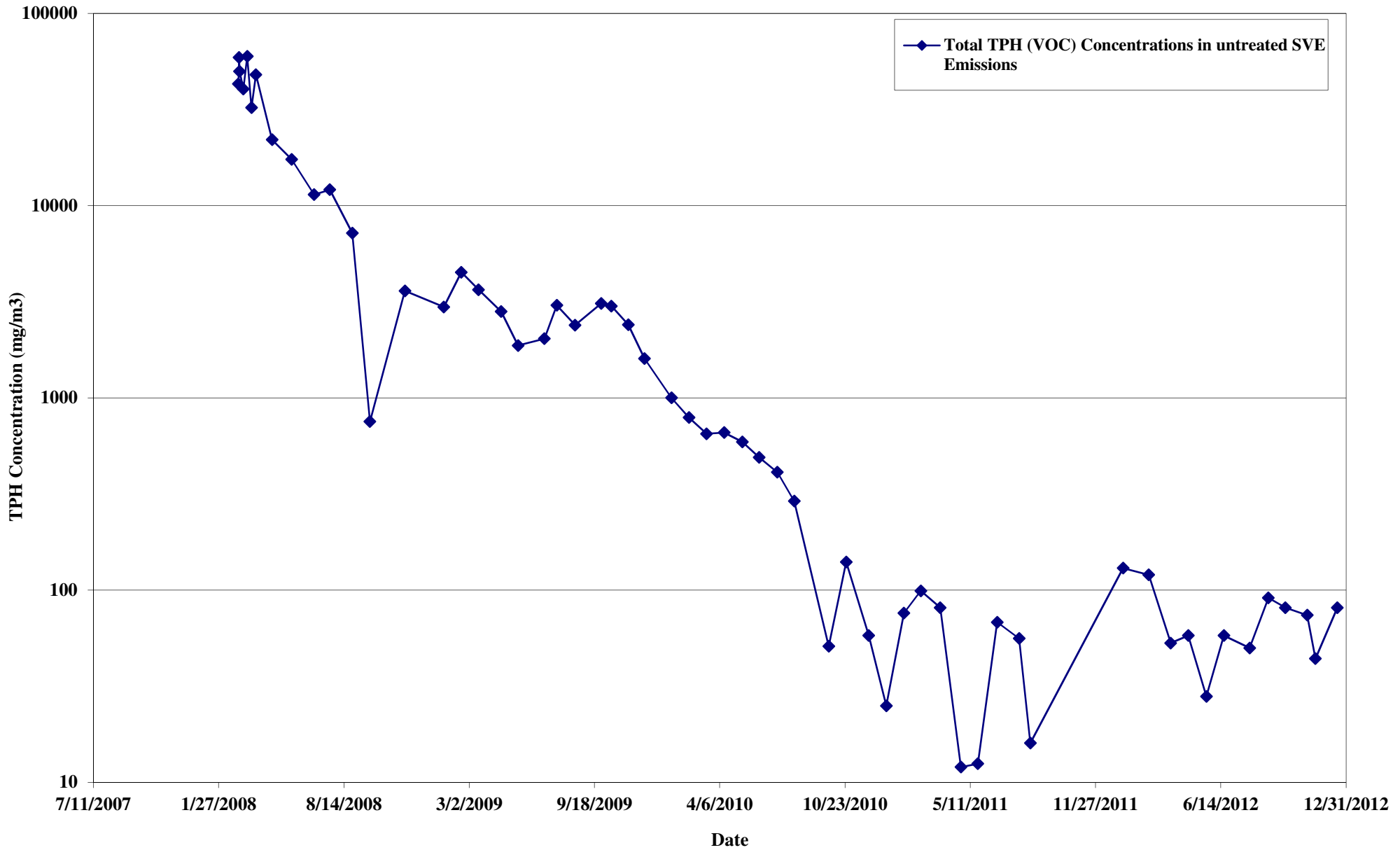


Chart 3
Cumulative Hydrocarbon Mass Removal by SVE/AS and Biodegradation
Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
Rusk County, Wisconsin

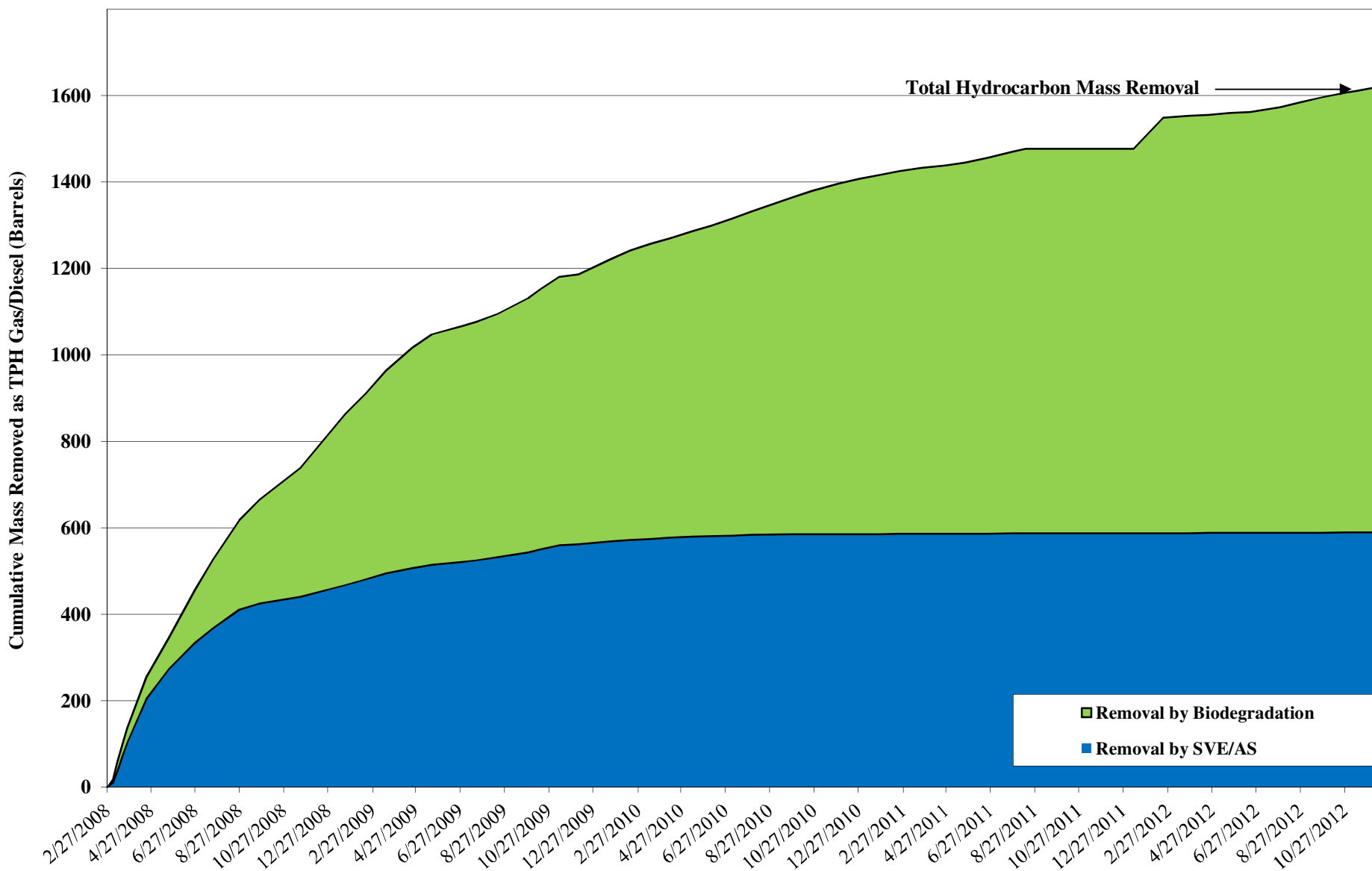
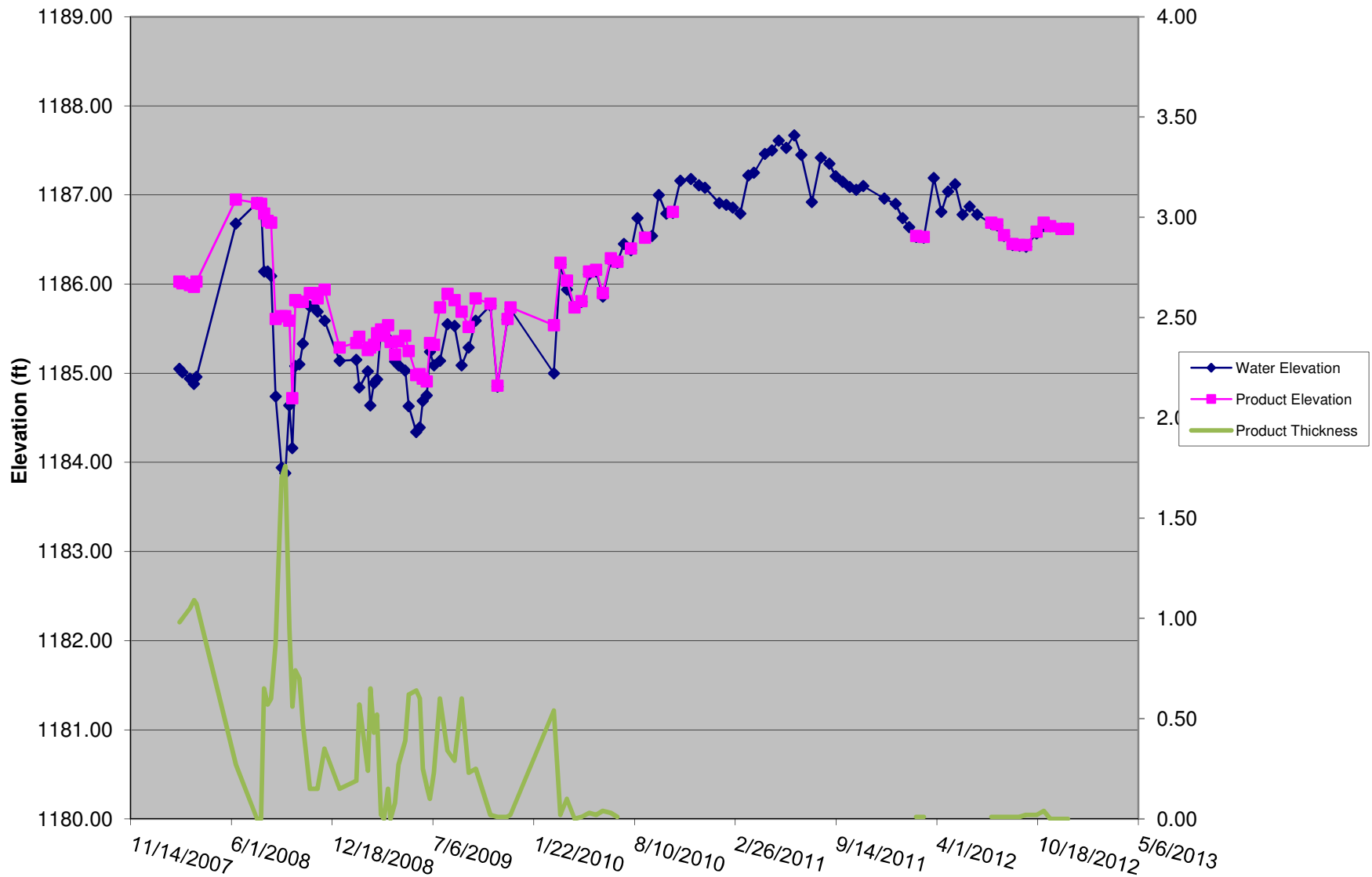


Chart 4
 Water and Product Level Hydrograph MW-7
 Enbridge Energy, Limited Partnership - Line 14, MP 85 Crude Oil Release
 Rusk County, Wisconsin



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 | <u>Underline</u> | -- | -- | 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 | <u>2.2</u> | <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 | <u>2.2</u> | <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 | <u>108</u> | <u>2500</u> | 130 | <u>22</u> | <u>1800</u> | 710 |
| MW-2 | 5/31/2007 | -- | 3800 | <u>378</u> | <u>9400</u> | <u>370</u> | -- | <u>7100</u> | <u>2200</u> |
| MW-2 | 8/10/2007 | -- | 1100 | <u>198</u> | <u>2800</u> | <u>230</u> | -- | <u>980</u> | <u>1200</u> |
| MW-2 | 12/5/2007 | -- | -- | 77 | <u>2600</u> | <u>240</u> | <u>71</u> | 150 | 460 |
| MW-2 | 3/26/2008 | -- | -- | 36 | <u>1000</u> | 56 | -- | 130 | 130 |
| MW-2 | 6/12/2008 | -- | -- | <u>216</u> | <u>2300</u> | <u>140</u> | -- | <u>800</u> | 580 |
| MW-2 | 8/29/2008 | -- | -- | <u>99</u> | <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 | -- | -- | <u>153</u> | <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 | -- | -- | <u>99</u> | <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-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-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 | <u>1.1</u> | <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-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> | <u>230</u> | -- | <u>4500</u> | <u>1500</u> |
| MW-5 | 7/11/2007 | -- | 1500 * | <u>210</u> | <u>9500</u> | <u>300</u> | -- | <u>5900</u> | <u>1800</u> |
| MW-5 | 8/10/2007 | -- | 1900 | <u>459</u> | <u>12000</u> | <u>310</u> | -- | <u>5600</u> | <u>1800</u> |
| MW-5 | 12/6/2007 | -- | -- | <u>349</u> | <u>9300</u> | <u>390</u> | <250 | <50 | <u>1900</u> |
| MW-5 | 3/26/2008 | -- | -- | <u>365</u> | <u>9200</u> | <u>450</u> | -- | <50 | 930 |
| MW-5 | 6/12/2008 | -- | -- | 79 | <u>3900</u> | 110 | -- | 100 | 240 |
| MW-5 | 8/29/2008 | -- | -- | <u>140</u> | <u>4400</u> | 97 | -- | <50 | 370 |
| MW-5 | 12/4/2008 | -- | -- | <u>296</u> | <u>4900</u> | 79 | -- | <50 | 450 |
| MW-5 | 3/25/2009 | -- | -- | <u>124</u> | <u>2800</u> | 89 | -- | <20 | 230 |
| MW-5 | 6/25/2009 | -- | -- | <u>240</u> | <u>3200</u> | <u>270</u> | -- | <u>390</u> | 590 |
| MW-5 | 9/16/2009 | -- | -- | <u>191</u> | <u>2600</u> | <u>240</u> | -- | 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 | -- | -- | <u>133</u> | <u>1100</u> | <u>250</u> | -- | 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 | -- | -- | <u>138</u> | <u>630</u> | <u>210</u> | -- | 9.6 | 260 |
| MW-5 | 12/19/2011 | -- | -- | <u>213</u> | <u>600</u> | <u>250</u> | -- | <5 | 200 |
| MW-5 | 3/26/2012 | -- | -- | 60.3 | <u>230</u> | <u>170</u> | -- | <1.0 | 16 |
| MW-5 | 7/17/2012 | -- | -- | 68 | <u>160</u> | <u>170</u> | -- | 1.6 | 57 |
| MW-5 | 9/26/2012 | -- | -- | 42.7 | <u>110</u> | 110 | -- | <1.0 | 20 |

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 | 12/17/2012 | -- | -- | 43.9 | <u>110</u> | 120 | -- | <1.0 | 8.6 |
| 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> | <u>170</u> | <50 | <10 | 500 |
| MW-6 | 2/20/2008 | -- | -- | ND | <u>7300</u> | <u>240</u> | <u>66</u> | <50 | 480 |
| MW-6 | 3/26/2008 | -- | -- | ND | <u>7800</u> | <u>200</u> | -- | <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-7 | 5/31/2007 | -- | 750 | 85 | <u>4700</u> | 130 | <u>19</u> | <u>2900</u> | 750 |
| MW-7 | 7/11/2007 | -- | 850 | <u>141</u> | <u>4600</u> | <u>180</u> | -- | <u>3100</u> | <u>1000</u> |
| MW-7 | 8/10/2007 | -- | 1100 | <u>123</u> | <u>3500</u> | <u>140</u> | -- | <u>1800</u> | 750 |
| MW-7 | 12/5/2007 | -- | -- | 51 | <u>3800</u> | <u>200</u> | <100 | 88 | 570 |
| MW-7 | 6/23/2011 | -- | -- | <u>870</u> | <u>410</u> | <u>230</u> | -- | 160 | 790 |
| MW-7 | 8/15/2011 | -- | -- | <u>124</u> | <u>290</u> | <u>280</u> | -- | 28 | 270 |
| MW-7 | 9/1/2011 | -- | -- | <u>191</u> | <u>350</u> | 110 | -- | 30 | 330 |
| MW-7 | 9/13/2011 | -- | -- | <u>214</u> | <u>410</u> | 120 | -- | 35 | 380 |
| MW-7 | 9/27/2011 | -- | -- | <u>214</u> | <u>420</u> | 120 | -- | 25 | 370 |
| MW-7 | 10/11/2011 | -- | -- | <u>249</u> | <u>550</u> | <u>160</u> | -- | 19 | 470 |
| MW-7 | 12/19/2011 | -- | -- | <u>177</u> | <u>290</u> | 100 | -- | <5 | 260 |
| MW-7 | 3/27/2012 | -- | -- | <u>182</u> | <u>47</u> | 44 | -- | 5.3 | 110 |
| 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-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-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-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 |

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-10 | 6/10/2008 | -- | -- | ND | <1.0 | <1.0 | -- | <1.0 | <3.0 |
| MW-11 | 8/10/2007 | -- | 1700 | 269 | <u>6400</u> | 320 | -- | <u>4900</u> | 1800 |
| MW-11 | 6/24/2010 | -- | -- | 245 | <u>2300</u> | 260 | -- | 450 | 1400 |
| MW-11 | 9/27/2010 | -- | -- | 188 | <u>2200</u> | 180 | -- | 62 | 1000 |
| MW-11 | 12/27/2010 | -- | -- | 256 | <u>780</u> | 220 | -- | 6.8 | 1000 |
| MW-11 | 3/24/2011 | -- | -- | 293 | <u>4000</u> | 270 | -- | 120 | 1100 |
| MW-11 | 6/23/2011 | -- | -- | 271 | <u>750</u> | 260 | -- | 37 | 1400 |
| MW-11 | 8/15/2011 | -- | -- | 251 | <u>650</u> | 280 | -- | 150 | 1500 |
| MW-11 | 9/1/2011 | -- | -- | 290 | <u>520</u> | 330 | -- | 71 | 1700 |
| MW-11 | 9/13/2011 | -- | -- | 369 | <u>390</u> | 330 | -- | 96 | 1900 |
| MW-11 | 9/27/2011 | -- | -- | 382 | <u>330</u> | 300 | -- | 29 | 1700 |
| MW-11 | 10/11/2011 | -- | -- | 420 | <u>300</u> | 310 | -- | 12 | 1600 |
| MW-11 | 12/19/2011 | -- | -- | 378 | <u>150</u> | 230 | -- | 6 | 1100 |
| MW-11 | 7/17/2012 | -- | -- | 390 | <u>140</u> | 220 | -- | 17 | 1200 |
| MW-11 | 9/26/2012 | -- | -- | 347 | <u>110</u> | 170 | -- | 2.1 | 700 |
| MW-11 | 12/18/2012 | -- | -- | 197 | <u>70</u> | 120 | -- | 1.1 | 490 |
| 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-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-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 |

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-14 | 7/17/2012 | -- | -- | ND | <1.0 | <1.0 | | <1.0 | <3.0 |
| 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-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 | <10 | 6.1 | <10 | <30 |
| MW-15 | 3/12/2008 | -- | <460 | ND | 1800 | <10 | <50 | <10 | <30 |
| MW-15 | 3/20/2008 | -- | <460 | 11 | 2200 | <10 | <50 | <10 | <30 |
| MW-15 | 3/26/2008 | -- | -- | ND | 2500 | 12 | -- | <10 | <30 |
| 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-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-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 |
| 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-17 | 10/18/2007 | -- | <460 | ND | <1.0 | <1.0 | <5.0 | <1.0 | ND |

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-17 | 12/4/2007 | -- | -- | ND | <u>27</u> | 1.1 | <5.0 | <1.0 | 4.9 |
| MW-17 | 1/15/2008 | -- | -- | 5 | <u>200</u> | 5.4 | <5.0 | <1.0 | 33 |
| MW-17 | 2/20/2008 | -- | -- | 4.5 | <u>760</u> | 14 | <5.0 | <1.0 | 48 |
| MW-17 | 3/11/2008 | -- | <460 | 1.7 | <u>730</u> | 21 | <5.0 | <1.0 | 50 |
| MW-17 | 3/20/2008 | -- | <460 | ND | <u>420</u> | 13 | <25 | <5.0 | 30 |
| MW-17 | 3/26/2008 | -- | -- | ND | <u>29</u> | 1.1 | -- | <1.0 | <3.0 |
| MW-17 | 4/9/2008 | -- | -- | ND | <u>950</u> | 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-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 |
| 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 | <u>1.7</u> | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-21 | 3/12/2008 | -- | <460 | ND | <u>10</u> | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-21 | 3/20/2008 | -- | <460 | ND | <u>8.2</u> | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-21 | 3/26/2008 | -- | -- | ND | <u>8</u> | <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 | <u>4.3</u> | <1.0 | -- | <1.0 | <3.0 |
| MW-21 | 9/13/2011 | -- | -- | ND | <u>1.2</u> | <1.0 | -- | <1.0 | <3.0 |
| MW-21 | 9/27/2011 | -- | -- | 1.2 | <u>4</u> | <1.0 | -- | <1.0 | <3.0 |
| MW-21 | 10/11/2011 | -- | -- | ND | <u>4</u> | <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-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 |

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-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 |
| 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-27 | 2/27/2008 | -- | -- | 3.6 | 55 | <1.0 | <5.0 | <1.0 | 3.5 |
| MW-27 | 3/12/2008 | -- | <460 | ND | 77 | <1.0 | <5.0 | <1.0 | 4.4 |
| MW-27 | 3/20/2008 | -- | <460 | ND | 57 | <1.0 | <5.0 | <1.0 | 3.3 |
| MW-27 | 3/26/2008 | -- | -- | ND | 40 | <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 | 3.5 | <1.0 | -- | <1.0 | <3.0 |
| MW-27 | 12/19/2011 | -- | -- | ND | 1.4 | <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-28 | 3/25/2008 | -- | <460 | ND | <1.0 | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-28 | 4/8/2008 | -- | -- | ND | 2.2 | <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-29 | 2/27/2008 | -- | -- | ND | 14 | <1.0 | <5.0 | <1.0 | <3.0 |
| MW-29 | 3/12/2008 | -- | <460 | 2.6 | 150 | 4.0 | <5.0 | <1.0 | 23 |
| MW-29 | 3/19/2008 | -- | <460 | ND | 2.7 | <1.0 | -- | <1.0 | <3.0 |
| MW-29 | 3/26/2008 | -- | -- | ND | 1.4 | <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-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 |

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-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-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 | 3900 | 69 | -- | 240 | 310 |
| MW-33 | 12/4/2008 | -- | -- | 20 | 4600 | <20 | -- | <20 | 200 |
| MW-33 | 3/25/2009 | -- | -- | 15 | 2200 | 13 | -- | 22 | 51 |
| MW-33 | 6/25/2009 | -- | -- | 28 | 2500 | 40 | -- | 44 | 62 |
| MW-33 | 9/16/2009 | -- | -- | 68 | 2500 | 73 | -- | 53 | 91 |
| MW-33 | 12/8/2009 | -- | -- | 31 | 1900 | 69 | -- | 99 | 94 |
| MW-33 | 3/30/2010 | -- | -- | 16.7 | 900 | 30 | -- | 46 | 34 |
| MW-33 | 6/24/2010 | -- | -- | 22 | 890 | 27 | -- | 23 | 59 |
| MW-33 | 9/27/2010 | -- | -- | 41 | 1000 | 61 | -- | 7.7 | 40 |
| MW-33 | 12/27/2010 | -- | -- | 67 | 840 | 70 | -- | 21 | 59 |
| MW-33 | 3/24/2011 | -- | -- | 15.3 | 500 | 59 | -- | <5.0 | <15 |
| MW-33 | 6/23/2011 | -- | -- | 20.9 | 300 | 44 | -- | <1.0 | 11 |
| MW-33 | 12/19/2011 | -- | -- | 32 | 130 | 51 | -- | <1.0 | 21 |
| MW-33 | 3/26/2012 | -- | -- | 34 | 100 | 53 | -- | <1.0 | 16 |
| MW-33 | 7/17/2012 | -- | -- | 22.9 | 50 | 33 | -- | <1.0 | 7 |
| MW-33 | 9/26/2012 | -- | -- | 27.7 | 46 | 49 | -- | <1.0 | 11 |
| MW-33 | 12/18/2012 | -- | -- | 24.1 | 38 | 43 | -- | <1.0 | 11 |
| MW-34 | 11/3/2008 | -- | -- | 12.5 | 1400 | 13 | -- | 26 | 79 |
| MW-34 | 12/4/2008 | -- | -- | 14 | 2600 | 13 | -- | 18 | 110 |
| MW-34 | 3/25/2009 | -- | -- | ND | 1300 | 5.4 | -- | <5.0 | <15 |
| MW-34 | 6/25/2009 | -- | -- | 10 | 1500 | 38 | -- | <10 | 30 |
| MW-34 | 9/16/2009 | -- | -- | 29 | 1300 | 56 | -- | <5.0 | 45 |
| MW-34 | 12/8/2009 | -- | -- | 14 | 900 | 54 | -- | 39 | 38 |
| MW-34 | 3/30/2010 | -- | -- | 9.4 | 510 | 21 | -- | 6.6 | 13 |
| MW-34 | 6/24/2010 | -- | -- | 11.4 | 560 | 26 | -- | 8.0 | <15 |
| MW-34 | 9/27/2010 | -- | -- | 21 | 530 | 42 | -- | 8.2 | 32 |
| MW-34 | 12/27/2010 | -- | -- | 31 | 490 | 52 | -- | 6.0 | 47 |
| MW-34 | 3/24/2011 | -- | -- | 60 | 790 | 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 | 290 | 40 | -- | <2.0 | <6.0 |
| MW-34 | 9/1/2011 | -- | -- | 14.9 | 270 | 47 | -- | <1.0 | 3.7 |
| MW-34 | 9/13/2011 | -- | -- | 18.1 | 240 | 49 | -- | <1.0 | 5.7 |
| MW-34 | 10/11/2011 | -- | -- | 10.4 | 160 | 30 | -- | <1.0 | 3.3 |
| MW-34 | 12/19/2011 | -- | -- | 12.6 | 110 | 34 | -- | <1.0 | 8.5 |
| MW-34 | 3/26/2012 | -- | -- | 8.7 | 57 | 26 | -- | <1.0 | 4 |
| MW-34 | 7/17/2012 | -- | -- | 7.7 | 50 | 33 | -- | <1.0 | 7 |
| MW-34 | 9/26/2012 | -- | -- | 9.6 | 33 | 28 | -- | <1.0 | <3.0 |
| MW-34 | 12/18/2012 | -- | -- | 6.6 | 21 | 19 | -- | <1.0 | <3.0 |

-- 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 BRRS# 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 | |
| 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 | |

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

| Location | Date | Ground Surface Elevation | Top of Riser Elevation | Top of Screen Elevation | Bottom of Screen Elevation | Depth to Water (TOR) | Depth to Product | Product Thickness | Ground Water Elevation | Product Elevation |
|----------|------------|--------------------------|------------------------|-------------------------|----------------------------|----------------------|------------------|-------------------|------------------------|-------------------|
| MW-2 | 7/28/2011 | 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-3 | 3/24/2007 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.31 | | | 1186.43 | |
| MW-3 | 4/2/2007 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 39.77 | | | 1186.97 | |
| MW-3 | 4/17/2007 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.04 | | | 1186.70 | |
| MW-3 | 5/29/2007 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.16 | | | 1186.58 | |
| MW-3 | 6/12/2007 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.15 | | | 1186.59 | |
| MW-3 | 6/21/2007 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.23 | | | 1186.51 | |
| MW-3 | 7/2/2007 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.38 | | | 1186.36 | |
| MW-3 | 7/11/2007 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.40 | | | 1186.34 | |
| MW-3 | 7/24/2007 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.43 | | | 1186.31 | |
| MW-3 | 8/2/2007 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.45 | | | 1186.29 | |
| MW-3 | 8/9/2007 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.51 | | | 1186.23 | |
| MW-3 | 10/17/2007 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 39.98 | | | 1186.76 | |
| MW-3 | 11/9/2007 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.11 | | | 1186.63 | |
| MW-3 | 12/3/2007 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.14 | | | 1186.60 | |
| MW-3 | 1/14/2008 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.49 | | | 1186.25 | |
| MW-3 | 2/19/2008 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.63 | | | 1186.11 | |
| MW-3 | 03/11/2008 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.70 | | | 1186.04 | |
| MW-3 | 03/19/2008 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.73 | | | 1186.01 | |
| MW-3 | 03/24/2008 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.70 | | | 1186.04 | |
| MW-3 | 04/01/2008 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.61 | | | 1186.13 | |
| MW-3 | 06/10/2008 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 39.60 | | | 1187.14 | |
| MW-3 | 08/28/2008 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 39.90 | | | 1186.84 | |
| MW-3 | 12/03/2008 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 39.74 | | | 1187.00 | |
| MW-3 | 03/25/2009 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 39.99 | | | 1186.75 | |
| MW-3 | 03/31/2009 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 39.97 | | | 1186.77 | |
| MW-3 | 04/08/2009 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.10 | | | 1186.64 | |
| MW-3 | 04/13/2009 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.35 | | | 1186.39 | |
| MW-3 | 05/12/2009 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.13 | | | 1186.61 | |
| MW-3 | 05/19/2009 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.32 | | | 1186.42 | |
| MW-3 | 6/3/2009 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.49 | | | 1186.25 | |
| MW-3 | 6/10/2009 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.44 | | | 1186.30 | |
| MW-3 | 6/16/2009 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.57 | | | 1186.17 | |
| MW-3 | 6/24/2009 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.57 | | | 1186.17 | |
| MW-3 | 6/30/2009 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.68 | | | 1186.06 | |
| MW-3 | 7/8/2009 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.75 | | | 1185.99 | |
| MW-3 | 07/20/2009 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.81 | | | 1185.93 | |
| MW-3 | 08/04/2009 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.76 | | | 1185.98 | |
| MW-3 | 8/18/2009 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.84 | | | 1185.90 | |
| MW-3 | 9/1/2009 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.83 | | | 1185.91 | |
| MW-3 | 9/15/2009 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.97 | | | 1185.77 | |
| MW-3 | 9/29/2009 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.98 | | | 1185.76 | |
| MW-3 | 10/28/2009 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.71 | | | 1186.03 | |
| MW-3 | 11/11/2009 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 39.72 | | | 1187.02 | |
| MW-3 | 12/1/2009 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 39.95 | | | 1186.79 | |
| MW-3 | 12/7/2009 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.97 | | | 1185.77 | |
| MW-3 | 12/22/2009 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.99 | | | 1185.75 | |
| MW-3 | 1/5/2010 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.94 | | | 1185.80 | |
| MW-3 | 1/19/2010 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 41.00 | | | 1185.74 | |
| MW-3 | 2/3/2010 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.98 | | | 1185.76 | |
| MW-3 | 2/16/2010 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.97 | | | 1185.77 | |
| MW-3 | 3/3/2010 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 41.00 | | | 1185.74 | |
| MW-3 | 3/16/2010 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.26 | | | 1186.48 | |
| MW-3 | 3/29/2010 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.43 | | | 1186.31 | |
| MW-3 | 4/13/2010 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.68 | | | 1186.06 | |
| MW-3 | 4/27/2010 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.65 | | | 1186.09 | |
| MW-3 | 5/12/2010 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.65 | | | 1186.09 | |
| MW-3 | 5/26/2010 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.61 | | | 1186.13 | |
| MW-3 | 6/8/2010 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.70 | | | 1186.04 | |
| MW-3 | 6/24/2010 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.28 | | | 1186.46 | |
| MW-3 | 7/7/2010 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.32 | | | 1186.42 | |
| MW-3 | 7/20/2010 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.40 | | | 1186.34 | |
| MW-3 | 8/3/2010 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.45 | | | 1186.29 | |
| MW-3 | 8/16/2010 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.20 | | | 1186.54 | |
| 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 | |

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 | 3/8/2011 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 39.68 | | | 1187.06 | |
| MW-3 | 3/24/2011 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 39.29 | | | 1187.45 | |
| MW-3 | 4/4/2011 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 39.30 | | | 1187.44 | |
| MW-3 | 5/10/2011 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 38.85 | | | 1187.89 | |
| MW-3 | 5/23/2011 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 38.22 | | | 1188.52 | |
| MW-3 | 6/7/2011 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 38.80 | | | 1187.94 | |
| MW-3 | 6/23/2011 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 38.76 | | | 1187.98 | |
| MW-3 | 7/7/2011 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 39.02 | | | 1187.72 | |
| MW-3 | 7/28/2011 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 39.13 | | | 1187.61 | |
| MW-3 | 8/15/2011 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 39.25 | | | 1187.49 | |
| MW-3 | 10/11/2011 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 39.22 | | | 1187.52 | |
| MW-3 | 12/19/2011 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 39.50 | | | 1187.24 | |
| MW-3 | 1/10/2012 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 39.53 | | | 1187.21 | |
| MW-3 | 1/24/2012 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 39.69 | | | 1187.05 | |
| MW-3 | 2/6/2012 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 39.78 | | | 1186.96 | |
| MW-3 | 2/20/2012 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 39.88 | | | 1186.86 | |
| MW-3 | 3/6/2012 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 39.82 | | | 1186.92 | |
| MW-3 | 3/26/2012 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 39.26 | | | 1187.48 | |
| MW-3 | 4/10/2012 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 39.55 | | | 1187.19 | |
| MW-3 | 4/23/2012 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 39.35 | | | 1187.39 | |
| MW-3 | 5/7/2012 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 39.26 | | | 1187.48 | |
| MW-3 | 5/22/2012 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 39.42 | | | 1187.32 | |
| MW-3 | 6/5/2012 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 39.42 | | | 1187.32 | |
| MW-3 | 6/19/2012 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 39.50 | | | 1187.24 | |
| MW-3 | 7/18/2012 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 38.74 | | | 1188.00 | |
| MW-3 | 7/30/2012 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 39.75 | | | 1186.99 | |
| MW-3 | 8/12/2012 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 39.86 | | | 1186.88 | |
| MW-3 | 8/29/2012 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 38.64 | | | 1188.10 | |
| MW-3 | 9/12/2012 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 38.65 | | | 1188.09 | |
| MW-3 | 9/25/2012 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 40.00 | | | 1186.74 | |
| MW-3 | 10/16/2012 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 39.79 | | | 1186.95 | |
| MW-3 | 10/30/2012 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 39.75 | | | 1186.99 | |
| MW-3 | 11/12/2012 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 39.78 | | | 1186.96 | |
| MW-3 | 12/4/2012 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 39.84 | | | 1186.90 | |
| MW-3 | 12/17/2012 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 39.83 | | | 1186.91 | |
| MW-3 | 1/2/2013 | 1224.58 | 1226.74 | 1189.74 | 1179.74 | 39.88 | | | 1186.86 | |

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|------|------------|---------|---------|---------|---------|-------|--|--|---------|--|
| 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 | |

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|------|------------|---------|---------|---------|---------|-------|--|--|---------|--|
| 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 | |

Table 2
Ground Water Elevations/Product Thickness
Enbridge Energy MP85
Reichel Road, Town of Murry, Rusk County, Wisconsin
WDNR BRRS# 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 | 7/8/2009 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 41.03 | | | 1185.93 | |
| MW-5 | 7/20/2009 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 41.17 | | | 1185.79 | |
| MW-5 | 8/4/2009 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 41.13 | | | 1185.83 | |
| MW-5 | 8/18/2009 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 41.25 | | | 1185.71 | |
| MW-5 | 9/1/2009 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 41.25 | | | 1185.71 | |
| MW-5 | 9/15/2009 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 41.34 | | | 1185.62 | |
| MW-5 | 9/29/2009 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 41.32 | | | 1185.64 | |
| MW-5 | 10/28/2009 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 41.05 | | | 1185.91 | |
| MW-5 | 11/11/2009 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 41.11 | | | 1185.85 | |
| MW-5 | 12/1/2009 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 41.23 | | | 1185.73 | |
| MW-5 | 12/7/2009 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 41.31 | | | 1185.65 | |
| MW-5 | 12/22/2009 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 41.29 | | | 1185.67 | |
| MW-5 | 1/5/2010 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 41.24 | | | 1185.72 | |
| MW-5 | 1/19/2010 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 41.27 | | | 1185.69 | |
| MW-5 | 2/3/2010 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 41.30 | | | 1185.66 | |
| MW-5 | 2/16/2010 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 41.32 | | | 1185.64 | |
| MW-5 | 3/3/2010 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 41.35 | | | 1185.61 | |
| MW-5 | 3/16/2010 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 40.55 | | | 1186.41 | |
| MW-5 | 3/30/2010 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 40.85 | | | 1186.11 | |
| MW-5 | 4/13/2010 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 41.08 | | | 1185.88 | |
| MW-5 | 4/27/2010 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 41.05 | | | 1185.91 | |
| MW-5 | 5/12/2010 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 40.98 | | | 1185.98 | |
| MW-5 | 5/26/2010 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 40.93 | | | 1186.03 | |
| MW-5 | 6/8/2010 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 41.00 | | | 1185.96 | |
| MW-5 | 6/24/2010 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 40.62 | | | 1186.34 | |
| MW-5 | 7/7/2010 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 40.68 | | | 1186.28 | |
| MW-5 | 7/20/2010 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 40.38 | | | 1186.58 | |
| MW-5 | 8/3/2010 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 40.43 | | | 1186.53 | |
| MW-5 | 8/16/2010 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 40.06 | | | 1186.90 | |
| MW-5 | 8/31/2010 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 40.27 | | | 1186.69 | |
| MW-5 | 9/14/2010 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 40.30 | | | 1186.66 | |
| MW-5 | 9/27/2010 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 39.69 | | | 1187.27 | |
| MW-5 | 10/12/2010 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 39.95 | | | 1187.01 | |
| MW-5 | 10/25/2010 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 39.90 | | | 1187.06 | |
| MW-5 | 11/9/2010 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 39.68 | | | 1187.28 | |
| MW-5 | 11/30/2010 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 39.67 | | | 1187.29 | |
| MW-5 | 12/16/2010 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 39.70 | | | 1187.26 | |
| MW-5 | 12/28/2010 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 39.78 | | | 1187.18 | |
| MW-5 | 1/25/2011 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 39.90 | | | 1187.06 | |
| MW-5 | 2/8/2011 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 39.95 | | | 1187.01 | |
| MW-5 | 2/21/2011 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 39.96 | | | 1187.00 | |
| MW-5 | 3/8/2011 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 40.07 | | | 1186.89 | |
| MW-5 | 3/24/2011 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 39.68 | | | 1187.28 | |
| MW-5 | 4/4/2011 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 39.70 | | | 1187.26 | |
| MW-5 | 4/26/2011 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 39.39 | | | 1187.57 | |
| MW-5 | 5/10/2011 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 39.29 | | | 1187.67 | |
| MW-5 | 5/23/2011 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 39.25 | | | 1187.71 | |
| MW-5 | 6/7/2011 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 39.23 | | | 1187.73 | |
| MW-5 | 6/23/2011 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 39.16 | | | 1187.80 | |
| MW-5 | 7/7/2011 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 39.47 | | | 1187.49 | |
| MW-5 | 7/28/2011 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 39.49 | | | 1187.47 | |
| MW-5 | 8/15/2011 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 39.43 | | | 1187.53 | |
| MW-5 | 10/11/2011 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 39.62 | | | 1187.34 | |
| MW-5 | 10/24/2011 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 39.62 | | | 1187.34 | |
| MW-5 | 12/19/2011 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 39.88 | | | 1187.08 | |
| MW-5 | 1/10/2012 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 39.92 | | | 1187.04 | |
| MW-5 | 1/24/2012 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 40.08 | | | 1186.88 | |
| MW-5 | 2/6/2012 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 40.12 | | | 1186.84 | |
| MW-5 | 2/20/2012 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 40.22 | | | 1186.74 | |
| MW-5 | 3/6/2012 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 40.30 | | | 1186.66 | |
| MW-5 | 3/26/2012 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 39.70 | | | 1187.26 | |
| MW-5 | 4/10/2012 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 39.98 | | | 1186.98 | |
| MW-5 | 4/23/2012 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 39.78 | | | 1187.18 | |
| MW-5 | 5/7/2012 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 39.69 | | | 1187.27 | |
| MW-5 | 5/22/2012 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 39.91 | | | 1187.05 | |
| MW-5 | 6/5/2012 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 39.93 | | | 1187.03 | |
| MW-5 | 6/20/2012 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 39.98 | | | 1186.98 | |
| MW-5 | 7/18/2012 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 40.14 | | | 1186.82 | |
| MW-5 | 7/30/2012 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 40.09 | | | 1186.87 | |
| MW-5 | 8/12/2012 | 1224.68 | 1226.96 | 1189.96 | 1179.96 | 40.20 | | | 1186.76 | |
| 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-6 | 5/29/2007 | 1223.53 | 1225.19 | 1191.19 | 1181.19 | 38.85 | | | 1186.34 | |
| MW-6 | 6/12/2007 | 1223.53 | 1225.19 | 1191.19 | 1181.19 | 38.88 | | | 1186.31 | |
| MW-6 | 6/21/2007 | 1223.53 | 1225.19 | 1191.19 | 1181.19 | 38.97 | | | 1186.22 | |
| MW-6 | 7/2/2007 | 1223.53 | 1225.19 | 1191.19 | 1181.19 | 39.11 | | | 1186.08 | |
| MW-6 | 7/11/2007 | 1223.53 | 1225.19 | 1191.19 | 1181.19 | 39.13 | | | 1186.06 | |
| MW-6 | 7/24/2007 | 1223.53 | 1225.19 | 1191.19 | 1181.19 | 39.17 | | | 1186.02 | |
| MW-6 | 8/2/2007 | 1223.53 | 1225.19 | 1191.19 | 1181.19 | 39.17 | | | 1186.02 | |
| MW-6 | 8/9/2007 | 1223.53 | 1225.19 | 1191.19 | 1181.19 | 39.23 | | | 1185.96 | |
| MW-6 | 10/17/2007 | 1223.53 | 1225.19 | 1191.19 | 1181.19 | 38.74 | | | 1186.45 | |
| MW-6 | 11/9/2007 | 1223.53 | 1225.19 | 1191.19 | 1181.19 | 38.83 | | | 1186.36 | |
| MW-6 | 12/3/2007 | 1223.53 | 1225.19 | 1191.19 | 1181.19 | 38.86 | | | 1186.33 | |
| MW-6 | 1/14/2008 | 1223.53 | 1225.19 | 1191.19 | 1181.19 | 39.22 | | | 1185.97 | |
| MW-6 | 2/19/2008 | 1223.53 | 1225.19 | 1191.19 | 1181.19 | 39.39 | | | 1185.80 | |
| MW-6 | 03/24/2008 | 1223.53 | 1225.19 | 1191.19 | 1181.19 | 39.40 | | | 1185.79 | |
| MW-6 | 04/01/2008 | 1223.53 | 1225.19 | 1191.19 | 1181.19 | 39.33 | | | 1185.86 | |
| MW-6 | 06/10/2008 | 1223.53 | 1225.19 | 1191.19 | 1181.19 | 38.35 | | | 1186.84 | |
| MW-6 | 08/28/2008 | 1223.53 | 1225.19 | 1191.19 | 1181.19 | 38.73 | | | 1186.46 | |
| MW-6 | 12/03/2008 | 1223.53 | 1225.19 | 1191.19 | 1181.19 | 38.62 | | | 1186.57 | |
| MW-6 | 03/25/2009 | 1223.53 | 1225.19 | 1191.19 | 1181.19 | 38.72 | | | 1186.47 | |
| MW-6 | 03/31/2009 | 1223.53 | 1225.19 | 1191.19 | 1181.19 | 38.88 | | | 1186.31 | |
| MW-6 | 04/08/2009 | 1223.53 | 1225.19 | 1191.19 | 1181.19 | 38.84 | | | 1186.35 | |
| MW-6 | 04/13/2009 | 1223.53 | 1225.19 | 1191.19 | 1181.19 | 39.04 | | | 1186.15 | |
| MW-6 | 05/12/2009 | 1223.53 | 1225.19 | 1191.19 | 1181.19 | 39.03 | | | 1186.16 | |
| 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 | |

Table 2
Ground Water Elevations/Product Thickness
Enbridge Energy MP85
Reichel Road, Town of Murry, Rusk County, Wisconsin
WDNR BRRS# 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 | 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 | |
| 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-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 |

Table 2
Ground Water Elevations/Product Thickness
Enbridge Energy MP85
Reichel Road, Town of Murry, Rusk County, Wisconsin
WDNR BRRS# 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 | 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 |
| 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 | 3 | | | | |

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 | 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 |
| <hr/> | | | | | | | | | | |
| 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 | |
| <hr/> | | | | | | | | | | |
| MW-8 | 6/12/2007 | 1226.17 | 1227.68 | 1191.68 | 1181.68 | 41.04 | | | 1186.64 | |
| MW-8 | 6/21/2007 | 1226.17 | 1227.68 | 1191.68 | 1181.68 | 41.12 | | | 1186.56 | |
| MW-8 | 7/2/2007 | 1226.17 | 1227.68 | 1191.68 | 1181.68 | 41.28 | | | 1186.40 | |
| MW-8 | 7/11/2007 | 1226.17 | 1227.68 | 1191.68 | 1181.68 | 41.28 | | | 1186.40 | |
| MW-8 | 7/24/2007 | 1226.17 | 1227.68 | 1191.68 | 1181.68 | 41.33 | | | 1186.35 | |
| MW-8 | 8/2/2007 | 1226.17 | 1227.68 | 1191.68 | 1181.68 | 41.36 | | | 1186.32 | |
| MW-8 | 8/9/2007 | 1226.17 | 1227.68 | 1191.68 | 1181.68 | 41.40 | | | 1186.28 | |
| MW-8 | 10/17/2007 | 1226.17 | 1227.68 | 1191.68 | 1181.68 | 40.92 | | | 1186.76 | |
| MW-8 | 11/9/2007 | 1226.17 | 1227.68 | 1191.68 | 1181.68 | 41.01 | | | 1186.67 | |
| MW-8 | 12/3/2007 | 1226.17 | 1227.68 | 1191.68 | 1181.68 | 41.04 | | | 1186.64 | |
| MW-8 | 1/14/2008 | 1226.17 | 1227.68 | 1191.68 | 1181.68 | 41.38 | | | 1186.30 | |
| MW-8 | 2/19/2008 | 1226.17 | 1227.68 | 1191.68 | 1181.68 | 41.58 | | | 1186.10 | |
| MW-8 | 03/11/2008 | 1226.17 | 1227.68 | 1191.68 | 1181.68 | 41.65 | | | 1186.03 | |
| MW-8 | 03/19/2008 | 1226.17 | 1227.68 | 1191.68 | 1181.68 | 41.66 | | | 1186.02 | |
| MW-8 | 03/24/2008 | 1226.17 | 1227.68 | 1191.68 | 1181.68 | 41.61 | | | 1186.07 | |
| MW-8 | 04/01/2008 | 1226.17 | 1227.68 | 1191.68 | 1181.68 | 41.52 | | | 1186.16 | |
| MW-8 | 06/10/2008 | 1226.17 | 1227.68 | 1191.68 | 1181.68 | 40.51 | | | 1187.17 | |
| MW-8 | 08/28/2008 | 1226.17 | 1227.68 | 1191.68 | 1181.68 | 40.84 | | | 1186.84 | |
| MW-8 | 12/03/2008 | 1226.17 | 1227.68 | 1191.68 | 1181.68 | 40.63 | | | 1187.05 | |
| MW-8 | 03/25/2009 | 1226.17 | 1227.68 | 1191.68 | 1181.68 | 41.97 | | | 1185.71 | |
| MW-8 | 06/24/2009 | 1226.17 | 1227.68 | 1191.68 | 1181.68 | 41.47 | | | 1186.21 | |
| MW-8 | 9/15/2009 | 1226.17 | 1227.68 | 1191.68 | 1181.68 | 41.87 | | | 1185.81 | |
| MW-8 | 12/7/2009 | 1226.17 | 1227.68 | 1191.68 | 1181.68 | 41.88 | | | 1185.80 | |
| MW-8 | 3/29/2010 | 1226.17 | 1227.68 | 1191.68 | 1181.68 | 41.32 | | | 1186.36 | |
| MW-8 | 6/24/2010 | 1226.17 | 1227.68 | 1191.68 | 1181.68 | 41.14 | | | 1186.54 | |
| MW-8 | 9/27/2010 | 1226.17 | 1227.68 | 1191.68 | 1181.68 | 40.25 | | | 1187.43 | |
| MW-8 | 12/28/2010 | 1226.17 | 1227.68 | 1191.68 | 1181.68 | 40.30 | | | 1187.38 | |
| MW-8 | 3/24/2011 | 1226.17 | 1227.68 | 1191.68 | 1181.68 | 40.21 | | | 1187.47 | |
| MW-8 | 6/23/2011 | 1226.17 | 1227.68 | 1191.68 | 1181.68 | 39.73 | | | 1187.95 | |
| MW-8 | 10/11/2011 | 1226.17 | 1227.68 | 1191.68 | 1181.68 | 40.21 | | | 1187.47 | |
| MW-8 | 12/19/2011 | 1226.17 | 1227.68 | 1191.68 | 1181.68 | 40.60 | | | 1187.08 | |
| MW-8 | 3/26/2012 | 1226.17 | 1227.68 | 1191.68 | 1181.68 | 40.23 | | | 1187.45 | |
| MW-8 | 6/19/2012 | 1226.17 | 1227.68 | 1191.68 | 1181.68 | 40.01 | | | 1187.67 | |
| MW-8 | 9/25/2012 | 1226.17 | 1227.68 | 1191.68 | 1181.68 | 40.99 | | | 1186.69 | |
| MW-8 | 12/17/2012 | 1226.17 | 1227.68 | 1191.68 | 1181.68 | 40.81 | | | 1186.87 | |
| <hr/> | | | | | | | | | | |
| 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 | |

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

| Location | Date | Ground Surface Elevation | Top of Riser Elevation | Top of Screen Elevation | Bottom of Screen Elevation | Depth to Water (TOR) | Depth to Product | Product Thickness | Ground Water Elevation | Product Elevation |
|----------|------------|--------------------------|------------------------|-------------------------|----------------------------|----------------------|------------------|-------------------|------------------------|-------------------|
| MW-9 | 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 | 1/2/2013 | 1224.09 | 1225.67 | 1190.67 | 1180.67 | NC | | | #VALUE! | |
| <hr/> | | | | | | | | | | |
| MW-10 | 5/29/2007 | 1223.52 | 1225.30 | 1186.80 | 1176.80 | 38.50 | | | 1186.80 | |
| MW-10 | 6/12/2007 | 1223.52 | 1225.30 | 1186.80 | 1176.80 | 38.50 | | | 1186.80 | |
| MW-10 | 6/21/2007 | 1223.52 | 1225.30 | 1186.80 | 1176.80 | 38.59 | | | 1186.71 | |
| MW-10 | 7/2/2007 | 1223.52 | 1225.30 | 1186.80 | 1176.80 | 38.76 | | | 1186.54 | |
| MW-10 | 7/11/2007 | 1223.52 | 1225.30 | 1186.80 | 1176.80 | 38.74 | | | 1186.56 | |
| MW-10 | 7/24/2007 | 1223.52 | 1225.30 | 1186.80 | 1176.80 | 38.81 | | | 1186.49 | |
| MW-10 | 8/2/2007 | 1223.52 | 1225.30 | 1186.80 | 1176.80 | 38.82 | | | 1186.48 | |
| MW-10 | 8/9/2007 | 1223.52 | 1225.30 | 1186.80 | 1176.80 | 38.86 | | | 1186.44 | |
| MW-10 | 10/17/2007 | 1223.52 | 1225.30 | 1186.80 | 1176.80 | 38.39 | | | 1186.91 | |
| MW-10 | 11/9/2007 | 1223.52 | 1225.30 | 1186.80 | 1176.80 | 38.48 | | | 1186.82 | |
| MW-10 | 12/3/2007 | 1223.52 | 1225.30 | 1186.80 | 1176.80 | 38.48 | | | 1186.82 | |
| MW-10 | 1/14/2008 | 1223.52 | 1225.30 | 1186.80 | 1176.80 | 38.80 | | | 1186.50 | |
| MW-10 | 2/19/2008 | 1223.52 | 1225.30 | 1186.80 | 1176.80 | 38.98 | | | 1186.32 | |
| MW-10 | 03/24/2008 | 1223.52 | 1225.30 | 1186.80 | 1176.80 | 39.06 | | | 1186.24 | |
| MW-10 | 04/01/2008 | 1223.52 | 1225.30 | 1186.80 | 1176.80 | 39.01 | | | 1186.29 | |
| MW-10 | 06/10/2008 | 1223.52 | 1225.30 | 1186.80 | 1176.80 | 37.95 | | | 1187.35 | |
| MW-10 | Abandoned | | | | | | | | | |
| <hr/> | | | | | | | | | | |
| 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</ | | | | | | |

Table 2
 Ground Water Elevations/Product Thickness
 Enbridge Energy MP85
 Reichel Road, Town of Murry, Rusk County, Wisconsin
 WDNR BRRS# 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 | 8/3/2010 | 1224.81 | 1226.87 | 1190.87 | 1180.87 | 40.11 | | | 1186.76 | |
| MW-11 | 8/16/2010 | 1224.81 | 1226.87 | 1190.87 | 1180.87 | 39.77 | | | 1187.10 | |
| MW-11 | 8/31/2010 | 1224.81 | 1226.87 | 1190.87 | 1180.87 | 39.99 | | | 1186.88 | |
| MW-11 | 9/14/2010 | 1224.81 | 1226.87 | 1190.87 | 1180.87 | 40.01 | | | 1186.86 | |
| MW-11 | 9/27/2010 | 1224.81 | 1226.87 | 1190.87 | 1180.87 | 39.48 | | | 1187.39 | |
| MW-11 | 10/12/2010 | 1224.81 | 1226.87 | 1190.87 | 1180.87 | 39.76 | | | 1187.11 | |
| MW-11 | 10/25/2010 | 1224.81 | 1226.87 | 1190.87 | 1180.87 | 39.70 | | | 1187.17 | |
| MW-11 | 11/9/2010 | 1224.81 | 1226.87 | 1190.87 | 1180.87 | 39.30 | | | 1187.57 | |
| MW-11 | 11/30/2010 | 1224.81 | 1226.87 | 1190.87 | 1180.87 | 39.29 | | | 1187.58 | |
| MW-11 | 12/16/2010 | 1224.81 | 1226.87 | 1190.87 | 1180.87 | 39.36 | | | 1187.51 | |
| MW-11 | 12/28/2010 | 1224.81 | 1226.87 | 1190.87 | 1180.87 | 39.37 | | | 1187.50 | |
| MW-11 | 1/25/2011 | 1224.81 | 1226.87 | 1190.87 | 1180.87 | 39.52 | | | 1187.35 | |
| MW-11 | 2/8/2011 | 1224.81 | 1226.87 | 1190.87 | 1180.87 | 39.60 | | | 1187.27 | |
| MW-11 | 2/21/2011 | 1224.81 | 1226.87 | 1190.87 | 1180.87 | 39.62 | | | 1187.25 | |
| MW-11 | 3/8/2011 | 1224.81 | 1226.87 | 1190.87 | 1180.87 | 39.72 | | | 1187.15 | |
| MW-11 | 3/24/2011 | 1224.81 | 1226.87 | 1190.87 | 1180.87 | 39.32 | | | 1187.55 | |
| MW-11 | 4/4/2011 | 1224.81 | 1226.87 | 1190.87 | 1180.87 | 39.30 | | | 1187.57 | |
| MW-11 | 4/26/2011 | 1224.81 | 1226.87 | 1190.87 | 1180.87 | 39.02 | | | 1187.85 | |
| 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-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 | |
| 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 | |

Table 2
 Ground Water Elevations/Product Thickness
 Enbridge Energy MP85
 Reichel Road, Town of Murry, Rusk County, Wisconsin
 WDNR BRRS# 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 | 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 | |
| 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-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-14 | 7/25/2007 | 1222.93 | 1225.20 | 1189.70 | 1179.70 | 39.21 | | | 1185.99 | |
| MW-14 | 8/2/2007 | 1222.93 | 1225.20 | 1189.70 | 1179.70 | 39.22 | | | 1185.98 | |
| MW-14 | 8/9/2007 | 1222.93 | 1225.20 | 1189.70 | 1179.70 | 39.28 | | | 1185.92 | |
| MW-14 | 10/17/2007 | 1222.93 | 1225.20 | 1189.70 | 1179.70 | 38.79 | | | 1186.41 | |
| MW-14 | 11/9/2007 | 1222.93 | 1225.20 | 1189.70 | 1179.70 | 38.87 | | | 1186.33 | |
| MW-14 | 12/3/2007 | 1222.93 | 1225.20 | 1189.70 | 1179.70 | 38.90 | | | 1186.30 | |
| MW-14 | 1/14/2008 | 1222.93 | 1225.20 | 1189.70 | 1179.70 | 39.26 | | | 1185.94 | |
| MW-14 | 2/19/2008 | 1222.93 | 1225.20 | 1189.70 | 1179.70 | 39.40 | | | 1185.80 | |
| MW-14 | 03/11/2008 | 1222.93 | 1225.20 | 1189.70 | 1179.70 | 39.45 | | | 1185.75 | |
| MW-14 | 03/19/2008 | 1222.93 | 1225.20 | 1189.70 | 1179.70 | 39.49 | | | 1185.71 | |
| MW-14 | 03/24/2008 | 1222.93 | 1225.20 | 1189.70 | 1179.70 | 39.46 | | | 1185.74 | |
| MW-14 | 04/01/2008 | 1222.93 | 1225.20 | 1189.70 | 1179.70 | 39.37 | | | 1185.83 | |
| MW-14 | 06/10/2008 | 1222.93 | 1225.20 | 1189.70 | 1179.70 | 38.37 | | | 1186.83 | |
| MW-14 | 08/28/2008 | 1222.93 | 1225.20 | 1189.70 | 1179.70 | 38.75 | | | 1186.45 | |
| MW-14 | 12/03/2008 | 1222.93 | 1225.20 | 1189.70 | 1179.70 | 38.53 | | | 1186.67 | |
| MW-14 | 03/25/2009 | 1222.93 | 1225.20 | 1189.70 | 1179.70 | 38.86 | | | 1186.34 | |
| MW-14 | 06/24/2009 | 1222.93 | 1225.20 | 1189.70 | 1179.70 | 39.36 | | | 1185.84 | |
| MW-14 | 9/15/2009 | 1222.93 | 1225.20 | 1189.70 | 1179.70 | 39.75 | | | 1185.45 | |
| MW-14 | 12/7/2009 | 1222.93 | 1225.20 | 1189.70 | 1179.70 | 39.72 | | | 1185.48 | |
| MW-14 | 3/29/2010 | 1222.93 | 1225.20 | 1189.70 | 1179.70 | 39.18 | | | 1186.02 | |
| MW-14 | 6/24/2010 | 1222.93 | 1225.20 | 1189.70 | 1179.70 | 39.10 | | | 1186.10 | |
| MW-14 | 9/27/2010 | 1222.93 | 1225.20 | 1189.70 | 1179.70 | 38.18 | | | 1187.02 | |
| MW-14 | 12/28/2010 | 1222.93 | 1225.20 | 1189.70 | 1179.70 | 38.17 | | | 1187.03 | |
| MW-14 | 3/24/2011 | 1222.93 | 1225.20 | 1189.70 | 1179.70 | 38.13 | | | 1187.07 | |
| MW-14 | 6/23/2011 | 1222.93 | 1225.20 | 1189.70 | 1179.70 | 37.65 | | | 1187.55 | |
| MW-14 | 10/11/2011 | 1222.93 | 1225.20 | 1189.70 | 1179.70 | 38.06 | | | 1187.14 | |

Table 2
 Ground Water Elevations/Product Thickness
 Enbridge Energy MP85
 Reichel Road, Town of Murry, Rusk County, Wisconsin
 WDNR BRRS# 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 | 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-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 | |
| 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 | |

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 | 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 | |
| <hr/> | | | | | | | | | | |
| MW-15D | 03/24/2008 | 1221.20 | 1223.46 | 1155.96 | 1150.96 | 39.00 | | | 1184.46 | |
| MW-15D | 04/01/2008 | 1221.20 | 1223.46 | 1155.96 | 1150.96 | 38.81 | | | 1184.65 | |
| MW-15D | 06/10/2008 | 1221.20 | 1223.46 | 1155.96 | 1150.96 | 37.39 | | | 1186.07 | |
| MW-15D | 08/28/2008 | 1221.20 | 1223.46 | 1155.96 | 1150.96 | 38.40 | | | 1185.06 | |
| MW-15D | 12/03/2008 | 1221.20 | 1223.46 | 1155.96 | 1150.96 | 38.00 | | | 1185.46 | |
| MW-15D | 03/25/2009 | 1221.20 | 1223.46 | 1155.96 | 1150.96 | 38.22 | | | 1185.24 | |
| MW-15D | 06/24/2009 | 1221.20 | 1223.46 | 1155.96 | 1150.96 | 38.91 | | | 1184.55 | |
| MW-15D | 9/15/2009 | 1221.20 | 1223.46 | 1155.96 | 1150.96 | 39.27 | | | 1184.19 | |
| MW-15D | 12/7/2009 | 1221.20 | 1223.46 | 1155.96 | 1150.96 | 39.20 | | | 1184.26 | |
| MW-15D | 3/29/2010 | 1221.20 | 1223.46 | 1155.96 | 1150.96 | 38.66 | | | 1184.80 | |
| MW-15D | 6/24/2010 | 1221.20 | 1223.46 | 1155.96 | 1150.96 | 38.40 | | | 1185.06 | |
| MW-15D | 9/27/2010 | 1221.20 | 1223.46 | 1155.96 | 1150.96 | 37.78 | | | 1185.68 | |
| MW-15D | 12/28/2010 | 1221.20 | 1223.46 | 1155.96 | 1150.96 | 38.06 | | | 1185.40 | |
| MW-15D | 3/24/2011 | 1221.20 | 1223.46 | 1155.96 | 1150.96 | 37.93 | | | 1185.53 | |
| MW-15D | 6/23/2011 | 1221.20 | 1223.46 | 1155.96 | 1150.96 | 37.44 | | | 1186.02 | |
| MW-15D | 10/11/2011 | 1221.20 | 1223.46 | 1155.96 | 1150.96 | 37.89 | | | 1185.57 | |
| MW-15D | 12/19/2011 | 1221.20 | 1223.46 | 1155.96 | 1150.96 | 38.02 | | | 1185.44 | |
| MW-15D | 3/26/2012 | 1221.20 | 1223.46 | 1155.96 | 1150.96 | 37.79 | | | 1185.67 | |
| MW-15D | 6/19/2012 | 1221.20 | 1223.46 | 1155.96 | 1150.96 | 37.97 | | | 1185.49 | |
| MW-15D | 9/25/2012 | 1221.20 | 1223.46 | 1155.96 | 1150.96 | 38.55 | | | 1184.91 | |
| MW-15D | 12/17/2012 | 1221.20 | 1223.46 | 1155.96 | 1150.96 | 38.19 | | | 1185.27 | |
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| 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 | |
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| MW-17 | 10/17/2007 | 1188.77 | 1190.88 | 1182.38 | 1172.38 | 5.66 | | | 1185.22 | |
| MW-17 | 11/9/2007 | 1188.77 | 1190.88 | 1182.38 | 1172.38 | 5.99 | | | 1184.89 | |
| MW-17 | 12/3/2007 | 1188.77 | 1190.88 | 1182.38 | 1172.38 | 6.20 | | | 1184.68 | |
| MW-17 | 1/14/2008 | 1188.77 | 1190.88 | 1182.38 | 1172.38 | 6.48 | | | 1184.40 | |
| MW-17 | 2/19/2008 | 1188.77 | 1190.88 | 1182.38 | 1172.38 | 6.45 | | | 1184.43 | |
| MW-17 | 03/11/2008 | 1188.77 | 1190.88 | 1182.38 | 1172.38 | 6.46 | | | 1184.42 | |
| MW-17 | 03/19/2008 | 1188.77 | 1190.88 | 1182.38 | 1172.38 | 6.38 | | | 1184.50 | |
| MW-17 | 03/24/2008 | 1188.77 | 1190.88 | 1182.38 | 1172.38 | 6.33 | | | 1184.55 | |
| MW-17 | 04/01/2008 | 1188.77 | 1190.88 | 1182.38 | 1172.38 | 5.56 | | | 1185.32 | |
| MW-17 | 04/08/2008 | 1188.77 | 1190.88 | 1182.38 | 1172.38 | 1.40 | | | 1189.48 | |
| MW-17 | 11/19/2008 | 1188.77 | 1190.88 | 1182.38 | 1172.38 | 6.45 | | | 1184.43 | |
| MW-17 | 12/03/2008 | 1188.77 | 1190.88 | 1182.38 | 1172.38 | 6.26 | | | 1184.62 | |
| MW-17 | 03/25/2009 | 1188.77 | 1190.88 | 1182.38 | 1172.38 | 5.23 | | | 1185.65 | |
| MW-17 | 06/24/2009 | 1188.77 | 1190.88 | 1182.38 | 1172.38 | 6.41 | | | 1184.47 | |
| MW-17 | 9/15/2009 | 1188.77 | 1190.88 | 1182.38 | 1172.38 | 6.65 | | | 1184.23 | |
| MW-17 | 12/7/2009 | 1188.77 | 1190.88 | 1182.38 | 1172.38 | 6.58 | | | 1184.30 | |
| MW-17 | 3/30/2010 | 1188.77 | 1190.88 | 1182.38 | 1172.38 | 6.11 | | | 1184.77 | |
| MW-17 | 6/24/2010 | 1188.77 | 1190.88 | 1182.38 | 1172.38 | 5.57 | | | 1185.31 | |
| MW-17 | 9/27/2010 | 1188.77 | 1190.88 | 1182.38 | 1172.38 | 4.98 | | | 1185.90 | |
| 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 | |
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| 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 | |

Table 2
 Ground Water Elevations/Product Thickness
 Enbridge Energy MP85
 Reichel Road, Town of Murry, Rusk County, Wisconsin
 WDNR BRRS# 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-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 | |

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|------|------------|---------|---------|---------|---------|-------|-------|------|---------|---------|
| 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 | |
| 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 | |

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|------|------------|---------|---------|---------|---------|-------|-------|------|---------|---------|
| 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 | | | 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 | | | | | |

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

| Location | Date | Ground Surface Elevation | Top of Riser Elevation | Top of Screen Elevation | Bottom of Screen Elevation | Depth to Water (TOR) | Depth to Product | Product Thickness | Ground Water Elevation | Product Elevation |
|----------|------------|--------------------------|------------------------|-------------------------|----------------------------|----------------------|------------------|-------------------|------------------------|-------------------|
| RW-2 | 6/30/2009 | 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 | |
| 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-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 | |

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

| Location | Date | Ground Surface Elevation | Top of Riser Elevation | Top of Screen Elevation | Bottom of Screen Elevation | Depth to Water (TOR) | Depth to Product | Product Thickness | Ground Water Elevation | Product Elevation |
|----------|------------|--------------------------|------------------------|-------------------------|----------------------------|----------------------|------------------|-------------------|------------------------|-------------------|
| RW-3 | 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 | |
| <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 | |
| 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 | |
| <hr/> | | | | | | | | | | |
| 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 | |
| <hr/> | | | | | | | | | | |
| 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 | |
| <hr/> | | | | | | | | | | |
| MW-22 | 02/28/2008 | 1188.14 | 1190.56 | 1185.56 | 1175.06 | 7.05 | | | 1183.51 | |
| MW-22 | 03/11/2008 | 1188.14 | 1190.56 | 1185.56 | 1175.06 | 7.19 | | | 1183.37 | |
| MW-22 | 03/19/2008 | 1188.14 | 1190.56 | 1185.56 | 1175.06 | 7.03 | | | 1183.53 | |
| MW-22 | 03/24/2008 | 1188.14 | 1190.56 | 1185.56 | 1175.06 | 7.06 | | | 1183.50 | |
| MW-22 | 04/01/2008 | 1188.14 | 1190.56 | 1185.56 | 1175.06 | 6.76 | | | 1183.80 | |
| MW-22 | 04/23/2008 | 1188.14 | 1190.56 | 1185.56 | 1175.06 | 5.85 | | | 1184.71 | |
| MW-22 | 06/10/2008 | 1188.14 | 1190.56 | 1185.56 | 1175.06 | 6.17 | | | 1184.39 | |
| MW-22 | 08/28/2008 | 1188.14 | 1190.56 | 1185.56 | 1175.06 | 6.78 | | | 1183.78 | |
| MW-22 | 12/03/2008 | 1188.14 | 1190.56 | 1185.56 | 1175.06 | 6.19 | | | 1184.37 | |
| MW-22 | 03/25/2009 | 1188.14 | 1190.56 | 1185.56 | 1175.06 | 6.02 | | | 1184.54 | |
| MW-22 | 06/24/2009 | 1188.14 | 1190.56 | 1185.56 | 1175.06 | 7.14 | | | 1183.42 | |
| MW-22 | 9/15/2009 | 1188.14 | 1190.56 | 1185.56 | 1175.06 | 7.47 | | | 1183.09 | |

Table 2
Ground Water Elevations/Product Thickness
Enbridge Energy MP85
Reichel Road, Town of Murry, Rusk County, Wisconsin
WDNR BRRS# 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 | 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-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 | | | 1182.63 | |
| 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-24 | 02/26/2008 | 1185.60 | 1187.73 | 1183.73 | 1173.73 | 5.11 | | | 1182.62 | |
| MW-24 | 03/11/2008 | 1185.60 | 1187.73 | 1183.73 | 1173.73 | 5.22 | | | 1182.51 | |
| MW-24 | 03/19/2008 | 1185.60 | 1187.73 | 1183.73 | 1173.73 | 5.17 | | | 1182.56 | |
| MW-24 | 03/24/2008 | 1185.60 | 1187.73 | 1183.73 | 1173.73 | 5.17 | | | 1182.56 | |
| MW-24 | 04/01/2008 | 1185.60 | 1187.73 | 1183.73 | 1173.73 | 4.98 | | | 1182.75 | |
| MW-24 | 04/08/2008 | 1185.60 | 1187.73 | 1183.73 | 1173.73 | 3.67 | | | 1184.06 | |
| MW-24 | 04/09/2008 | 1185.60 | 1187.73 | 1183.73 | 1173.73 | 4.14 | | | 1183.59 | |
| MW-24 | 04/23/2008 | 1185.60 | 1187.73 | 1183.73 | 1173.73 | 4.26 | | | 1183.47 | |
| MW-24 | 05/03/2008 | 1185.60 | 1187.73 | 1183.73 | 1173.73 | 3.98 | | | 1183.75 | |
| MW-24 | 06/10/2008 | 1185.60 | 1187.73 | 1183.73 | 1173.73 | 4.74 | | | 1182.99 | |
| MW-24 | 08/28/2008 | 1185.60 | 1187.73 | 1183.73 | 1173.73 | 5.22 | | | 1182.51 | |
| MW-24 | 12/03/2008 | 1185.60 | 1187.73 | 1183.73 | 1173.73 | 4.43 | | | 1183.30 | |
| MW-24 | 03/25/2009 | 1185.60 | 1187.73 | 1183.73 | 1173.73 | 4.16 | | | 1183.57 | |
| MW-24 | 06/24/2009 | 1185.60 | 1187.73 | 1183.73 | 1173.73 | 5.61 | | | 1182.12 | |
| MW-24 | 9/15/2009 | 1185.60 | 1187.73 | 1183.73 | 1173.73 | 5.83 | | | 1181.90 | |
| MW-24 | 12/7/2009 | 1185.60 | 1187.73 | 1183.73 | 1173.73 | 5.72 | | | 1182.01 | |
| MW-24 | 3/29/2010 | 1185.60 | 1187.73 | 1183.73 | 1173.73 | 3.45 | | | 1184.28 | |
| MW-24 | 6/24/2010 | 1185.60 | 1187.73 | 1183.73 | 1173.73 | 4.32 | | | 1183.41 | |
| MW-24 | 9/27/2010 | 1185.60 | 1187.73 | 1183.73 | 1173.73 | 4.60 | | | 1183.13 | |
| MW-24 | 12/28/2010 | 1185.60 | 1187.73 | 1183.73 | 1173.73 | 5.27 | | | 1182.46 | |
| MW-24 | 3/24/2011 | 1185.60 | 1187.73 | 1183.73 | 1173.73 | 4.33 | | | 1183.40 | |
| MW-24 | 6/23/2011 | 1185.60 | 1187.73 | 1183.73 | 1173.73 | 4.46 | | | 1183.27 | |
| MW-24 | 10/11/2011 | 1185.60 | 1187.73 | 1183.73 | 1173.73 | 4.95 | | | 1182.78 | |
| MW-24 | 12/19/2011 | 1185.60 | 1187.73 | 1183.73 | 1173.73 | 4.77 | | | 1182.96 | |
| MW-24 | 3/26/2012 | 1185.60 | 1187.73 | 1183.73 | 1173.73 | 4.54 | | | 1183.19 | |
| MW-24 | 6/19/2012 | 1185.60 | 1187.73 | 1183.73 | 1173.73 | 4.67 | | | 1183.06 | |
| MW-24 | 9/25/2012 | 1185.60 | 1187.73 | 1183.73 | 1173.73 | 5.30 | | | 1182.43 | |
| MW-24 | 12/17/2012 | 1185.60 | 1187.73 | 1183.73 | 1173.73 | 4.65 | | | 1183.08 | |
| MW-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-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 | |

Table 2
Ground Water Elevations/Product Thickness
Enbridge Energy MP85
Reichel Road, Town of Murry, Rusk County, Wisconsin
WDNR BRRS# 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 | 05/03/2008 | 1188.38 | 1190.44 | 1184.94 | 1174.94 | 4.99 | | | 1185.45 | |
| MW-25 | 06/10/2008 | 1188.38 | 1190.44 | 1184.94 | 1174.94 | 5.30 | | | 1185.14 | |
| MW-25 | 08/28/2008 | 1188.38 | 1190.44 | 1184.94 | 1174.94 | 6.19 | | | 1184.25 | |
| MW-25 | 12/03/2008 | 1188.38 | 1190.44 | 1184.94 | 1174.94 | 5.92 | | | 1184.52 | |
| MW-25 | 03/25/2009 | 1188.38 | 1190.44 | 1184.94 | 1174.94 | 5.69 | | | 1184.75 | |
| MW-25 | 06/24/2009 | 1188.38 | 1190.44 | 1184.94 | 1174.94 | 6.82 | | | 1183.62 | |
| MW-25 | 9/15/2009 | 1188.38 | 1190.44 | 1184.94 | 1174.94 | 7.13 | | | 1183.31 | |
| MW-25 | 12/7/2009 | 1188.38 | 1190.44 | 1184.94 | 1174.94 | 7.00 | | | 1183.44 | |
| MW-25 | 3/29/2010 | 1188.38 | 1190.44 | 1184.94 | 1174.94 | 6.48 | | | 1183.96 | |
| MW-25 | 6/24/2010 | 1188.38 | 1190.44 | 1184.94 | 1174.94 | 6.15 | | | 1184.29 | |
| MW-25 | 9/27/2010 | 1188.38 | 1190.44 | 1184.94 | 1174.94 | 6.24 | | | 1184.20 | |
| MW-25 | 12/28/2010 | 1188.38 | 1190.44 | 1184.94 | 1174.94 | 6.11 | | | 1184.33 | |
| MW-25 | 3/24/2011 | 1188.38 | 1190.44 | 1184.94 | 1174.94 | 5.51 | | | 1184.93 | |
| MW-25 | 6/23/2011 | 1188.38 | 1190.44 | 1184.94 | 1174.94 | 5.52 | | | 1184.92 | |
| MW-25 | 10/11/2011 | 1188.38 | 1190.44 | 1184.94 | 1174.94 | 6.11 | | | 1184.33 | |
| MW-25 | 12/19/2011 | 1188.38 | 1190.44 | 1184.94 | 1174.94 | 6.05 | | | 1184.39 | |
| MW-25 | 3/26/2012 | 1188.38 | 1190.44 | 1184.94 | 1174.94 | 5.56 | | | 1184.88 | |
| MW-25 | 6/19/2012 | 1188.38 | 1190.44 | 1184.94 | 1174.94 | 6.00 | | | 1184.44 | |
| MW-25 | 9/25/2012 | 1188.38 | 1190.44 | 1184.94 | 1174.94 | 6.53 | | | 1183.91 | |
| MW-25 | 12/17/2012 | 1188.38 | 1190.44 | 1184.94 | 1174.94 | 6.03 | | | 1184.41 | |
| | | | | | | | | | | |
| MW-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 | 1/2/2013 | 1189.22 | 1191.31 | 1186.81 | 1176.81 | NC | | | #VALUE! | |
| | | | | | | | | | | |
| 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 | 1/2/2013 | 1189.48 | 1191.76 | 1185.76 | 1175.76 | NC | | | #VALUE! | |
| | | | | | | | | | | |
| 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 | |

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

| Location | Date | Ground Surface Elevation | Top of Riser Elevation | Top of Screen Elevation | Bottom of Screen Elevation | Depth to Water (TOR) | Depth to Product | Product Thickness | Ground Water Elevation | Product Elevation |
|----------|------------|--------------------------|------------------------|-------------------------|----------------------------|----------------------|------------------|-------------------|------------------------|-------------------|
| MW-28 | 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 | |
| <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 | |
| <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 | |
| 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 | |
| <hr/> | | | | | | | | | | |
| 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 | |
| <hr/> | | | | | | | | | | |
| 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 | |

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 | 7/7/2011 | 1220.5 | 1222.67 | 1188.17 | 1178.17 | 37.79 | | | 1184.88 | |
| MW-32 | 7/28/2011 | 1220.5 | 1222.67 | 1188.17 | 1178.17 | 37.80 | | | 1184.87 | |
| MW-32 | 8/15/2011 | 1220.5 | 1222.67 | 1188.17 | 1178.17 | 37.80 | | | 1184.87 | |
| MW-32 | 10/11/2011 | 1220.5 | 1222.67 | 1188.17 | 1178.17 | 36.08 | | | 1186.59 | |
| MW-32 | 12/19/2011 | 1220.5 | 1222.67 | 1188.17 | 1178.17 | 36.28 | | | 1186.39 | |
| MW-32 | 3/26/2012 | 1220.5 | 1222.67 | 1188.17 | 1178.17 | 36.06 | | | 1186.61 | |
| MW-32 | 6/19/2012 | 1220.5 | 1222.67 | 1188.17 | 1178.17 | 36.26 | | | 1186.41 | |
| MW-32 | 9/25/2012 | 1220.5 | 1222.67 | 1188.17 | 1178.17 | 36.82 | | | 1185.85 | |
| MW-32 | 12/17/2012 | 1220.5 | 1222.67 | 1188.17 | 1178.17 | 36.52 | | | 1186.15 | |
| MW-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 | |
| 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 | 38.59 | | | 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 | |

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 | 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-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 | | Sparge Blower #1 | | Sparge Blower #2 | | Comments | |
|----------|------------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|----------|--|
| | Flow Rate (scfm) | Pressure (psi) | Flow Rate (scfm) | Pressure (psi) | Flow Rate (scfm) | Pressure (psi) | Flow Rate (scfm) | Pressure (psi) | Flow Rate (scfm) | Pressure (psi) | Flow Rate (scfm) | Pressure (psi) | Flow Rate (scfm) | Pressure (psi) | Flow Rate (scfm) | Pressure (psi) | Flow Rate (scfm) | Pressure (psi) | | |
| 04/08/08 | 8.5 | 2.5 | 8.5 | 2.5 | 8.5 | 2.5 | 8.5 | 2.5 | 8.5 | 2.5 | 8.5 | 2.5 | 8.5 | 2.5 | | | | | | |
| 04/15/08 | 9 | | 9 | | 9 | | 9 | | 9 | | 9 | | 9 | | | | | | | |
| 04/21/08 | 8.5 | | 8.5 | | 8.5 | | 8.5 | | 8.5 | | 8.5 | | 8.5 | | | | | | | |
| 04/28/08 | 8 | 3 | 8 | 3 | 8 | 3 | 8 | 3 | 8 | 3 | 8 | 3 | 8 | 3 | | | | | | |
| 05/06/08 | 6.5 | | 6.5 | | 6.5 | | 6.5 | | 6.5 | | 6.5 | | 6.5 | | | | | | | |
| 05/22/08 | 7.5 | 3 | 7.5 | 3 | 7.5 | 3 | 7.5 | 3 | 7.5 | 3 | 7.5 | 3 | 7.5 | 3 | | | | | | |
| 06/04/08 | 7 | 3 | 7 | 3 | 7 | 3 | 7 | 3 | 7 | 3 | 7 | 3 | 7 | 3 | | | | | | |
| 06/27/08 | 3 | 2.8 | 3 | 2.8 | 3 | 2.8 | 3 | 2.8 | 3 | 2.8 | 3 | 2.8 | 3 | 2.8 | | | | | | |
| 07/22/08 | 0 | 0 | 0 | 0 | 3 | 5 | 6 | 5 | 8 | 4 | 7 | 2 | 6 | 2 | -- | 20 | -- | 23 | | |
| 07/23/08 | 0 | 0 | 0 | 0 | 3 | -- | 4 | -- | 5 | -- | 10 | -- | 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 | 0 | 0 | 92 | 21 | | |
| 01/09/09 | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | 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 | | | | | | |
| 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 | | | | | | |
| 07/20/09 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 2.25 | 5.5 | 1.5 | 13 | 3 | 13.5 | 1 | | | | | | |
| 08/04/09 | 2 | 1.5 | 2 | 1 | 1 | 1 | 1 | 2 | 5.5 | 1 | 13 | 2.5 | 13.5 | 1 | | | | | | |
| 08/18/09 | 2 | 1.5 | 1.5 | 1 | 2 | 1 | 1 | 2 | 5 | 2 | 13 | 2 | 14 | 1 | | | | | | |
| 09/11/09 | 11 | 3 | 7 | 3 | 5 | 3 | 1 | 3 | 6 | 2.5 | 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 | | | | | | |
| 09/29/09 | System 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 | | | | | | |

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 | | Sparge Blower #1 | | Sparge Blower #2 | | Comments |
|----------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|-------------------------|
| | Flow Rate (scfm) | Pressure (psi) | Flow Rate (scfm) | Pressure (psi) | Flow Rate (scfm) | Pressure (psi) | Flow Rate (scfm) | Pressure (psi) | Flow Rate (scfm) | Pressure (psi) | Flow Rate (scfm) | Pressure (psi) | Flow Rate (scfm) | Pressure (psi) | Flow Rate (scfm) | Pressure (psi) | Flow Rate (scfm) | Pressure (psi) | |
| 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 | | 5 | | 5 | | 3 | | 5 | | 0 | | 5 | | | | | | |
| 05/10/10 | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | | | | | blower off |
| 05/12/10 | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | | | | | Sparge off at arrival |
| 05/26/10 | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | | | | | sparge blower still off |
| 06/08/10 | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | | | | | |
| 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 | | 7 | | 7 | | 7 | | 7 | | 0 | | 7 | | | | | | |
| 08/12/10 | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | | | | | down 8/12 to 8/16 |
| 08/16/10 | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | | | | | |
| 08/16/10 | 0 | 0 | 7 | 5 | 7 | 5 | 7 | 6 | 7 | 5.5 | 0 | 0 | 7 | 2 | | | | | AS Restarted |
| 08/31/10 | 0 | 0 | 7 | 4 | 7 | 4 | 7 | 4.5 | 7 | 4 | 0 | 0 | 7 | 0 | | | | | |
| 09/14/10 | 0 | 0 | 6.5 | 5 | 6 | 5 | 6 | 5 | 6.5 | 5 | 0 | 0 | 6.5 | 1 | | | | | |
| 09/27/10 | 0 | 0 | 6 | 5 | 6 | 5 | 6 | 5 | 6 | 5 | 0 | 0 | 6 | 1 | | | | | |
| 10/12/10 | 5.5 | 4 | 5.5 | 4 | 5.5 | 4 | 5 | 4.5 | 5.5 | 4.5 | 0 | 0 | 0 | 0 | | | | | |
| 10/25/10 | 6 | 4.5 | 6 | 5 | 6 | 5 | 3 | 5.5 | 6 | 5 | 0 | 0 | 0 | 0 | | | | | |
| 11/09/10 | 6 | 4 | 6 | 5 | 6 | 5 | 4 | 6 | 6 | 5 | 0 | 0 | 0 | 0 | | | | | |
| 11/30/10 | 5 | 5 | 5 | 5 | 5 | 5.25 | 5 | 5.5 | 5 | 5 | 0 | 0 | 0 | 0 | | | | | |
| 12/16/10 | 5 | 5 | 5 | 5 | 5 | 5.28 | 5 | 6 | 5 | 5 | 0 | 0 | 0 | 0 | | | | | |
| 12/18/10 | 5 | | 5 | | 5 | | 5 | | 5 | | 0 | | 0 | | | | | | |
| 12/18/10 | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | | | | | blower off |
| 12/28/10 | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | | | | | blower down for repair |
| 01/12/11 | 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 |

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 | | Sparge Blower #1 | | Sparge Blower #2 | | Comments | |
|----------|--|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|-------------------------|--------------------|
| | Flow Rate (scfm) | Pressure (psi) | Flow Rate (scfm) | Pressure (psi) | Flow Rate (scfm) | Pressure (psi) | Flow Rate (scfm) | Pressure (psi) | Flow Rate (scfm) | Pressure (psi) | Flow Rate (scfm) | Pressure (psi) | Flow Rate (scfm) | Pressure (psi) | Flow Rate (scfm) | Pressure (psi) | Flow Rate (scfm) | Pressure (psi) | | |
| 07/28/11 | 0 | 0 | 0 | 0 | 7 | 5 | 7 | 6 | 7 | 6 | 7 | 2 | 7 | 2 | | | | | adjusted upon departure | |
| 08/15/11 | 0 | 0 | 0 | 0 | 6 | 4 | 5 | 5 | 5 | 5 | 7.5 | 2 | 8 | 1 | | | | | At arrival | |
| 08/15/11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | Shut down for TEST. | |
| 01/10/12 | 5 | 4 | 5 | 4 | 5 | 3 | 5 | 3 | 5 | 3 | 5 | 2.5 | 5 | 0.5 | | | | | System restarted | |
| 01/10/12 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | | | | | adjusted upon departure | |
| 01/24/12 | 5 | 3 | 4 | 3 | 4 | 3 | 6 | 3 | 5 | 3 | 5 | 2 | 5 | 0 | | | | | At arrival | |
| 01/24/12 | 5 | 3 | 5 | 4 | 5 | 3 | 5 | 3 | 5 | 3 | 5 | 2 | 5 | 0 | | | | | adjusted upon departure | |
| 02/06/12 | 5 | 3.5 | 5 | 4 | 5 | 3 | 4 | 3 | 5 | 3 | 5 | 2 | 5 | 0 | | | | | At arrival | |
| 02/06/12 | 5 | 4.5 | 4 | 5.0 | 5 | 4.0 | 5 | 4.0 | 5 | 4.0 | 5 | 2.0 | 5 | 1.0 | | | | | adjusted upon departure | |
| 02/20/12 | 4 | 4 | 5 | 4 | 5 | 3.5 | 4 | 3.5 | 5 | 3 | 5 | 1.5 | 5 | 1 | | | | | At arrival | |
| 02/20/12 | 5 | 5 | 4 | 5 | 5 | 5 | 4.5 | 5 | 5.5 | 4 | 5 | 1 | 5 | 1 | | | | | adjusted upon departure | |
| 03/06/12 | 5 | 3 | 4.5 | 3.5 | 5.0 | 3.0 | 4.0 | 3.0 | 5.0 | 3.0 | 4.0 | 1.0 | 5.0 | 0.5 | | | | | At arrival | |
| 03/06/12 | 5 | 5 | 5 | 5 | 5 | 4.75 | 4 | 4.5 | 5 | 4.0 | 5 | 1.0 | 5 | 1.0 | | | | | adjusted upon departure | |
| 03/26/12 | 5.0 | 3 | 5.0 | 3.5 | 5.0 | 3.0 | 4.0 | 3.0 | 4.5 | 3.0 | 4.0 | 1.0 | 5.0 | 0.5 | | | | | At arrival | |
| 03/26/12 | 5.0 | 4.5 | 5.0 | 4.75 | 5.0 | 4.5 | 4.0 | 4.0 | 5.0 | 4.0 | 5.0 | 2.0 | 5.0 | 2.0 | | | | | adjusted upon departure | |
| 04/10/12 | 5 | 4 | 4 | 4 | 5.5 | 4 | 3 | 4 | 5 | 3 | 5 | 2 | 5.25 | 1 | | | | | At arrival | |
| 04/10/12 | 5 | 5.0 | 5 | 5.5 | 5 | 5.0 | 4 | 5.0 | 5 | 4.0 | 5 | 2.0 | 5 | 3.0 | | | | | adjusted upon departure | |
| 04/23/12 | 4 | 4 | 4 | 4 | 5 | 3 | 3.5 | 3 | 4.5 | 3 | 5 | 2 | 5 | 1.5 | | | | | At arrival | |
| 04/23/12 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 4 | 5 | 2 | 5 | 3 | | | | | adjusted upon departure | |
| 05/07/12 | 5.5 | 4 | 5 | 4 | 4 | 3 | 2 | 3.5 | 4.5 | 3 | 4.5 | 2 | 5 | 2 | | | | | At arrival | |
| 05/07/12 | 4 | 4.5 | 4 | 5 | 4 | 4.5 | 3 | 4 | 4 | 4 | 5 | 2.5 | 5 | 3 | | | | | adjusted upon departure | |
| 05/22/12 | 4 | 4 | 4 | 4 | 3 | 4 | 2 | 4 | 5 | 4.0 | 6 | 1.5 | 6 | 1.0 | | | | | At arrival | |
| 05/22/12 | 0 | 0 | 0 | 0 | 5 | 4.5 | 5 | 5 | 5 | 5.0 | 5 | 2.0 | 5 | 2.0 | | | | | adjusted upon departure | |
| 06/05/12 | 0 | 0 | 0 | 0 | 8.5 | 6 | 12 | 6 | 2 | 0.0 | 2 | 0 | 2 | 1.0 | | | | | At arrival | |
| 06/05/12 | 5 | 5 | 5 | 5 | 4 | 5 | 4 | 4 | 0 | 0.0 | 5 | 2.0 | 0 | 0 | | | | | adjusted upon departure | |
| 06/19/12 | 6 | 4 | 4 | 4.5 | 4 | 3 | 3 | 3 | 5 | 4.5 | 0 | 0 | 6 | 2 | | | | | At arrival | |
| 06/19/12 | 5 | 4 | 5 | 4.5 | 5 | 3 | 5 | 3 | 5 | 4.5 | 0 | 0 | 5 | 2 | | | | | adjusted upon departure | |
| 07/03/12 | 5 | 5 | 5 | 4 | 4 | 4 | 5 | 4 | 4 | 6 | 0 | 0 | 6 | 0 | | | | | At arrival | |
| 07/03/12 | 5 | 4 | 5 | 4 | 5 | 3 | 3 | 4 | 3 | 5 | 0 | 0 | 5 | 0 | | | | | adjusted upon departure | |
| 07/12/12 | System malfunction - time system was off based on hour meter reading | | | | | | | | | | | | | | | | | | | |
| 07/18/12 | | | | | | | | | | | | | | | | | | | | AS down at arrival |
| 07/30/12 | System repaired and restarted. | | | | | | | | | | | | | | | | | | | |
| 07/30/12 | 6 | 5 | 6 | 5 | 6 | 5 | 6 | 5 | 6 | 5 | 0 | 0 | 6 | 2 | | | | | adjusted upon departure | |
| 08/12/12 | 10 | 4 | 0 | 4 | 13 | 3 | 0 | 0 | 0 | 0 | 7 | 1 | 0 | 0 | | | | | At arrival | |
| 08/12/12 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 0 | 0 | 5 | 5 | 0 | 0 | | | | | adjusted upon departure | |
| 08/29/12 | 6 | 4 | 6 | 4 | 5 | 2 | 5 | 3 | 0 | 0 | 6 | 1 | 0 | 0 | | | | | At arrival | |
| 08/29/12 | 6 | 4 | 6 | 4 | 5 | 2 | 5 | 3 | 0 | 0 | 6 | 1 | 0 | 0 | | | | | adjusted upon departure | |
| 09/12/12 | 6.5 | 4 | 6.5 | 4 | 5.5 | 3 | 5.0 | 4 | 0 | 0 | 5.5 | 5 | 0 | 0 | | | | | At arrival | |
| 09/12/12 | 6.5 | 4 | 6.5 | 4 | 5.5 | 3 | 5.0 | 4 | 0 | 0 | 5.5 | 5 | 0 | 0 | | | | | adjusted upon departure | |
| 09/25/12 | 6 | 4 | 6 | 4 | 5 | 3.5 | 5 | 4 | 0 | 0 | 5.5 | 5.5 | 0 | 0 | | | | | At arrival | |
| 09/25/12 | 6 | 4 | 6 | 4 | 5 | 3.5 | 5 | 4 | 0 | 0 | 5.5 | 5.5 | 0 | 0 | | | | | adjusted upon departure | |
| 10/16/12 | 6 | 4.5 | 6 | 4.5 | 6 | 4.0 | 6 | 5.0 | 0 | 0 | 6 | 0.5 | 0 | 0 | | | | | At arrival | |
| 10/16/12 | 5 | 5.0 | 5 | 5.0 | 5 | 5.0 | 5 | 5.25 | 0 | 0 | 6 | 1.0 | 0 | 0 | | | | | adjusted upon departure | |
| 10/30/12 | 5 | 5 | 5 | 4 | 6 | 4 | 6 | 5 | 0 | 0 | 6 | 0 | 0 | 0 | | | | | At arrival | |
| 10/30/12 | 5 | 5 | 5 | 4 | 6 | 4 | 6 | 5 | 0 | 0 | 6 | 0 | 0 | 0 | | | | | adjusted upon departure | |
| 11/12/12 | 5 | 5 | 5 | 4.5 | 5.5 | 4 | 6 | 5 | 0 | 0 | 6 | 1 | 0 | 0 | | | | | At arrival | |
| 11/12/12 | 5 | 5 | 5 | 4.5 | 5.5 | 4 | 6 | 5 | 0 | 0 | 6 | 1 | 0 | 0 | | | | | adjusted upon departure | |
| 12/04/12 | 5.5 | 6 | 5.0 | 6 | 5.5 | 6 | 6.0 | 7 | 0 | 0.5 | 6.0 | 0 | 0 | 1.5 | | | | | At arrival | |
| 12/04/12 | 5.5 | 6 | 5.0 | 6 | 5.5 | 6 | 6.0 | 7 | 0 | 0 | 6.0 | 0 | 0 | 1.0 | | | | | adjusted upon departure | |
| 12/17/12 | 0 | 0 | 6 | 6 | 0 | 0 | 7 | 6 | 7 | 5 | 0 | 0 | 7 | 2 | | | | | At arrival | |
| 12/17/12 | 5.0 | 6 | 5.5 | 6 | 6 | 5.5 | 6 | 5.5 | 5 | 5.0 | 0 | 0 | 5 | 2 | | | | | adjusted upon departure | |
| 01/02/13 | 5 | 5 | 4 | 5 | 6 | 4 | 4 | 5 | 4.5 | 4 | 0 | 0 | 5 | 1 | | | | | At arrival | |
| 01/02/13 | 6 | 5 | 6 | 5 | 6 | 4 | 6 | 5.25 | 6 | 4.5 | 0 | 0 | 6 | 1 | | | | | adjusted upon departure | |

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 |
|-----------------|------------|---------|------------|--------------------|-----------|-------------|--------------------------|--------------------------|---------|
| SVE #1 | 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 | | | 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 | | | |
| 12/22/2009 | 0 | 18.3 | 2.35 | 8 | | 18 | | | |
| 1/5/2010 | 0 | 18.2 | 2.25 | 8 | | 22 | | | |
| 1/19/2010 | 0 | 18.3 | 2.2 | 6 | | 22 | | | |
| 2/3/2010 | 0 | 18.1 | 2.3 | 6 | | 23 | | | |
| 2/16/2010 | 0 | 18.3 | 2.2 | 16 | | 20 | | | |
| 3/3/2010 | 0 | 18.1 | 2.28 | 10 | | 23 | | | |
| 3/16/2010 | 0 | 19.1 | 1.26 | 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 | | | |

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 |
|-----------------|------------|---------|------------|--------------------|-----------|-------------|--------------------------|-------|---|
| | 3/8/2011 | 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. |
| | 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 | 19.1 | 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 | | |
| | 11/12/2012 | 0 | 19.2 | 1.34 | 0 | | 12.5 | | System shutdown upon departure. |
| | 12/4/2012 | 0 | 19.6 | 0.93 | 0 | | 12 | | |
| | 12/17/2012 | 0 | 19.4 | 1.24 | 0 | | 18 | | |
| | 1/2/2013 | 0 | 19.6 | 1.12 | 0 | | 26 | | |
| | 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 | | | 188 | |
| | 5/6/2008 | 0 | 18.7 | 1.6 | 83.7 | | 0 | 431 | |
| | 5/22/2008 | 0 | 18.9 | 1.7 | 70 | | 27 | 310 | |
| | 6/27/2008 | 0 | 17.2 | 1.1 | 53.9 | | | 119 | |
| | 7/22/2008 | 0 | 19.3 | 1.3 | 56 | | 10 | NM | |
| | 7/23/2008 | | | | | | 10 | | |
| | 7/30/2008 | 0 | 18.6 | 1.2 | 160 | | 9 | 445 | |
| | 8/5/2008 | 0 | 18.5 | 2 | 174 | | 10 | 614 | |
| | 8/12/2008 | 0 | 18.5 | 2 | 118 | | 10 | 552 | |
| | 8/19/2008 | 0 | 18.4 | 2 | 165 | | 10 | 516 | |
| | 8/27/2008 | 0 | 18.5 | 1.9 | 102 | | 10 | 440 | |
| | 9/9/2008 | 0 | 20.2 | 1 | 2 | | 10 | | |
| | 9/16/2008 | 0 | 18.1 | 2 | 120 | | 9.5 | | |
| | 9/24/2008 | 0 | 19.2 | 0 | 13.5 | | 10 | | |
| | 9/30/2008 | 0 | 19.1 | 0 | 131 | | 10 | | |
| | 10/6/2008 | 0 | 19.2 | 1.68 | 43.6 | | 15 | | |
| | 10/14/2008 | 0 | 19 | 1.88 | 44 | | 10 | | |
| | 10/21/2008 | 0 | 18.9 | 1.9 | 77 | | 10 | | |
| | 11/4/2008 | 0 | 18.3 | 2.1 | 166 | | 11 | | |
| | 11/11/2008 | 0 | 18.3 | 2.35 | 14 | | 11.5 | | |
| | 11/19/2008 | 0 | 18.2 | 2.2 | 0.9 | | 11 | | |
| | 12/4/2008 | 0 | 17.4 | 2.2 | 0 | | 11 | | |
| | 12/10/2008 | 0 | 17.8 | 1.82 | 0 | | 10 | | |
| | 1/2/2009 | 0 | 14.8 | 4 | 14 | | 20 | | |
| | 1/20/2009 | | | | | | 24 | | |
| | 1/27/2009 | 0 | 17.5 | 2.6 | 1 | | 25 | | |
| | 2/4/2009 | | | | | | | | CLOSED |
| | 2/17/2009 | | | | | | | | CLOSED |
| | 2/27/2009 | | | | | | | | CLOSED |
| | 3/4/2009 | | | | | | | | CLOSED |
| | 3/11/2009 | | | | | | | | CLOSED |
| | 3/17/2009 | | | | | | | | CLOSED |
| | 3/24/2009 | | | | | | | | CLOSED |
| | 3/31/2009 | 0 | 20 | 1.04 | 1.9 | | 11 | | |
| | 4/8/2009 | | | | | | | | CLOSED |
| | 4/13/2009 | | | | | | | | CLOSED |
| | 4/22/2009 | | | | | | | | CLOSED |
| | 4/29/2009 | | | | | | | | CLOSED |
| | 5/12/2009 | 0 | 19.8 | 1 | 8.3 | | 10.5 | | |
| | 5/19/2009 | 0 | 18 | 1.88 | 1.7 | | 12 | | |
| | 6/3/2009 | 0 | 16.2 | 2.25 | 27.7 | | 10 | | |
| | 6/10/2009 | 0 | 17.2 | 2.55 | 21 | | 10 | | |
| | 6/16/2009 | 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 | | |

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 | 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 | | |
| | 9/1/2009 | 0 | 16.7 | 3.05 | 84 | | 10 | | |
| | 9/15/2009 | 0.07 | 16.8 | 3.4 | 120 | | 10 | | |
| | 9/29/2009 | 0 | 17.6 | 2.7 | 58 | | 10 | | |
| | 10/15/2009 | 0 | 17.4 | 2.8 | 30 | | 10 | | |
| | 10/28/2009 | 0.06 | 17.4 | 2.75 | 23.1 | | 11 | | |
| | 11/11/2009 | 0 | 17.6 | 2.5 | 23.9 | | 11 | | |
| | 12/1/2009 | 0 | 17.9 | 2.15 | 24 | | 9 | | |
| | 12/7/2009 | 0 | 18 | 2.5 | 29 | | 16 | | |
| | 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 | | |
| | 10/12/2010 | 0 | 19.7 | 0.8 | 9 | | 0-10-0 | | Opened for measurement |
| | 10/25/2010 | 0 | 19.6 | 0.85 | 6 | | 0-10-0 | | Opened for measurement |
| | 11/9/2010 | 0 | 19.9 | 0.81 | 6 | | 11-0 | | Opened for measurement |
| | 11/30/2010 | 0 | 19.6 | 0.76 | 3.9 | | 14-0 | | Opened for measurement |
| | 12/16/2010 | 0 | 19.8 | 0.66 | 4 | | 14-0 | | Opened for measurement |
| | 12/28/2010 | 0 | 19.9 | 0.6 | 2.3 | | 15-0 | | |
| | 1/12/2011 | 0 | 19.1 | 0.55 | 0 | | 22 | | Open upon arrival |
| | 1/25/2011 | 0 | 19.6 | 0.91 | 1.5 | | 20 | | |
| | 2/8/2011 | 0 | 18.3 | 0.87 | 0.7 | | 18 | | |
| | 2/21/2011 | 0 | 19.7 | 0.96 | 0 | | 19 | | |
| | 3/8/2011 | 0 | 19.8 | 0.87 | 0 | | 19 | | |
| | 3/24/2011 | 0 | 20.2 | 0.72 | 0 | | 20 | | |
| | 4/4/2011 | 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 | | | |
| 7/5/2012 | 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 | | | |
| 8/1/2012 | 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 | | | |
| 12/4/2012 | 0 | 20.1 | 0.74 | 0 | | 10 | | System shutdown upon departure. | |
| 12/17/2012 | 0 | 20.1 | 0.99 | 0 | | 19 | | | |
| 1/2/2013 | 0 | 20.3 | 0.76 | 0 | | 25 | | | |
| 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 | | |

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

| Sample Location | Date | LEL (%) | Oxygen (%) | Carbon Dioxide (%) | PID (ppm) | Methane (%) | Vacuum (inches of water) | FID | Comment |
|-----------------|------------|---------|------------|--------------------|-----------|-------------|--------------------------|------|--------------------------|
| SVE #3 | 8/5/2008 | 5 | 19.7 | 1.4 | 230 | | 10 | 1392 | |
| | 8/12/2008 | 2 | 19.8 | 1.4 | 124 | | 10 | 907 | |
| | 8/19/2008 | 0 | 19.8 | 1.2 | 170 | | 10 | 880 | |
| | 8/27/2008 | 0 | 19.7 | 1.3 | 224 | | 10 | 1472 | |
| | 9/9/2008 | 0 | 20.2 | 1 | 2 | | 10 | | |
| | 9/16/2008 | 0 | 18.3 | 1 | 109 | | 10 | | |
| | 9/24/2008 | 0 | 18.9 | 1 | 43 | | 10 | | |
| | 9/30/2008 | 0 | 20.1 | 0 | 138 | | 10 | | |
| | 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 | | |
| | 1/29/2009 | | | | | | 24 | | |
| | 1/27/2009 | 0 | 20.2 | 0.84 | 7 | | 25 | | |
| | 2/4/2009 | | | | | | | | CLOSED |
| | 2/17/2009 | | | | | | | | CLOSED |
| | 2/27/2009 | | | | | | | | CLOSED |
| | 3/4/2009 | | | | | | | | CLOSED |
| | 3/11/2009 | | | | | | | | CLOSED |
| | 3/17/2009 | | | | | | | | CLOSED |
| | 3/24/2009 | | | | | | | | CLOSED |
| | 3/31/2009 | 0 | 20.5 | 0.38 | 10 | | 11 | | |
| | 4/8/2009 | | | | | | | | CLOSED |
| | 4/13/2009 | | | | | | | | CLOSED |
| | 4/22/2009 | | | | | | | | CLOSED |
| | 4/29/2009 | | | | | | | | CLOSED |
| | 5/12/2009 | 0 | 20.4 | 0.42 | 8.3 | | 12 | | |
| | 5/19/2009 | 0 | 20.2 | 0.66 | 4.4 | | 13 | | |
| | 6/3/2009 | 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 | | |
| | 9/1/2009 | 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 | | |
| | 1/5/2010 | 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 | | closed |
| | 5/12/2010 | 0 | 20.5 | 0.19 | 1 | | 0-12 | | Opened for readings only |
| | 5/26/2010 | 0 | 19.9 | 0.68 | 24 | | 0-11 | | Opened for readings only |
| | 6/8/2010 | 0 | 19.8 | 0.64 | 21 | | 0-13 | | Opened for readings only |
| | 6/24/2010 | 0 | 19.9 | 0.68 | 16 | | 0-12 | | Opened for readings only |
| | 7/7/2010 | 0 | 19.8 | 0.73 | 14 | | 12-0 | | Opened for readings only |
| | 7/20/2010 | 0 | 20.1 | 0.58 | 11 | | 12-0 | | Opened for readings only |
| | 8/3/2010 | 0 | 20 | 0.62 | 16 | | 0-12 | | Opened for readings only |
| | 8/16/2010 | 0 | 19.8 | 0.71 | 21 | | 10-0 | | Opened for readings only |
| | 8/31/2010 | 0 | 20.3 | 0.4 | 14 | | 12-0 | | Opened for readings only |
| | 9/14/2010 | 0 | 20.4 | 0.22 | 15 | | 12-0 | | Opened for readings only |
| | 9/27/2010 | 0 | 19.9 | 0.39 | 9 | | 12-0 | | Opened for readings only |
| | 10/12/2010 | 0 | 20.6 | 0.14 | 7 | | 0-12-0 | | Opened for measurement |
| | 10/25/2010 | 0 | 20.2 | 0.44 | 5 | | 0-12-0 | | opened for measurement |
| | 11/9/2010 | 0 | 20.5 | 0.19 | 8 | | 12-0 | | opened for measurement |
| | 11/30/2010 | 0 | 20.2 | 0.26 | 5.5 | | 15-0 | | opened for measurement |
| | 12/16/2010 | 0 | 20.1 | 0.29 | 3.9 | | 15-0 | | Opened for measurement |
| | 12/28/2010 | 0 | 20.4 | 0.09 | 24 | | 16-0 | | |
| | 1/12/2011 | 0 | 19.9 | 0.4 | 1.5 | | 20 | | Open upon arrival |
| | 1/25/2011 | 0 | 20.4 | 0.22 | 5.7 | | 22 | | |
| | 2/8/2011 | 0 | 19.1 | 0.19 | 3.4 | | 21 | | Before system changes |
| | 2/8/2011 | 0 | 19.1 | 0.18 | 6.4 | | | | After system changes |
| | 2/21/2011 | 0 | 20.4 | 0.2 | 2.1 | | 24 | | |
| | 3/8/2011 | 0 | 20.5 | 0.2 | 5.3 | | 22 | | |
| | 3/24/2011 | 0 | 20.6 | 0.24 | 1.8 | | 22 | | |
| | 4/4/2011 | 0 | 20.6 | 0.2 | 0.8 | | 21 | | |
| | 4/26/2011 | 0 | 20.6 | 0.26 | 0 | | 15 | | |
| | 5/19/2011 | 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 | | |

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

| Sample Location | Date | LEL (%) | Oxygen (%) | Carbon Dioxide (%) | PID (ppm) | Methane (%) | Vacuum (inches of water) | FID | Comment |
|-----------------|------------|---------|------------|--------------------|-----------|-------------|--------------------------|-------|---|
| | 1/10/2012 | 0 | 17.2 | 1.44 | 1.5 | | 6 | | Approximately 50% dilution. Restarted system at 11:30. Collected readings after 30 min of start up. |
| | 1/10/2012 | 0 | 16.5 | 1.68 | 3.9 | | 8 | | Collected 2 hrs after system start up |
| | 1/10/2012 | 0 | 16.7 | 1.88 | 4.0 | | 9 | | Collected after 1 hr of full operation |
| | 1/24/2012 | 0 | 20.1 | 0.59 | 0.5 | | 21 | | |
| | 2/6/2012 | 0 | 20.3 | 0.46 | 0 | | 23 | | |
| | 2/20/2012 | 0 | 20.4 | 0.49 | 0 | | 22 | | |
| | 3/6/2012 | 0 | 20.3 | 0.53 | 0.6 | | 20 | | |
| | 3/26/2012 | 0 | 20.5 | 0.37 | 0 | | 17 | | |
| | 4/10/2012 | 0 | 20.5 | 0.41 | 0 | | 17 | | |
| | 4/23/2012 | 0 | 20.5 | 0.41 | 0 | | 15 | | |
| | 5/7/2012 | 0 | 20.5 | 0.42 | 0.6 | | 13 | | |
| | 5/22/2012 | 0 | 20.3 | 0.48 | 0 | | 13 | | |
| | 6/5/2012 | 0 | 20 | 0.56 | 0 | | 8 | | |
| | 6/19/2012 | 0 | 20.4 | 0 | 0 | | 10 | | |
| | 7/5/2012 | 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 | | |
| | 10/6/2012 | 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 | | |
| | 12/4/2012 | 0 | 20.2 | 0.47 | 0 | | 10 | | System shutdown upon departure. |
| | 12/17/2012 | 0 | 20.3 | 0.58 | 0 | | 19 | | |
| | 1/2/2013 | 0 | 20.6 | 0.38 | 0 | | 19 | | |
| | | | | | | | | | |
| | 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 | | |
| | 1/27/2009 | 0 | 20.3 | 0.72 | 15 | | 26 | | |
| | 2/4/2009 | 0.05 | 20.2 | 0.74 | 90 | | 32 | | |
| | 2/17/2009 | 0 | 20.4 | 0.71 | 9 | | 24 | | |
| | 2/27/2009 | 0.03 | 20.2 | 0.73 | 8 | | 28 | | |
| | 3/4/2009 | 0 | 20.5 | 0.58 | 6.4 | | 28 | | |
| | 3/11/2009 | 0 | 20.7 | 0.27 | 2.6 | | 26 | | |
| | 3/17/2009 | | | | | | | | CLOSED |
| | 3/24/2009 | | | | | | | | CLOSED |
| | 3/31/2009 | 0 | 20.4 | 0.49 | 11.6 | | 15 | | |
| | 4/8/2009 | | | | | | | | CLOSED |
| | 4/13/2009 | | | | | | | | CLOSED |
| | 4/22/2009 | | | | | | | | CLOSED |
| | 4/29/2009 | | | | | | | | CLOSED |
| | 5/12/2009 | 0 | 20.4 | 0.6 | 20.5 | | 15 | | |
| | 5/19/2009 | 0 | 20.3 | 0.64 | 7.4 | | 15 | | |
| | 6/3/2009 | 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 | | |
| | 9/1/2009 | 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 | | |
| SVE #4 | 1/5/2010 | 0.06 | 20.3 | 0.72 | 119 | | 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 |
|-----------------|------------|---------|------------|--------------------|-----------|-------------|--------------------------|-----------------------|---------|
| SVE #5 | 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 | | |
| | 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 | | |
| | 6/3/2009 | 0.06 | 20.5 | 0.27 | 65 | | 11 | | |
| | 6/10/2009 | 0.07 | 20.4 | 0.46 | 66 | | 11 | | |
| | 6/16/2009 | 0.06 | 20.4 | 0.51 | 86 | | 11 | | |
| | 6/24/2009 | 0 | 20.3 | 0.57 | 69 | | 11 | | |
| | 6/30/2009 | 0.13 | 20.4 | 0.47 | 102 | | 7.5 | | |
| | 7/8/2009 | 0.76 | 19.9 | 0.62 | 300 | | 7 | | |
| | 7/20/2009 | 0.32 | 20.3 | 0.59 | 237 | | 7 | | |
| | 8/4/2009 | 0.17 | 20.3 | 0.59 | 168 | | 8 | | |
| | 8/18/2009 | 0.18 | 20.7 | 0.71 | 232 | | 8 | | |
| | 9/1/2009 | 0.34 | 19.9 | 0.84 | 447 | | 10 | | |
| | 9/15/2009 | 0.27 | 20.1 | 0.84 | 467 | | 10 | | |
| | 9/29/2009 | 0.11 | 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 | | |
| | 2/5/2010 | 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 | | | |

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 |
|-----------------|------------|---------|------------|--------------------|-----------|-------------|--|------|---|
| | 2/3/2010 | 0.08 | 20.5 | 0.24 | 114 | | 23 | | |
| | 2/16/2010 | 0.07 | 20.6 | 0.26 | 177 | | 20 | | |
| | 3/3/2010 | 0.08 | 20.5 | 0.24 | 158 | | 22 | | |
| | 3/16/2010 | 0 | 20.6 | 0.29 | 107 | | 22 | | |
| | 3/29/2010 | 0 | 20.4 | 0.29 | 133 | | 20 | | |
| | 4/13/2010 | 0.05 | 20.5 | 0.29 | 94 | | 16 | | |
| | 4/27/2010 | 0 | 20.5 | 0.3 | 98 | | 27 | | |
| | 5/12/2010 | 0.08 | 20 | 0.54 | 140 | | 22 | | |
| | 5/26/2010 | 0.06 | 20.2 | 0.58 | 102 | | 20 | | |
| | 6/8/2010 | 0.06 | 19.8 | 0.66 | 75 | | 21 | | |
| | 6/24/2010 | 0.05 | 20 | 0.65 | 58 | | 21 | | |
| | 7/7/2010 | 0 | 20 | 0.71 | 51 | | 21 | | |
| | 7/20/2010 | 0 | 20 | 0.67 | 26 | | 70 | | |
| | 8/3/2010 | 0.02 | 20 | 0.66 | 55 | | 15 | | |
| | 8/16/2010 | 0 | 19.8 | 0.74 | 84 | | 14 | | |
| | 8/31/2010 | 0 | 20.1 | 0.74 | 58 | | 15 | | |
| | 9/14/2010 | 0 | 20.1 | 0.69 | 60 | | 15 | | |
| | 9/27/2010 | 0 | 19.9 | 0.6 | 36 | | 17 | | |
| | 10/12/2010 | 0 | 20.2 | 0.63 | 18 | | 17 | | |
| | 10/25/2010 | 0 | 20.5 | 0.54 | 29 | | 18 | | |
| | 11/9/2010 | 0 | 20.6 | 0.37 | 10 | | 20 | | |
| | 11/30/2010 | 0 | 20.4 | 0.27 | 2.9 | | 24 | | |
| | 12/16/2010 | 0 | 20.3 | 0.25 | 2.2 | | 25 | | |
| | 12/28/2010 | 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 | | |
| | 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 | | |
| | 4/23/2012 | 0 | 20.5 | 0.38 | 1.2 | | 14 | | |
| | 5/7/2012 | 0 | 20.3 | 0.45 | 2.7 | | 13/12 | | |
| | 5/22/2012 | 0 | 20.3 | 0.46 | 1.3 | | 12 | | |
| | 6/5/2012 | 0 | 19.6 | 0.61 | 0 | | 10 | | |
| | 6/19/2012 | 0.10 | 20.2 | 0.59 | 0.1 | | 10 | | |
| | 7/3/2012 | 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 | | |
| | 9/1/2012 | 0 | 20.2 | 0.61 | 1.2 | | 10 | | |
| | 9/25/2012 | 0 | 20.1 | 0.57 | 0.8 | | 10 | | |
| | 10/16/2012 | 0 | 20.1 | 0.47 | 1.5 | | 9 | | |
| | 10/30/2012 | 0 | 20.3 | 0.43 | 1.2 | | 10 | | |
| | 11/12/2012 | 0 | 20.4 | 0.41 | 0.3 | | 10 | | System shutdown upon departure. |
| | 12/4/2012 | 0 | 18.7 | 0.99 | 0 | | 9 | | |
| | 12/17/2012 | 0 | 20.4 | 0.45 | 0 | | 13 (upon arrival) / 14 (after adjustments) | | |
| | 1/2/2013 | 0 | 20.4 | 0.38 | 0.3 | | 18 | | |
| | 1/24/2008 | 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 | | |

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

| Sample Location | Date | LEL (%) | Oxygen (%) | Carbon Dioxide (%) | PID (ppm) | Methane (%) | Vacuum (inches of water) | FID | Comment |
|-----------------|------------|---------|------------|--------------------|-----------|-------------|--------------------------|---|---------|
| SVE #7 | 11/11/2008 | 0.06 | 20 | 1.18 | 72 | | 11.5 | | |
| | 11/19/2008 | 0 | 20.2 | 1.06 | 24 | | 12 | | |
| | 12/4/2008 | 0.09 | 20.4 | 0.08 | 45 | | 11 | | |
| | 12/10/2008 | 0.08 | 20.7 | 0.08 | 54 | | 10 | | |
| | 1/2/2009 | 0.1 | 18 | 2.1 | 61 | | 20 | | |
| | 1/20/2009 | | | | | | 22 | | |
| | 1/27/2009 | 0.02 | 20.8 | 0.1 | 41 | | 25 | | |
| | 2/4/2009 | 0.06 | 20.6 | 0.1 | 100 | | 30 | | |
| | 2/17/2009 | 0.05 | 20.9 | 0.08 | 66 | | 20 | | |
| | 2/27/2009 | 0.06 | 20.8 | 0.08 | 20 | | 23 | | |
| | 3/4/2009 | 0 | 20.8 | 0.06 | 65.4 | | 24 | | |
| | 3/11/2009 | 0.05 | 20.9 | 0.06 | 60 | | 26 | | |
| | 3/17/2009 | 0.06 | 20.7 | 0.05 | 95.5 | | 25 | | |
| | 3/24/2009 | 0.11 | 20.3 | 0.44 | 235 | | 29 | | |
| | 3/31/2009 | 0.06 | 20.5 | 0.33 | 117 | | 12 | | |
| | 4/8/2009 | 0.08 | 20.3 | 0.35 | 115 | | 26 | | |
| | 4/13/2009 | 0.07 | 20.6 | 0.38 | 87 | | 24 | | |
| | 4/22/2009 | 0 | 20.4 | 0.35 | 75 | | 23 | | |
| | 4/29/2009 | 0 | 20.1 | 0.39 | 53 | | 25 | | |
| | 5/12/2009 | 0 | 20.2 | 0.35 | 46.7 | | 12 | | |
| | 5/19/2009 | 0 | 20.3 | 0.42 | 12.7 | | 12 | | |
| | 6/3/2009 | 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 | 3.5 | | 25 | | | |
| 1/12/2011 | 0 | 20 | 0.19 | 5.5 | | 21 | | | |
| 1/25/2011 | 0 | 20.5 | 0.11 | 11.8 | | 23 | | | |
| 2/8/2011 | 0 | 19 | 0.22 | 15.4 | | 20 | | | |
| 2/21/2011 | 0 | 20.6 | 0.08 | 9.2 | | 22 | | | |
| 3/8/2011 | 0 | 20.6 | 0.03 | 10.3 | | 22 | | | |
| 3/24/2011 | 0 | 20.7 | 0.08 | 5.3 | | 22 | | | |
| 4/4/2011 | 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 | | | |

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

| Sample Location | Date | LEL (%) | Oxygen (%) | Carbon Dioxide (%) | PID (ppm) | Methane (%) | Vacuum (inches of water) | FID | Comment |
|-----------------|------------|---------|------------|--------------------|-----------|-------------|--|-------|---|
| | 7/20/2010 | 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 | | |
| | 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 | | |
| | 12/4/2012 | 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 | | |
| | | | | | | | | | |
| | 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 | |
| | 7/2/2008 | 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 | | |

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 | 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 | | |
| | 6/3/2009 | 0.12 | 18.4 | 1.42 | 177 | | 11 | | |
| | 6/10/2009 | 0.08 | 20 | 0.88 | 110 | | 11 | | |
| | 6/16/2009 | 0 | 20.7 | 0.11 | 28 | | 11.5 | | |
| | 6/24/2009 | 0.06 | 20 | 0.99 | 137 | | 11 | | |
| | 6/30/2009 | 0 | 18.8 | 1.72 | 73 | | 8 | | |
| | 7/8/2009 | 0.25 | 19.4 | 1.22 | 110 | | 8 | | |
| | 7/20/2009 | 0.15 | 20.1 | 0.97 | 175 | | 8 | | |
| | 8/4/2009 | 0.22 | 20 | 1.12 | 236 | | 8 | | |
| | 8/18/2009 | 0.22 | 20 | 1.24 | 2.44 | | 8 | | |
| | 9/1/2009 | 0.1 | 18.9 | 1.3 | 313 | | 10 | | |
| | 9/15/2009 | 0.25 | 19.7 | 1.46 | 392 | | 10 | | |
| | 9/29/2009 | 0.16 | 19.9 | 1.16 | 286 | | 10 | | |
| | 10/15/2009 | 0.14 | 19.9 | 1.1 | 176 | | 11 | | |
| | 10/28/2009 | 0.14 | 19.8 | 1.04 | 171 | | 12 | | |
| | 11/11/2009 | 0.09 | 20 | 0.86 | 141 | | 12 | | |
| | 12/1/2009 | 0.24 | 18.6 | 1.46 | 282 | | 11 | | |
| | 12/7/2009 | 0.08 | 20.1 | 0.97 | 164 | | 16 | | |
| | 12/22/2009 | 0.09 | 20.1 | 0.84 | 146 | | 20 | | |
| | 1/5/2010 | 0.07 | 20.2 | 0.78 | 132 | | 23 | | |
| | 1/19/2010 | 0.06 | 20.3 | 0.76 | 110 | | 23 | | |
| | 2/3/2010 | 0.07 | 20.2 | 0.75 | 160 | | 24 | | |
| | 2/16/2010 | 0.07 | 20.3 | 0.7 | 179 | | 22 | | |
| | 3/3/2010 | 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 | | | |
| 12/16/2010 | 0 | 19.9 | 0.74 | 2.2 | | 28 | | | |
| 12/28/2010 | 0 | 20.1 | 0.71 | 2.3 | | 27 | | | |
| 1/12/2011 | 0 | 19.8 | 0.66 | 6 | | 22 | | | |
| 1/25/2011 | 0 | 20.2 | 0.66 | 11.5 | | 23 | | | |
| 2/8/2011 | 0 | 18.7 | 0.79 | 9.2 | | 21 | | Before system changes | |
| 2/8/2011 | 0 | 19.2 | 0.19 | 19.6 | | | | After system changes | |
| 2/21/2011 | 0 | 20.3 | 0.6 | 10.7 | | 22 | | | |
| 3/8/2011 | 0 | 20.4 | 0.52 | 21.6 | | 23 | | | |
| 3/24/2011 | 0 | 20.5 | 0.42 | 6.2 | | 23 | | | |
| 4/4/2011 | 0 | 20.5 | 0.4 | 5.8 | | 23 | | | |
| 4/26/2011 | 0 | 20.4 | 0.35 | 1.6 | | 16 | | | |
| 5/10/2011 | 0 | 20.6 | 0.28 | 0.1 | | 19 | | | |
| 5/23/2011 | 0 | 20.5 | 0.32 | 0.1 | | 14 | | | |
| 6/7/2011 | 0 | 20.5 | 0.35 | 0 | | 14 | | | |
| 6/23/2011 | 0 | 20.1 | 0.41 | 0 | | 14 | | | |
| 7/7/2011 | 0 | 20.2 | 0.49 | 0.6 | | 13 | | | |
| 7/28/2011 | 0 | 20 | 0.6 | 1.5 | | 13 | | | |
| 8/15/2011 | 0 | 20.1 | 0.68 | 0 | | 0 | | | |
| 1/10/2012 | 0 | 17.8 | 1.44 | 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 | 5.3 | | 14 | | | |
| 5/23/2012 | 0 | 20.4 | 0.54 | 2.4 | | 14 | | | |
| 6/5/2012 | 0 | 19.7 | 0.71 | 8.9 | | 10 | | | |
| 6/19/2012 | 0 | 20.4 | 0.59 | 2.4 | | 12 | | | |
| 7/5/2012 | 0 | 20.2 | 0.62 | 1.0 | | 12 | | | |
| 7/18/2012 | 0 | 20.1 | 0.68 | 0.7 | | 12 | | | |
| 7/30/2012 | 0 | 20.0 | 0.73 | 1.3 | | 12 | | | |
| 8/12/2012 | 0 | 19.9 | 0.75 | 1.8 | | 12 (upon arrival) / 11 (after adjustments) | | | |
| 8/29/2012 | 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 | | | |

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 |
|-----------------|------------|---------|------------|--------------------|-----------|-------------|--------------------------|-------|---------------------------------|
| | 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 | | |
| | 1/2/2013 | 0 | 20.2 | 0.62 | 1.2 | | 19 | | |
| | 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 | |
| | 6/27/2008 | 6 | 18 | 0.4 | 357 | | | 1989 | |
| | 7/2/2008 | 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 | 2950 | |
| | 8/27/2008 | 11 | 19.9 | 0.9 | 489 | | 10 | 4640 | |
| | 9/9/2008 | 0 | 20.9 | 0 | 2.5 | | 10 | | |
| | 9/16/2008 | 0 | 18.2 | 0 | 98 | | 9 | | |
| | 9/24/2008 | 0 | 20.3 | 1 | 187 | | 10 | | |
| | 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 | | |
| | 6/3/2009 | 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 | | |
| | 9/1/2009 | 0.3 | 19.5 | 0.73 | 314 | | 10 | | |
| | 9/15/2009 | 0.21 | 20 | 0.95 | 355 | | 10 | | |
| | 9/29/2009 | 0.14 | 20.4 | 0.6 | 272 | | 10 | | |
| | 10/15/2009 | 0.15 | 20.4 | 0.56 | 171 | | 11 | | |
| | 10/28/2009 | 0.15 | 20.2 | 0.57 | 157 | | 12 | | |
| | 11/11/2009 | 0.12 | 20.5 | 0.5 | 177 | | 12 | | |
| | 12/1/2009 | 0.27 | 20.1 | 0.55 | 267 | | 10 | | |
| | 12/7/2009 | 0.12 | 20.5 | 0.56 | 181 | | 17 | | |
| | 12/22/2009 | 0.11 | 20.5 | 0.44 | 164 | | 20 | | |
| | 1/5/2010 | 0.1 | 20.6 | 0.37 | 155 | | 21 | | |
| | 1/19/2010 | 0.07 | 20.7 | 0.34 | 154 | | 22 | | |
| | 2/3/2010 | 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 | | |

SVE #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 |
|-----------------|------------|---------|------------|--------------------|-----------|-------------|--|-------------------------|---|
| | 9/14/2010 | 0 | 20.1 | 0.69 | 103 | | 16 | | |
| | 9/27/2010 | 0.05 | 20 | 0.62 | 66 | | 18 | | |
| | 10/12/2010 | 0 | 20.4 | 0.97 | 41 | | 18 | | |
| | 10/25/2010 | 0 | 20.5 | 0.55 | 29 | | 19 | | |
| | 11/9/2010 | 0 | 20.5 | 0.43 | 10 | | 20 | | |
| | 11/30/2010 | 0 | 20.3 | 0.33 | 3.7 | | 23 | | |
| | 12/16/2010 | 0 | 20.3 | 0.27 | 6.7 | | 26 | | |
| | 12/28/2010 | 0 | 20.3 | 0.24 | 5.3 | | 25 | | |
| | 1/12/2011 | 0 | 20.1 | 0.03 | 12.5 | | 22 | | |
| | 1/25/2011 | 0 | 20.5 | 0.18 | 27 | | 22 | | |
| | 2/8/2011 | 0 | 19.1 | 0.2 | 29 | | 23 | | Before system changes |
| | 2/8/2011 | 0 | 19.2 | 0.18 | 24.8 | | | | After system changes |
| | 2/21/2011 | 0 | 20.6 | 0.09 | 34.3 | | 22 | | |
| | 3/8/2011 | 0 | 20.6 | 0.1 | 45.7 | | 21 | | |
| | 3/24/2011 | 0 | 20.7 | 0.08 | 40.5 | | 22 | | |
| | 4/4/2011 | 0 | 20.7 | 0.07 | 14.5 | | 21 | | |
| | 4/26/2011 | 0 | 20.7 | 0.11 | 2.7 | | 16 | | |
| | 5/10/2011 | 0 | 20.7 | 0.17 | 0 | | 18 | | |
| | 5/23/2011 | 0 | 20.5 | 0.12 | 2 | | 14 | | |
| | 6/7/2011 | 0 | 20.5 | 0.16 | 1.4 | | 14 | | |
| | 6/23/2011 | 0 | 20.2 | 0.24 | 3.2 | | 14 | | |
| | 7/7/2011 | 0 | 20.3 | 0.31 | 7 | | 10 | | |
| | 7/28/2011 | 0 | 20.4 | 0.33 | 16.7 | | 11 | | |
| | 8/15/2011 | 0 | 20.3 | 0.51 | 3.2 | | 0 | | |
| | 1/10/2012 | 0 | 19.0 | 0.80 | 8.7 | | 5 | | Approximately 50% dilution. Restarted system at 11:30. Collected readings after 30 min of start up. |
| | 1/10/2012 | 0 | 18.5 | 1.02 | 22.4 | | 6 | | Collected 2 hrs after system start up |
| | 1/10/2012 | 0 | 18.4 | 1.20 | 10.3 | | 7 | | Collected after 1 hr of full operation |
| | 1/24/2012 | 0 | 20.1 | 0.60 | 4.3 | | 20 | | |
| | 2/6/2012 | 0 | 20.3 | 0.47 | 3.9 | | 21 | | |
| | 2/20/2012 | 0 | 20.4 | 0.42 | 4.1 | | 21 | | |
| | 3/6/2012 | 0 | 20.4 | 0.45 | 31.1 | | 19 | | |
| | 3/26/2012 | 0 | 20.5 | 0.32 | 14.7 | | 17 | | |
| | 4/10/2012 | 0 | 20.5 | 0.32 | 20.3 | | 17 | | |
| | 4/23/2012 | 0 | 20.6 | 0.28 | 27 | | 15 | | |
| | 5/7/2012 | 0 | 20.6 | 0.25 | 17.1 | | 13 | | |
| | 5/22/2012 | 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 | | System shutdown upon departure. |
| | 12/4/2012 | 0 | 19.8 | 0.64 | 2.9 | | 9 | | |
| | 12/17/2012 | 0 | 20.5 | 0.49 | 3.6 | | 13 (upon arrival) / 14 (after adjustments) | | |
| | 1/2/2013 | 0 | 20.4 | 0.44 | 3.3 | | 19 | | |
| | 2/6/2008 | 100 | 0 | 15.6 | 135.4 | | | | |
| | 3/12/2008 | 100 | 15.8 | 5.1 | 161 | | 11 | >15% | |
| | 3/19/2008 | 100 | 18.2 | 2.2 | 121 | | 10 | >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 | |
| | 7/2/2008 | 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 | | |

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 | 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 | | |
| | 9/1/2009 | 0.47 | 1.7 | 9.99 | 346 | | 10 | | |
| | 9/15/2009 | 0.34 | 10.4 | 7.4 | 494 | | 10 | | |
| | 9/29/2009 | 0.17 | 11.4 | 6.5 | 346 | | 10 | | |
| | 10/15/2009 | 0.10 | 108 | 7.3 | 159 | | 11 | | |
| | 10/28/2009 | 0.14 | 10.1 | 7 | 174 | | 12 | | |
| | 11/11/2009 | 0.09 | 11.6 | 630 | 133 | | 12 | | |
| | 12/1/2009 | 0.29 | 6.5 | 9.18 | 190 | | 11 | | |
| | 12/7/2009 | 0.07 | 11.1 | 6.7 | 151 | | 17 | | |
| | 12/22/2009 | 0.12 | 8.3 | 8.5 | 212 | | 20 | | |
| | 1/5/2010 | 0.10 | 8.7 | 8.3 | 178 | | 21 | | |
| | 1/19/2010 | 0.06 | 8 | 9 | 137 | | 22 | | |
| | 2/3/2010 | 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 | | |
| | 8/3/2010 | 0 | 17.7 | 1.96 | 33 | | 15 | | |
| | 8/16/2010 | 0 | 11.7 | 4 | 58 | | 14 | | |
| | 8/31/2010 | 0 | 16.4 | 2.2 | 49 | | 14 | | |
| | 9/14/2010 | 0 | 17 | 2.15 | 44 | | 15 | | |
| | 9/27/2010 | 0 | 15.6 | 2.4 | 31 | | 18 | | |
| | 10/12/2010 | 0 | 15.9 | 2.58 | 19.9 | | 19 | | |
| | 10/25/2010 | 0 | 14.5 | 3.05 | 19 | | 20 | | |
| | 11/9/2010 | 0 | 16.2 | 2.4 | 8 | | 22 | | |
| | 11/30/2010 | 0 | 13.5 | 3.3 | 4 | | 23 | | |
| | 12/16/2010 | 0 | 14.7 | 2.95 | 5.2 | | 27 | | |
| | 12/28/2010 | 0 | 16.2 | 2.55 | 2.2 | | 26 | | |
| | 1/12/2011 | 0.08 | 2.7 | 6 | 10.4 | | 20 | | |
| | 1/25/2011 | 0 | 17.4 | 1.96 | 14.6 | | 23 | | |
| | 2/8/2011 | 0 | 16.2 | 2.05 | 19.1 | | 22 | | |
| | 2/21/2011 | 0 | 17.7 | 2.35 | 21.2 | | 22 | | |
| | 3/8/2011 | 0 | 17.8 | 2.3 | 23.1 | | 20 | | |
| | 3/24/2011 | 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 | | | |

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

| Sample Location | Date | LEL (%) | Oxygen (%) | Carbon Dioxide (%) | PID (ppm) | Methane (%) | Vacuum (inches of water) | FID | Comment |
|-----------------|------------|---------|------------|--------------------|-----------|-------------|--|-----|---|
| | 7/20/2010 | 0 | 16 | 2.65 | 21 | | 20 | | |
| | 8/5/2010 | 0 | 16.6 | 2.44 | 20 | | 14 | | |
| | 8/16/2010 | 0 | 5.3 | 5.8 | 34 | | 13 | | |
| | 8/31/2010 | 0 | 17.1 | 2.05 | 22 | | 13 | | |
| | 9/14/2010 | 0 | 17.3 | 1.96 | 29 | | 14 | | |
| | 9/27/2010 | 0 | 15.7 | 2.5 | 20 | | 17 | | |
| | 10/12/2010 | 0 | 16.2 | 2.45 | 12 | | 17 | | |
| | 10/25/2010 | 0 | 15.3 | 2.65 | 13 | | 18 | | |
| | 11/9/2010 | 0 | 16.1 | 2.65 | 5.2 | | 19 | | |
| | 11/30/2010 | 0 | 15 | 2.65 | 2.7 | | 23 | | |
| | 12/16/2010 | 0 | 17.1 | 1.82 | 2.7 | | 25 | | |
| | 12/28/2010 | 0 | 17.1 | 1.84 | 4.3 | | 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 | | |
| | 2/24/2011 | 0 | 19.1 | 1.24 | 15.2 | | 21 | | |
| | 4/4/2011 | 0 | 18.7 | 1.46 | 6.2 | | 20 | | |
| | 4/26/2011 | 0 | 10.8 | 6 | 1.6 | | 14 | | |
| | 5/10/2011 | 0 | 19.2 | 1.1 | 0 | | 17 | | |
| | 5/23/2011 | 0 | 15.8 | 2.75 | 0.5 | | 13 | | |
| | 6/7/2011 | 0 | 19.3 | 1.18 | 0 | | 12 | | |
| | 6/23/2011 | 0 | 18.9 | 1.3 | 1 | | 12 | | |
| | 7/7/2011 | 0 | 18.9 | 1.4 | 1.6 | | 10 | | |
| | 7/28/2011 | 0 | 19.2 | 1.32 | 5.5 | | 8 | | |
| | 8/15/2011 | 0 | 19.3 | 1.22 | 0.3 | | 0 | | |
| | 1/10/2012 | 0.10 | 1.1 | 9.99 | 10.6 | | 2 | | Approximately 50% dilution. Restarted system at 11:30. Collected readings after 30 min of start up. |
| | 1/10/2012 | 0 | 1.3 | 9.99 | 24.6 | | 2 | | Collected 2 hrs after system start up |
| | 1/10/2012 | 0 | 1.3 | 9.99 | 17.0 | | 4 | | Collected after 1 hr of full operation |
| | 1/24/2012 | 0 | 19.0 | 1.28 | 4.9 | | 18 | | |
| | 2/6/2012 | 0 | 19.1 | 1.14 | 5.0 | | 19 | | |
| | 2/20/2012 | 0 | 19.4 | 1.02 | 4.9 | | 19 | | |
| | 3/6/2012 | 0 | 19.4 | 0.89 | 22.2 | | 18 | | |
| | 3/26/2012 | 0 | 20.2 | 0.45 | 8.6 | | 15 | | |
| | 4/10/2012 | 0 | 20.3 | 0.41 | 13.2 | | 15 | | |
| | 4/23/2012 | 0 | 20.3 | 0.44 | 13.5 | | 13 | | |
| | 5/7/2012 | 0 | 20.2 | 0.53 | 9.2 | | 12 | | |
| | 5/22/2012 | 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 | | |
| | 9/1/2012 | 0 | 19.9 | 0.78 | 7.2 | | 8 | | |
| | 9/25/2012 | 0 | 19.8 | 0.76 | 5.0 | | 8 | | |
| | 10/16/2012 | 0 | 19.6 | 0.70 | 6.9 | | 8 | | |
| | 10/30/2012 | 0 | 19.8 | 0.71 | 0.2 | | 8 | | |
| | 11/12/2012 | 0 | 19.9 | 0.70 | 7.0 | | 8.5 | | System shutdown upon departure. |
| | 12/4/2012 | 0.15 | 4.2 | 6.30 | 6.5 | | 5 (upon arrival) / 6 (after adjustments) | | |
| | 12/17/2012 | 0 | 19.8 | 0.77 | 4.6 | | 12 (upon arrival) / 13 (after adjustments) | | |
| | 1/2/2013 | 0 | 19.8 | 0.66 | 4.3 | | 15 | | |

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 | | 415 |
| 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 | | | 10/30 | | 392 |
| SVE Pretreatment | 03/17/09 | 1030 | 6759.5 | 0.14 | 17.7 | 2.10 | 438 | | | 12/29 | | 370 |
| SVE Pretreatment | 03/24/09 | 1130 | 6927 | 0.09 | 19.1 | 1.40 | 407 | | | 9/32 | | 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 | | | 11/29 | | 384 |
| SVE Pretreatment | 04/13/09 | 1100 | 7406.4 | 0.06 | 19.3 | 1.22 | 330 | | | 12/27 | | 384 |
| SVE Pretreatment | 04/22/09 | 1045 | 7576.3 | 0.1 | 18 | 1.72 | 350 | | | 12/25 | | 384 |
| SVE Pretreatment | 04/29/09 | 845 | 7761.7 | 0.06 | 19.1 | 1.22 | 305 | | | 12/27 | | 384 |
| SVE Pretreatment | 05/12/09 | 1030 | 8075.2 | 0 | 19.6 | 1.06 | 196 | | | 16/15 | | |
| 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 | | | 14/15 | | 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 | | | 13/12 | | |
| 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 | | | 13/8 | | 350 |
| SVE Effluent | 07/08/09 | 1239 | 8952.7 | 0.16 | 18.7 | 1.52 | 269 | | | 13/8 | | |
| SVE Effluent | 07/20/09 | 1110 | 9237.3 | 0.12 | 19.4 | 1.40 | 247 | | | 13/8 | | 350 |
| SVE Effluent | 08/04/09 | 1100 | 9597.2 | 0.14 | 19.2 | 1.54 | 223 | | | 13/8 | | |
| SVE Effluent | 08/18/09 | 1200 | 9812.4 | 0.14 | 19 | 1.76 | 273 | | | 13/8 | | 350 |
| SVE Effluent | 09/11/09 | 1100 | n/c | 0.25 | 17.1 | 2.75 | 375 | | | 13/10 | | |
| SVE Effluent | 09/15/09 | 1130 | 10291.6 | 0.19 | 18.4 | 2.35 | 392 | | | 13/10 | | |
| SVE Effluent | 09/29/09 | 1130 | 10624.4 | 0.1 | 18.7 | 1.98 | 222 | | | 13/11 | | 442 |
| SVE Effluent (AS System off) | 09/30/09 | 1305 | | 6 | 17.9 | 1.80 | | 1.0 | 1580 | | | |
| SVE Effluent (AS System on) | 09/30/09 | 1446 | 10651 | 5 | 17.9 | 1.80 | | 1.3 | 1720 | 11 | | 469 |
| SVE Effluent | 10/15/09 | 1020 | 11007.2 | 0.1 | 18.9 | 1.82 | 165 | | | 13.5/11 | | |
| SVE Effluent | 10/28/09 | 1100 | 11319.9 | 0.1 | 18.8 | 1.66 | 172 | | | 13.5/12 | | |
| 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 | | | 13/11 | | |
| SVE Effluent | 12/07/09 | 1100 | 11800.2 | 0.08 | 19.2 | 1.54 | 181 | | | 12.5/18 | | |

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 | 12/22/09 | 1100 | 12160.2 | 0.07 | 19.2 | 1.52 | 184 | | | 12/20 | | |
| SVE Effluent | 01/05/10 | | 12495.5 | 0.07 | 19.2 | 1.42 | 141 | | | 13/24 | | |
| SVE Effluent | 01/19/10 | 1100 | 12832.1 | 0 | 19 | 1.48 | 145 | | | 13/24 | | |
| SVE Effluent | 02/03/10 | 1200 | 13193.2 | 0.06 | 18.9 | 1.48 | 240 | | | 13/26 | | |
| SVE Effluent | 02/16/10 | 1130 | 13504.5 | 0.06 | 19.2 | 1.36 | 237 | | | 12/22 | | |
| SVE Effluent | 03/03/10 | 830 | 13861.9 | 0.06 | 19 | 1.42 | 244 | | | 12/25 | | |
| SVE Effluent | 03/16/10 | 1130 | 14175.3 | 0 | 19.6 | 0.93 | 124 | | | 12/24 | | |
| SVE Effluent | 03/29/10 | 1100 | 14487.1 | 0 | 19.6 | 0.85 | 85 | | | 11/22 | | |
| SVE Effluent | 04/13/10 | 1145 | 14847.7 | 0 | 19.5 | 0.85 | 74 | | | 12/18 | | |
| SVE Effluent | 04/27/10 | 1130 | 15182.4 | 0.07 | 19.8 | 0.68 | 206 | | | 10/30 | | |
| SVE Effluent | 05/12/10 | 1045 | 15541.1 | 0.05 | 19.3 | 0.85 | 108 | | | 12/24 | | |
| SVE Effluent | 05/26/10 | 1100 | 15846.3 | 0 | 19 | 1.12 | 92 | | | 13/29 | | |
| SVE Effluent | 06/08/10 | 930 | 16146.6 | 0 | 19.3 | 0.97 | 59 | | | 12/24 | | |
| SVE Effluent | 06/24/10 | 1030 | 16524.3 | 0 | 19.2 | 1.04 | 41 | | | 12/24 | | |
| SVE Effluent | 07/07/10 | 1200 | 16819.2 | 0 | 19.3 | 1.06 | 40 | | | 12/24 | | |
| SVE Effluent | 07/20/10 | 1110 | 17109.6 | 0 | 19.2 | 1.10 | 27.2 | | | 12/23 | | |
| SVE Effluent | 08/03/10 | 1045 | 17430.1 | 0 | 19.1 | 1.20 | 105 | | | 12/22 | | |
| SVE Effluent | 08/16/10 | 1130 | 17647.9 | 0 | 17.8 | 1.66 | 56 | | | 12/16 | | |
| SVE Effluent | 08/31/10 | 1130 | 17988.2 | 0 | 19 | 1.30 | 40 | | | 13/16 | | |
| SVE Effluent | 09/14/10 | 1200 | 18320.4 | 0 | 19.1 | 1.28 | 84 | | | 12/17 | | |
| SVE Effluent | 09/27/10 | 1130 | 18631.9 | 0 | 19.1 | 1.14 | 63 | | | 11/19 | | |
| SVE Effluent | 10/12/10 | 1130 | 18992 | 0 | 19.3 | 1.14 | 17.3 | | | 11/20 | | |
| SVE Effluent | 10/25/10 | 1100 | 19303.6 | 0 | 19.4 | 1.08 | 50 | | | 11/20 | | |
| SVE Effluent | 11/09/10 | 1200 | 19665.4 | 0 | 19.8 | 0.93 | 18 | | | 11/22 | | |
| SVE Effluent | 11/30/10 | 1130 | 20169 | 0 | 19.4 | 0.87 | 13.8 | | | 11/26 | | |
| SVE Effluent | 12/16/10 | 1100 | 20552.5 | 0 | 19.4 | 0.83 | 10 | | | 11/29 | | |
| SVE Effluent | 12/28/10 | 1130 | 20817.4 | 0 | 19.5 | 0.82 | 8.8 | | | 10/30 | | |
| SVE Effluent | 01/12/11 | 1305 | 21038.3 | 0 | 18.2 | 1.22 | 17 | | | 13/25 | | |
| SVE Effluent | 01/25/11 | 1100 | 21348.2 | 0 | 19.6 | 0.81 | 24.9 | | | 12/24 | | |
| SVE Effluent | 02/08/11 | 1045 | 21684.5 | 0 | 18.4 | 0.76 | 34.2 | | | 11/23 | | |
| SVE Effluent | 02/21/11 | 1200 | 21997.2 | 0 | 19.7 | 0.83 | 26.3 | | | 12/24 | | |
| SVE Effluent | 03/08/11 | 1115 | 22356.4 | 0 | 20 | 0.82 | 32.9 | | | 12/24 | | |
| SVE Effluent | 03/24/11 | 1100 | 22739.3 | 0 | 19.9 | 0.69 | 22.8 | | | 12/25 | | |
| SVE Effluent | 04/04/11 | 1100 | 23003.3 | 0 | 19.9 | 0.68 | 15.6 | | | 11/25 | | |
| SVE Effluent | 04/26/11 | 1115 | 23267.7 | 0 | 19.7 | 0.09 | 3.1 | | | 12.5/16 | | |
| SVE Effluent | 05/10/11 | 1430 | 23605.4 | 0 | 20 | 0.62 | 1.7 | | | 12/70 | | |
| SVE Effluent | 05/23/11 | 1030 | 23890.3 | 0 | 19.8 | 0.75 | 1.6 | | | 12/16 | | |
| SVE Effluent | 06/07/11 | 1100 | 24240 | 0 | 20 | 0.70 | 0.1 | | | 13/15 | | |
| SVE Effluent | 06/23/11 | 1100 | 24613.9 | 0 | 19.5 | 0.75 | 2.4 | | | 13/15 | | |
| 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 | | | 13/15 | | |
| 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 | | | 14/10 | | |
| SVE Effluent | 01/24/12 | 800 | 26095.9 | 0 | 19.8 | 0.86 | 4.3 | | | 12/25 | | |
| SVE Effluent | 02/06/12 | 1100 | 26384.9 | 0 | 19.8 | 0.85 | 3.4 | | | 12/24 | | |
| SVE Effluent | 02/20/12 | 1100 | 26721.1 | 0 | 19.9 | 0.80 | 4.8 | | | 12/25 | | |
| SVE Effluent | 03/06/12 | 1115 | 27080.4 | 0 | 20.0 | 0.70 | 39.8 | | | 12/24 | | |
| SVE Effluent | 03/26/12 | 1100 | 27080.4 | 0 | 20.2 | 0.58 | 17.8 | | | 13/18 | | |
| SVE Effluent | 04/10/12 | 1100 | 27917.1 | 0 | 20.1 | 0.69 | 18.5 | | | 12/20 | | |
| SVE Effluent | 04/23/12 | 1100 | 28228.8 | 0 | 20.1 | 0.70 | 18.3 | | | 12.5/17 | | |
| SVE Effluent | 05/07/12 | 1100 | 28563.5 | 0 | 20.0 | 0.71 | 15.3 | | | 12/16 | | |
| SVE Effluent | 05/22/12 | 1100 | 28923.2 | 0 | 19.9 | 0.74 | 16.1 | | | 13/16 | | |
| SVE Effluent | 06/05/12 | 1130 | 28962.7 | 0 | 18.4 | 1.14 | 7.2 | | | 14/13 | | |
| SVE Effluent | 06/19/12 | 1200 | 29291 | 0 | 20.0 | 0.80 | 12 | | | 12/13 | | |
| SVE Effluent | 07/03/12 | 1040 | 29608.8 | 0 | 19.7 | 0.96 | 11.1 | | | 13/14 | | |
| SVE Effluent | 07/18/12 | 800 | 29942.9 | 0 | 19.6 | 0.98 | 10.6 | | | 14/13 | | |
| 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 | | | 13/12 | | |
| SVE Effluent | 09/11/12 | 1130 | 31227.5 | 0 | 19.6 | 1.18 | 17.2 | | | 13/12 | | |
| 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 | | | 13/12 | | |
| SVE Effluent | 10/30/12 | 840 | 32400.7 | 0 | 19.8 | 0.97 | 16.4 | | | 13/12 | | |
| SVE Effluent | 11/12/12 | 1130 | 32716.5 | 0 | 19.8 | 0.91 | 15.5 | | | 13/14 | | |
| SVE Effluent | 12/04/12 | 1140 | 32718.2 | 0 | 17.4 | 1.80 | 14.6 | | | 13/12 | | |
| SVE Effluent | 12/17/12 | 1145 | 33025.6 | 0 | 20.0 | 0.89 | 16.5 | | | 12/21 | | |
| SVE Effluent | 01/02/13 | 1150 | 33409.5 | 0 | 19.9 | 0.81 | 16.8 | | | 11/26 | | |
| 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 | | | | | na |
| SVE Posttreatment | 03/12/08 | 1430 | na | 0 | 10.8 | 7.80 | 15 | | 11 | | | na |
| SVE Posttreatment | 03/19/08 | 1100 | na | 0 | 15.9 | 5.30 | 23 | | | | | na |
| SVE Posttreatment | 03/26/08 | 930 | na | 0 | 12 | 7.20 | 56 | | 165 | | | na |
| SVE Posttreatment | 04/01/08 | 1100 | na | 0 | 16.3 | 6.80 | | | 200 | | | na |
| SVE Posttreatment | 04/08/08 | 1100 | na | 0 | 12.8 | 4.20 | 161 | | 363 | | | na |
| SVE Posttreatment | 04/21/08 | 1100 | na | 0 | 16 | 3.00 | 19.5 | | 10.5 | | | na |

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 | 04/28/08 | 1200 | na | 0 | 14.4 | 4.50 | 121 | | 310 | | | na |
| SVE Posttreatment | 05/06/08 | 1050 | na | 0 | 14.5 | 4.80 | 131 | | 660 | | | na |
| SVE Posttreatment | 05/14/08 | 1100 | na | | | | | | | | | na |
| SVE Posttreatment | 05/22/08 | 1000 | na | 0 | 14.6 | 5.50 | 43 | | 3 | | | na |
| SVE Posttreatment | 06/04/08 | 1000 | na | 0 | 13.8 | | | | 112 | | | na |
| SVE Posttreatment | 06/27/08 | 1000 | na | 0 | 14.8 | 2.60 | 12.8 | | 18 | | | na |
| SVE Posttreatment | 07/22/08 | 930 | na | 0 | 13 | 4.60 | 4.5 | | NM | | | na |
| SVE Posttreatment | 07/30/08 | 1000 | na | 0 | 15.9 | 3.40 | 0 | | 7 | | | na |
| SVE Posttreatment | 08/05/08 | 1000 | na | 2 | 15.8 | 3.40 | 0 | | 20 | | | na |
| SVE Posttreatment | 08/12/08 | 930 | na | 0 | 16.4 | 3.30 | 2.6 | | 16 | | | na |
| SVE Posttreatment | 08/19/08 | 1000 | na | 0 | 16.5 | 3.20 | 2.6 | | 435 | | | na |
| SVE Posttreatment | 08/27/08 | 945 | na | 0 | 15.6 | 0.30 | 1 | | 24 | | | na |
| SVE Posttreatment | 09/09/08 | 1130 | na | 0 | 18.2 | 1.00 | 0 | | | | | na |
| SVE Posttreatment | 09/16/08 | 1130 | na | 0 | 17.9 | 0.00 | 0 | | | | | na |
| SVE Posttreatment | 09/24/08 | 1130 | na | 0 | 17.8 | 4.00 | 0 | | | | | na |
| SVE Posttreatment | 09/30/08 | 1230 | na | 0 | 17.6 | 2.00 | 0 | | | | | na |
| SVE Posttreatment | 10/06/08 | 1230 | na | 0 | 16.6 | 3.05 | 0 | | | | | na |
| SVE Posttreatment | 10/14/08 | 1145 | na | 0 | 16.6 | 3.05 | 0 | | | | | na |
| SVE Posttreatment | 10/21/08 | 1145 | na | 0 | 16.7 | 2.95 | 0 | | | | | na |
| SVE Posttreatment | 11/04/08 | 830 | na | 0 | 18.5 | 1.85 | 0 | | | | | na |
| SVE Posttreatment | 11/11/08 | 1200 | na | 0 | 18.8 | 1.90 | 0 | | | | | na |
| SVE Posttreatment | 11/19/08 | 1115 | na | 0 | 19.1 | 1.42 | 0 | | | | | na |
| SVE Posttreatment | 12/04/08 | 1100 | na | 0.06 | 10.9 | 2.50 | 0 | | | | | na |
| SVE Posttreatment | 12/10/08 | 1130 | na | 0 | 17.1 | 2.32 | 0 | | | | | na |
| SVE Posttreatment | 12/26/08 | 1030 | na | | | | | | | | | na |
| SVE Posttreatment | 01/02/09 | 1015 | na | 0 | 16.2 | 3.85 | 0 | | | | | na |
| SVE Posttreatment | 01/09/09 | 1015 | na | | | | | | | | | na |
| SVE Posttreatment | 01/20/09 | 1225 | na | 0.11 | 19.2 | 1.50 | 165 | | | | | na |
| SVE Posttreatment | 01/27/09 | 1120 | na | 0 | 19.1 | 2.00 | 0 | | | | | na |
| SVE Posttreatment | 02/04/09 | 1030 | na | 0 | 17.9 | 2.30 | 0 | | | | | na |
| SVE Posttreatment | 02/17/09 | 1030 | na | 0 | 16.6 | 2.80 | 0 | | | | | na |
| SVE Posttreatment | 02/27/09 | 1130 | na | 0 | 16.5 | 2.82 | 0 | | | | | na |
| SVE Posttreatment | 03/04/09 | 1230 | na | 0 | 16.2 | 2.76 | 0 | | | | | na |
| SVE Posttreatment | 03/11/09 | 1215 | na | 0 | 16.9 | 2.68 | 0 | | | | | na |
| SVE Posttreatment | 03/17/09 | 1030 | na | 0 | 17.5 | 2.15 | 0 | | | | | na |
| SVE Posttreatment | 03/24/09 | 1130 | na | 0 | 16.9 | 2.17 | 0 | | | | | na |
| SVE Posttreatment | 03/31/09 | 1040 | na | 0 | 16.9 | 2.09 | 0 | | | | | na |
| SVE Posttreatment | 04/08/09 | 840 | na | 0 | 16.8 | 2.12 | 0 | | | | | na |
| SVE Posttreatment | 04/13/09 | 1100 | na | 0 | 18.9 | 1.48 | 0 | | | | | na |
| SVE Posttreatment | 04/22/09 | 1045 | na | 0 | 16.8 | 2.11 | 0 | | | | | na |
| SVE Posttreatment | 04/29/09 | 845 | na | 0 | 17.1 | 2.16 | 0 | | | | | na |
| SVE Posttreatment | 05/12/09 | 1030 | na | 0 | 16.4 | 2.18 | 0 | | | | | na |
| SVE Posttreatment | 05/19/09 | 800 | | 0 | 16.2 | 2.11 | 0 | | | | | na |
| SVE Posttreatment | Catalytic Oxidizer was removed | | | | | | | | | | | |

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 | | | | |
| 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 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**.

-- Not analyzed.

* 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 |
| 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 | 1 | 171,259 | 588 | 112 | 290,100 | 997 |
| 9/25/2012 | 1 | 171,323 | 589 | 109 | 293,048 | 1007 |
| 10/30/2012 | 2 | 171,437 | 589 | 93 | 296,311 | 1018 |
| 11/12/2012 | 1 | 171,468 | 589 | 80 | 297,345 | 1022 |
| 12/17/2012 | 1 | 171,505 | 589 | 89 | 300,462 | 1032 |

VI. Laboratory Analytical Results

LABORATORY REPORT

January 24, 2012

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

RE: MP-85 Site Exland Wi / 49/55-0029.00 2012.001

Dear Hans:

Enclosed are the results of the sample submitted to our laboratory on January 12, 2012. For your reference, these analyses have been assigned our service request number P1200099.

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.caslab.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

Columbia Analytical Services, Inc. is certified by the California Department of Health Services, NELAP Laboratory Certificate No. 02115CA; Arizona Department of Health Services, Certificate No. AZ0694; Florida Department of Health, NELAP Certification E871020; New Jersey Department of Environmental Protection, NELAP Laboratory Certification ID #CA009; New York State Department of Health, NELAP NY Lab ID No: 11221; Oregon Environmental Laboratory Accreditation Program, NELAP ID: CA20007; The American Industrial Hygiene Association, Laboratory #101661; United States Department of Defense Environmental Laboratory Accreditation Program (DoD-ELAP), Certificate No. L10-3-R2; Pennsylvania Registration No. 68-03307; TX Commission of Environmental Quality, NELAP ID T104704413-11-2; Minnesota Department of Health, NELAP Certificate No. 362188; Washington State Department of Ecology, ELAP Lab ID: C946, State of Utah Department of Health, NELAP Certificate No. CA015272011-1; Los Angeles Department of Building and Safety, Approval No: TA00001. Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact me for information corresponding to a particular certification.

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

Respectfully submitted,

Columbia Analytical Services, Inc.

Kelly Horiuchi
Laboratory Director

Client: Barr Engineering
Project: MP-85 Site Exland Wi / 49/55-0029.00 2012.001

CAS Project No: P1200099

CASE NARRATIVE

The sample was received intact under chain of custody on January 12, 2012 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).

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. The analytical system was comprised of a gas chromatograph / mass spectrometer (GC/MS) interfaced to a whole-air preconcentrator.

The reporting limit is elevated for sample SVE Effluent. The chromatogram indicated the presence of non-target background components. The sample was diluted in order to prevent damage to the instrument. The reporting limits are adjusted to reflect the dilution.

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

Use of Columbia Analytical Services, Inc. (CAS) Name. Client shall not use CAS's name or trademark in any marketing or reporting materials, press releases or in any other manner ("Materials") whatsoever and shall not attribute to CAS any test result, tolerance or specification derived from CAS's data ("Attribution") without CAS's prior written consent, which may be withheld by CAS for any reason in its sole discretion. To request CAS'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 CAS has not provided written approval of the Materials or Attribution within ten (10) days of receipt from Client, Client's request to use CAS's name or trademark in any Materials or Attribution shall be deemed denied. CAS 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 CAS's name or trademark may cause CAS 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.

DETAIL SUMMARY REPORT

Client: Barr Engineering
 Project ID: MP-85 Site Exland Wi / 49/55-0029.00 2012.001

Service Request: P1200099

Date Received: 1/12/2012
 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 | P1200099-001 | Air | 1/10/2012 | 16:00 | 1SC00723 | -0.08 | 5.52 | X | X |

Sample Acceptance Check Form

Client: Barr Engineering Work order: P1200099

Project: MP-85 Site Exland Wi / 49/55-0029.00 2012.001

Sample(s) received on: 1/12/12 Date opened: 1/12/12 by: MZAMORA

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 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 |
|-----------------|-----------------------|---------------|-------------|-------------|----------------------------------|---------------------------------|
| P1200099-001.01 | 1.0 L Source Can | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

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

RESULTS OF ANALYSIS

Page 1 of 1

Client: Barr Engineering

Client Project ID: MP-85 Site Exland Wi / 49/55-0029.00 2012.001

CAS Project ID: P1200099

Total Petroleum Hydrocarbons (TPH) as Gasoline

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

Date(s) Collected: 1/10/12
 Date Received: 1/12/12
 Date Analyzed: 1/12/12

| Client Sample ID | CAS 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 | P1200099-001 | 1.38 | 1.0 | 130 | 25 | 38 | 7.1 | |
| Method Blank | P120112-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.

RESULTS OF ANALYSIS

Page 1 of 1

Client: Barr Engineering
Client Project ID: MP-85 Site Exland Wi / 49/55-0029.00 2012.001

CAS Project ID: P1200099

Benzene

Test Code: EPA TO-15
 Instrument ID: Tekmar AUTOCAN/HP5973/HP6890/MS3
 Analyst: Simon Cao
 Sampling Media: 1.0 L Summa Canister(s)
 Test Notes:

Date(s) Collected: 1/10/12
 Date Received: 1/12/12
 Date Analyzed: 1/13/12

| Client Sample ID | CAS Sample ID | Injection | Canister | Result | MRL | Result | MRL | Data |
|------------------|---------------|-----------|----------|--------|---------|--------|---------|------|
| | | Volume | Dilution | | | | | |
| | | ml(s) | Factor | | | | | |
| SVE Effluent | P1200099-001 | 25 | 1.38 | ND | 0.028 | ND | 0.0086 | |
| Method Blank | P120113-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.

SURROGATE SPIKE RECOVERY RESULTS

Page 1 of 1

Client: Barr Engineering
Client Project ID: MP-85 Site Exland Wi / 49/55-0029.00 2012.001

CAS Project ID: P1200099

Test Code: EPA TO-15
 Instrument ID: Tekmar AUTOCAN/HP5973/HP6890/MS3
 Analyst: Simon Cao
 Sampling Media: 1.0 L Summa Canister(s)
 Test Notes:

Date(s) Collected: 1/10/12
 Date(s) Received: 1/12/12
 Date(s) Analyzed: 1/13/12

| Client Sample ID | CAS Sample ID | 1,2-Dichloroethane-d4 | Toluene-d8 | Bromofluorobenzene | Acceptance Limits | Data Qualifier |
|------------------|---------------|-----------------------|-------------------|--------------------|-------------------|----------------|
| | | Percent Recovered | Percent Recovered | Percent Recovered | | |
| Method Blank | P120113-MB | 114 | 97 | 103 | 70-130 | |
| SVE Effluent | P1200099-001 | 109 | 91 | 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.

LABORATORY REPORT

March 6, 2012

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

RE: MP-85-Site Exland Wi / 49/55-0029.00 2012.001

Dear Hans:

Enclosed are the results of the sample submitted to our laboratory on February 22, 2012. For your reference, these analyses have been assigned our service request number P1200694.

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.caslab.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

Columbia Analytical Services, Inc. is certified by the California Department of Health Services, NELAP Laboratory Certificate No. 02115CA; Arizona Department of Health Services, Certificate No. AZ0694; Florida Department of Health, NELAP Certification E871020; New Jersey Department of Environmental Protection, NELAP Laboratory Certification ID #CA009; New York State Department of Health, NELAP NY Lab ID No: 11221; Oregon Environmental Laboratory Accreditation Program, NELAP ID: CA20007; The American Industrial Hygiene Association, Laboratory #101661; United States Department of Defense Environmental Laboratory Accreditation Program (DoD-ELAP), Certificate No. L10-3-R2; Pennsylvania Registration No. 68-03307; TX Commission of Environmental Quality, NELAP ID T104704413-11-2; Minnesota Department of Health, NELAP Certificate No. 362188; Washington State Department of Ecology, ELAP Lab ID: C946, State of Utah Department of Health, NELAP Certificate No. CA015272011-1; Los Angeles Department of Building and Safety, Approval No: TA00001. Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact me for information corresponding to a particular certification.

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

Respectfully submitted,

Columbia Analytical Services, Inc.



Digitally signed by Sue Anderson

Date: 2012.03.06 16:39:43 -08'00'

For Kelly Horiuchi
Laboratory Director

Client: Barr Engineering
Project: MP-85-Site Exland Wi / 49/55-0029.00 2012.001

CAS Project No: P1200694

CASE NARRATIVE

The sample was received intact under chain of custody on February 22, 2012 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).

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. The analytical system was comprised of a gas chromatograph / mass spectrometer (GC/MS) interfaced to a whole-air preconcentrator.

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

Use of Columbia Analytical Services, Inc. (CAS) Name. Client shall not use CAS's name or trademark in any marketing or reporting materials, press releases or in any other manner ("Materials") whatsoever and shall not attribute to CAS any test result, tolerance or specification derived from CAS's data ("Attribution") without CAS's prior written consent, which may be withheld by CAS for any reason in its sole discretion. To request CAS'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 CAS has not provided written approval of the Materials or Attribution within ten (10) days of receipt from Client, Client's request to use CAS's name or trademark in any Materials or Attribution shall be deemed denied. CAS 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 CAS's name or trademark may cause CAS 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.

DETAIL SUMMARY REPORT

Client: Barr Engineering
 Project ID: MP-85-Site Exland Wi / 49/55-0029.00 2012.001

Service Request: P1200694

Date Received: 2/22/2012
 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 | P1200694-001 | Air | 2/20/2012 | 11:30 | 1SC00426 | 0.34 | 5.63 | X | X |

Sample Acceptance Check Form

Client: Barr Engineering Work order: P1200694

Project: MP-85-Site Exland Wi / 49/55-0029.00 2012.001

Sample(s) received on: 2/22/12 Date opened: 2/22/12 by: MZAMORA

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.

- | | <u>Yes</u> | <u>No</u> | <u>N/A</u> |
|--|-------------------------------------|-------------------------------------|-------------------------------------|
| 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 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 |
|-----------------|-----------------------|---------------|-------------|-------------|----------------------------------|---------------------------------|
| P1200694-001.01 | 1.0 L Source Can | | | | | |
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| | | | | | | |

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

RESULTS OF ANALYSIS

Page 1 of 1

Client: Barr Engineering

Client Project ID: MP-85-Site Exland Wi / 49/55-0029.00 2012.001

CAS Project ID: P1200694

Total Petroleum Hydrocarbons (TPH) as Gasoline

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

Date(s) Collected: 2/20/12
 Date Received: 2/22/12
 Date Analyzed: 2/24/12

| Client Sample ID | CAS 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 | P1200694-001 | 1.35 | 1.0 | 120 | 7.3 | 30 | 1.8 | |
| Method Blank | P120224-MB | 1.00 | 1.0 | ND | 5.4 | ND | 1.3 | |

Parts Per Million results are based on a Molecular Weight of 100.

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.

RESULTS OF ANALYSIS

Page 1 of 1

Client: Barr Engineering

Client Project ID: MP-85-Site Exland Wi / 49/55-0029.00 2012.001

CAS Project ID: P1200694

Benzene

Test Code: EPA TO-15

Instrument ID: Tekmar AUTOCAN/HP5973/HP6890/MS3

Analyst: Simon Cao

Sampling Media: 1.0 L Summa Canister(s)

Test Notes:

Date(s) Collected: 2/20/12

Date Received: 2/22/12

Date Analyzed: 3/1/12

| Client Sample ID | CAS Sample ID | Injection | Canister | Result | MRL | Result | MRL | Data |
|------------------|---------------|-----------|----------|--------------|---------|--------------|---------|------|
| | | Volume | Dilution | | | | | |
| | | ml(s) | Factor | | | | | |
| SVE Effluent | P1200694-001 | 25 | 1.35 | 0.070 | 0.027 | 0.022 | 0.0085 | |
| Method Blank | P120301-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.

SURROGATE SPIKE RECOVERY RESULTS

Page 1 of 1

Client: Barr Engineering
Client Project ID: MP-85-Site Exland Wi / 49/55-0029.00 2012.001

CAS Project ID: P1200694

Test Code: EPA TO-15
 Instrument ID: Tekmar AUTOCAN/HP5973/HP6890/MS3
 Analyst: Simon Cao
 Sampling Media: 1.0 L Summa Canister(s)
 Test Notes:

Date(s) Collected: 2/20/12
 Date(s) Received: 2/22/12
 Date(s) Analyzed: 3/1/12

| Client Sample ID | CAS Sample ID | 1,2-Dichloroethane-d4 | Toluene-d8 | Bromofluorobenzene | Acceptance Limits | Data Qualifier |
|------------------|---------------|-----------------------|-------------------|--------------------|-------------------|----------------|
| | | Percent Recovered | Percent Recovered | Percent Recovered | | |
| Method Blank | P120301-MB | 83 | 102 | 103 | 70-130 | |
| SVE Effluent | P1200694-001 | 84 | 93 | 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.

LABORATORY REPORT

April 11, 2012

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

RE: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

Dear Hans:

Enclosed are the results of the sample submitted to our laboratory on March 28, 2012. For your reference, these analyses have been assigned our service request number P1201209.

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.caslab.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

Columbia Analytical Services, Inc. is certified by the California Department of Health Services, NELAP Laboratory Certificate No. 02115CA; Arizona Department of Health Services, Certificate No. AZ0694; Florida Department of Health, NELAP Certification E871020; New Jersey Department of Environmental Protection, NELAP Laboratory Certification ID #CA009; New York State Department of Health, NELAP NY Lab ID No: 11221; Oregon Environmental Laboratory Accreditation Program, NELAP ID: CA20007; The American Industrial Hygiene Association, Laboratory #101661; United States Department of Defense Environmental Laboratory Accreditation Program (DoD-ELAP), Certificate No. L11-203; Pennsylvania Registration No. 68-03307; TX Commission of Environmental Quality, NELAP ID T104704413-11-2; Minnesota Department of Health, NELAP Certificate No. 362188; Washington State Department of Ecology, ELAP Lab ID: C946, State of Utah Department of Health, NELAP Certificate No. CA015272011-1; Los Angeles Department of Building and Safety, Approval No: TA00001. Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact me for information corresponding to a particular certification.

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

Respectfully submitted,

Columbia Analytical Services, Inc.



Samantha Henningsen
2012.04.11 16:27:43 -07'00'

For
Kelly Horiuchi
Laboratory Director

Client: Barr Engineering
Project: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

CAS Project No: P1201209

CASE NARRATIVE

The sample was received intact under chain of custody on March 28, 2012 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).

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. The analytical system was comprised of a gas chromatograph / mass spectrometer (GC/MS) interfaced to a whole-air preconcentrator.

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

Use of Columbia Analytical Services, Inc. (CAS) Name. Client shall not use CAS's name or trademark in any marketing or reporting materials, press releases or in any other manner ("Materials") whatsoever and shall not attribute to CAS any test result, tolerance or specification derived from CAS's data ("Attribution") without CAS's prior written consent, which may be withheld by CAS for any reason in its sole discretion. To request CAS'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 CAS has not provided written approval of the Materials or Attribution within ten (10) days of receipt from Client, Client's request to use CAS's name or trademark in any Materials or Attribution shall be deemed denied. CAS 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 CAS's name or trademark may cause CAS 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.

DETAIL SUMMARY REPORT

Client: Barr Engineering
 Project ID: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

Service Request: P1201209

Date Received: 3/28/2012
 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) | | |
|------------------|--------------|--------|----------------|----------------|--------------|------------|------------|---|---|
| SVE Effluent | P1201209-001 | Air | 3/26/2012 | 12:00 | 1SC00859 | 0.46 | 5.20 | X | X |

Sample Acceptance Check Form

Client: Barr Engineering Work order: P1201209

Project: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

Sample(s) received on: 3/28/12 Date opened: 3/28/12 by: MZAMORA

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.

- | | <u>Yes</u> | <u>No</u> | <u>N/A</u> |
|--|-------------------------------------|-------------------------------------|-------------------------------------|
| 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 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 |
|-----------------|-----------------------|---------------|-------------|-------------|-------------------------------------|------------------------------------|
| P1201209-001.01 | 1.0 L Source Can | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
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| | | | | | | |
| | | | | | | |

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

RESULTS OF ANALYSIS

Page 1 of 1

Client: Barr Engineering

Client Project ID: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

CAS Project ID: P1201209

Total Petroleum Hydrocarbons (TPH) as Gasoline

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

Date(s) Collected: 3/26/12
 Date Received: 3/28/12
 Date Analyzed: 3/30/12

| Client Sample ID | CAS 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 | P1201209-001 | 1.31 | 1.0 | 53 | 24 | 15 | 6.7 | |
| Method Blank | P120330-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.

RESULTS OF ANALYSIS

Page 1 of 1

Client: Barr Engineering

Client Project ID: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

CAS Project ID: P1201209

Benzene

Test Code: EPA TO-15

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

Analyst: Elsa Moctezuma

Sampling Media: 1.0 L Summa Canister(s)

Test Notes:

Date(s) Collected: 3/26/12

Date Received: 3/28/12

Date Analyzed: 4/2/12

| Client Sample ID | CAS Sample ID | Injection | Canister | Result | MRL | Result | MRL | Data |
|------------------|---------------|-----------|----------|--------------|---------|--------------|---------|------|
| | | Volume | Dilution | | | | | |
| | | ml(s) | Factor | | | | | |
| SVE Effluent | P1201209-001 | 100 | 1.31 | 0.038 | 0.0066 | 0.012 | 0.0021 | |
| Method Blank | P120402-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.

SURROGATE SPIKE RECOVERY RESULTS

Page 1 of 1

Client: Barr Engineering
Client Project ID: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

CAS Project ID: P1201209

Test Code: EPA TO-15
 Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
 Analyst: Elsa Moctezuma
 Sampling Media: 1.0 L Summa Canister(s)
 Test Notes:

Date(s) Collected: 3/26/12
 Date(s) Received: 3/28/12
 Date(s) Analyzed: 4/2/12

| Client Sample ID | CAS Sample ID | 1,2-Dichloroethane-d4 | Toluene-d8 | Bromofluorobenzene | Acceptance Limits | Data Qualifier |
|------------------|---------------|-----------------------|-------------------|--------------------|-------------------|----------------|
| | | Percent Recovered | Percent Recovered | Percent Recovered | | |
| Method Blank | P120402-MB | 97 | 114 | 84 | 70-130 | |
| SVE Effluent | P1201209-001 | 99 | 94 | 77 | 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.

LABORATORY REPORT

May 9, 2012

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

RE: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

Dear Hans:

Enclosed are the results of the sample submitted to our laboratory on April 25, 2012. For your reference, these analyses have been assigned our service request number P1201606.

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.caslab.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

Columbia Analytical Services, Inc. is certified by the California Department of Health Services, NELAP Laboratory Certificate No. 02115CA; Arizona Department of Health Services, Certificate No. AZ0694; Florida Department of Health, NELAP Certification E871020; New Jersey Department of Environmental Protection, NELAP Laboratory Certification ID #CA009; New York State Department of Health, NELAP NY Lab ID No: 11221; Oregon Environmental Laboratory Accreditation Program, NELAP ID: CA200007; The American Industrial Hygiene Association, Laboratory #101661; United States Department of Defense Environmental Laboratory Accreditation Program (DoD-ELAP), Certificate No. L11-203; Pennsylvania Registration No. 68-03307; TX Commission of Environmental Quality, NELAP ID T104704413-11-2; Minnesota Department of Health, NELAP Certificate No. 362188; Washington State Department of Ecology, ELAP Lab ID: C946, State of Utah Department of Health, NELAP Certificate No. CA015272011-1; Los Angeles Department of Building and Safety, Approval No: TA00001. Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact me for information corresponding to a particular certification.

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

Respectfully submitted,

ALS | Environmental

Kelly Horiuchi
Laboratory Director

Client: Barr Engineering
Project: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

Service Request No: P1201606

CASE NARRATIVE

The sample was received intact under chain of custody on April 25, 2012 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).

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.

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

Use of Columbia Analytical Services, Inc. (CAS) Name. Client shall not use CAS's name or trademark in any marketing or reporting materials, press releases or in any other manner ("Materials") whatsoever and shall not attribute to CAS any test result, tolerance or specification derived from CAS's data ("Attribution") without CAS's prior written consent, which may be withheld by CAS for any reason in its sole discretion. To request CAS'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 CAS has not provided written approval of the Materials or Attribution within ten (10) days of receipt from Client, Client's request to use CAS's name or trademark in any Materials or Attribution shall be deemed denied. CAS 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 CAS's name or trademark may cause CAS 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.

DETAIL SUMMARY REPORT

Client: Barr Engineering
 Project ID: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

Service Request: P1201606

Date Received: 4/25/2012
 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) | | |
|------------------|--------------|--------|----------------|----------------|--------------|------------|------------|---|---|
| SVE Effluent | P1201606-001 | Air | 4/23/2012 | 12:00 | 1SC00906 | -0.21 | 5.29 | X | X |

Sample Acceptance Check Form

Client: Barr Engineering Work order: P1201606

Project: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

Sample(s) received on: 4/25/12 Date opened: 4/25/12 by: MZAMORA

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.

- | | <u>Yes</u> | <u>No</u> | <u>N/A</u> |
|--|-------------------------------------|-------------------------------------|-------------------------------------|
| 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 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 |
|-----------------|-----------------------|---------------|-------------|-------------|----------------------------------|---------------------------------|
| P1201606-001.01 | 1.0 L Source Can | | | | | |
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Explain any discrepancies: (include lab sample ID numbers): _____

RESULTS OF ANALYSIS

Page 1 of 1

Client: Barr Engineering

Client Project ID: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

CAS Project ID: P1201606

Total Petroleum Hydrocarbons (TPH) as Gasoline

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

Date(s) Collected: 4/23/12
 Date Received: 4/25/12
 Date Analyzed: 4/26/12

| Client Sample ID | CAS 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 | P1201606-001 | 1.38 | 1.0 | 58 | 25 | 17 | 7.1 | |
| Method Blank | P120426-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.

RESULTS OF ANALYSIS

Page 1 of 1

Client: Barr Engineering

Client Project ID: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

CAS Project ID: P1201606

Benzene

Test Code: EPA TO-15

Instrument ID: Tekmar AUTOCAN/HP5973/HP6890/MS3

Analyst: Simon Cao

Sampling Media: 1.0 L Summa Canister(s)

Test Notes:

Date(s) Collected: 4/23/12

Date Received: 4/25/12

Date Analyzed: 4/26/12

| Client Sample ID | CAS Sample ID | Injection | Canister | Result | MRL | Result | MRL | Data Qualifier |
|------------------|---------------|--------------|-----------------|-------------------|-------------------|--------------|---------|----------------|
| | | Volume ml(s) | Dilution Factor | mg/m ³ | mg/m ³ | ppmV | ppmV | |
| SVE Effluent | P1201606-001 | 50 | 1.38 | 0.034 | 0.014 | 0.011 | 0.0043 | |
| Method Blank | P120426-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.

SURROGATE SPIKE RECOVERY RESULTS

Page 1 of 1

Client: Barr Engineering
Client Project ID: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

CAS Project ID: P1201606

Test Code: EPA TO-15
 Instrument ID: Tekmar AUTOCAN/HP5973/HP6890/MS3
 Analyst: Simon Cao
 Sampling Media: 1.0 L Summa Canister(s)
 Test Notes:

Date(s) Collected: 4/23/12
 Date(s) Received: 4/25/12
 Date(s) Analyzed: 4/26/12

| Client Sample ID | CAS Sample ID | 1,2-Dichloroethane-d4 | Toluene-d8 | Bromofluorobenzene | Acceptance Limits | Data Qualifier |
|------------------|---------------|-----------------------|-------------------|--------------------|-------------------|----------------|
| | | Percent Recovered | Percent Recovered | Percent Recovered | | |
| Method Blank | P120426-MB | 92 | 99 | 103 | 70-130 | |
| SVE Effluent | P1201606-001 | 86 | 94 | 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.

LABORATORY REPORT

June 8, 2012

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

RE: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

Dear Hans:

Enclosed are the results of the sample submitted to our laboratory on May 24, 2012. For your reference, these analyses have been assigned our service request number P1202064.

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.caslab.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

Columbia Analytical Services, Inc. dba ALS Environmental (ALS) is certified by the California Department of Health Services, NELAP Laboratory Certificate No. 02115CA; Arizona Department of Health Services, Certificate No. AZ0694; Florida Department of Health, NELAP Certification E871020; New Jersey Department of Environmental Protection, NELAP Laboratory Certification ID #CA009; New York State Department of Health, NELAP NY Lab ID No: 11221; Oregon Environmental Laboratory Accreditation Program, NELAP ID: CA200007; The American Industrial Hygiene Association, Laboratory #101661; United States Department of Defense Environmental Laboratory Accreditation Program (DoD-ELAP), Certificate No. L11-203; Pennsylvania Registration No. 68-03307; TX Commission of Environmental Quality, NELAP ID T104704413-11-2; Minnesota Department of Health, NELAP Certificate No. 362188; Washington State Department of Ecology, ELAP Lab ID: C946, State of Utah Department of Health, NELAP Certificate No. CA015272011-1; Los Angeles Department of Building and Safety, Approval No: TA00001. Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact me for information corresponding to a particular certification.

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

Respectfully submitted,

ALS | Environmental

For Kelly Horiuchi
Laboratory Director

Client: Barr Engineering Service Request No: P1202064
Project: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

CASE NARRATIVE

The sample was received intact under chain of custody on May 24, 2012 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).

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.

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

Use of Columbia Analytical Services, Inc. dba 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 AALS 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.

DETAIL SUMMARY REPORT

Client: Barr Engineering
 Project ID: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

Service Request: P1202064

Date Received: 5/24/2012
 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) | | |
|------------------|--------------|--------|----------------|----------------|--------------|------------|------------|---|---|
| SVE Effluent | P1202064-001 | Air | 5/22/2012 | 11:35 | 1SC00669 | 0.12 | 5.48 | X | X |

Sample Acceptance Check Form

Client: Barr Engineering Work order: P1202064
 Project: MP-85 Site Exland Wi / 49/55-0029.00 2012 001
 Sample(s) received on: 5/24/12 Date opened: 5/24/12 by: MZAMORA

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.

- | | <u>Yes</u> | <u>No</u> | <u>N/A</u> |
|--|-------------------------------------|-------------------------------------|-------------------------------------|
| 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 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 |
|-----------------|-----------------------|---------------|-------------|-------------|----------------------------------|---------------------------------|
| P1202064-001.01 | 1.0 L Source Can | | | | | |
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Explain any discrepancies: (include lab sample ID numbers): _____

RESULTS OF ANALYSIS

Page 1 of 1

Client: Barr Engineering

Client Project ID: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

CAS Project ID: P1202064

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: 5/22/12
 Date Received: 5/24/12
 Date Analyzed: 5/31/12

| Client Sample ID | CAS 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 | P1202064-001 | 1.36 | 1.0 | 28 | 24 | 7.9 | 6.9 | |
| Method Blank | P120531-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.

RESULTS OF ANALYSIS

Page 1 of 1

Client: Barr Engineering

Client Project ID: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

CAS Project ID: P1202064

Benzene

Test Code: EPA TO-15

Instrument ID: Tekmar AUTOCAN/HP5973/HP6890/MS3

Analyst: Simon Cao

Sampling Media: 1.0 L Summa Canister(s)

Test Notes:

Date(s) Collected: 5/22/12

Date Received: 5/24/12

Date Analyzed: 6/5/12

| Client Sample ID | CAS Sample ID | Injection | Canister | Result | MRL | Result | MRL | Data |
|------------------|---------------|-----------|----------|--------------|---------|---------------|---------|------|
| | | Volume | Dilution | | | | | |
| | | ml(s) | Factor | | | | | |
| SVE Effluent | P1202064-001 | 100 | 1.36 | 0.012 | 0.0068 | 0.0038 | 0.0021 | |
| Method Blank | P120605-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.

SURROGATE SPIKE RECOVERY RESULTS

Page 1 of 1

Client: Barr Engineering
Client Project ID: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

CAS Project ID: P1202064

Test Code: EPA TO-15
 Instrument ID: Tekmar AUTOCAN/HP5973/HP6890/MS3
 Analyst: Simon Cao
 Sampling Media: 1.0 L Summa Canister(s)
 Test Notes:

Date(s) Collected: 5/22/12
 Date(s) Received: 5/24/12
 Date(s) Analyzed: 6/5/12

| Client Sample ID | CAS Sample ID | 1,2-Dichloroethane-d4 | Toluene-d8 | Bromofluorobenzene | Acceptance Limits | Data Qualifier |
|------------------|---------------|-----------------------|-------------------|--------------------|-------------------|----------------|
| | | Percent Recovered | Percent Recovered | Percent Recovered | | |
| Method Blank | P120605-MB | 91 | 103 | 96 | 70-130 | |
| SVE Effluent | P1202064-001 | 89 | 95 | 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.

LABORATORY REPORT

July 6, 2012

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

RE: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

Dear Hans:

Enclosed are the results of the sample submitted to our laboratory on June 22, 2012. For your reference, these analyses have been assigned our service request number P1202542.

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.caslab.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

Columbia Analytical Services, Inc. dba ALS Environmental (ALS) is certified by the California Department of Health Services, NELAP Laboratory Certificate No. 02115CA; Arizona Department of Health Services, Certificate No. AZ0694; Florida Department of Health, NELAP Certification E871020; New Jersey Department of Environmental Protection, NELAP Laboratory Certification ID #CA009; New York State Department of Health, NELAP NY Lab ID No: 11221; Oregon Environmental Laboratory Accreditation Program, NELAP ID: CA200007; The American Industrial Hygiene Association, Laboratory #101661; United States Department of Defense Environmental Laboratory Accreditation Program (DoD-ELAP), Certificate No. L11-203; Pennsylvania Registration No. 68-03307; TX Commission of Environmental Quality, NELAP ID T104704413-11-2; Minnesota Department of Health, NELAP Certificate No. 362188; Washington State Department of Ecology, ELAP Lab ID: C946, State of Utah Department of Health, NELAP Certificate No. CA015272011-1; Los Angeles Department of Building and Safety, Approval No: TA00001. Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact me for information corresponding to a particular certification.

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

Respectfully submitted,

ALS | Environmental



Digitally signed by Kelly Horiuchi
Date: 2012.07.06 14:42:06 -07'00'

Kelly Horiuchi
Laboratory Director

Client: Barr Engineering Service Request No: P1202542
Project: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

CASE NARRATIVE

The sample was received intact under chain of custody on June 22, 2012 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).

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.

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

Use of Columbia Analytical Services, Inc. dba 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 AALS 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.

DETAIL SUMMARY REPORT

Client: Barr Engineering
 Project ID: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

Service Request: P1202542

Date Received: 6/22/2012
 Time Received: 10:10

| | |
|--------------------------|------------------|
| 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) | | |
|------------------|--------------|--------|----------------|----------------|--------------|------------|------------|---|---|
| SVE Effluent | P1202542-001 | Air | 6/19/2012 | 13:00 | 1SC00266 | -0.04 | 4.97 | X | X |

Sample Acceptance Check Form

Client: Barr Engineering Work order: P1202542

Project: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

Sample(s) received on: 6/22/12 Date opened: 6/22/12 by: MZAMORA

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.

- | | <u>Yes</u> | <u>No</u> | <u>N/A</u> |
|--|-------------------------------------|-------------------------------------|-------------------------------------|
| 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 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 |
|-----------------|-----------------------|---------------|-------------|-------------|----------------------------------|---------------------------------|
| P1202542-001.01 | 1.0 L Source Can | | | | | |
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| | | | | | | |

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

RESULTS OF ANALYSIS

Page 1 of 1

Client: Barr Engineering

Client Project ID: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

CAS Project ID: P1202542

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: 6/19/12
 Date Received: 6/22/12
 Date Analyzed: 6/23/12

| Client Sample ID | CAS 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 | P1202542-001 | 1.34 | 1.0 | 58 | 24 | 16 | 6.8 | |
| Method Blank | P120623-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.

RESULTS OF ANALYSIS

Page 1 of 1

Client: Barr Engineering

Client Project ID: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

CAS Project ID: P1202542

Benzene

Test Code: EPA TO-15

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Analyst: Lusine Hakobyan

Sampling Media: 1.0 L Summa Canister(s)

Test Notes:

Date(s) Collected: 6/19/12

Date Received: 6/22/12

Date Analyzed: 6/25/12

| Client Sample ID | CAS Sample ID | Injection | Canister | Result | MRL | Result | MRL | Data |
|------------------|---------------|-----------|----------|--------------|---------|---------------|---------|------|
| | | Volume | Dilution | | | | | |
| | | ml(s) | Factor | | | | | |
| SVE Effluent | P1202542-001 | 50 | 1.34 | 0.028 | 0.013 | 0.0088 | 0.0042 | |
| Method Blank | P120625-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.

SURROGATE SPIKE RECOVERY RESULTS

Page 1 of 1

Client: Barr Engineering
Client Project ID: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

CAS Project ID: P1202542

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

Date(s) Collected: 6/19/12
 Date(s) Received: 6/22/12
 Date(s) Analyzed: 6/25/12

| Client Sample ID | CAS Sample ID | 1,2-Dichloroethane-d4 | Toluene-d8 | Bromofluorobenzene | Acceptance Limits | Data Qualifier |
|------------------|---------------|-----------------------|-------------------|--------------------|-------------------|----------------|
| | | Percent Recovered | Percent Recovered | Percent Recovered | | |
| Method Blank | P120625-MB | 94 | 99 | 110 | 70-130 | |
| SVE Effluent | P1202542-001 | 93 | 93 | 103 | 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.

LABORATORY REPORT

August 15, 2012

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

RE: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

Dear Hans:

Enclosed are the results of the sample submitted to our laboratory on August 1, 2012. For your reference, this analysis has been assigned our service request number P1203123.

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.caslab.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

Columbia Analytical Services, Inc. dba ALS Environmental (ALS) is certified by the California Department of Health Services, NELAP Laboratory Certificate No. 02115CA; Arizona Department of Health Services, Certificate No. AZ0694; Florida Department of Health, NELAP Certification E871020; New Jersey Department of Environmental Protection, NELAP Laboratory Certification ID #CA009; New York State Department of Health, NELAP NY Lab ID No: 11221; Oregon Environmental Laboratory Accreditation Program, NELAP ID: CA200007; The American Industrial Hygiene Association, Laboratory #101661; United States Department of Defense Environmental Laboratory Accreditation Program (DoD-ELAP), Certificate No. L11-203; Pennsylvania Registration No. 68-03307; TX Commission of Environmental Quality, NELAP ID T104704413-12-3; Minnesota Department of Health, NELAP Certificate No. 362188; Washington State Department of Ecology, ELAP Lab ID: C946, State of Utah Department of Health, NELAP Certificate No. CA01527Z012-Z; Los Angeles Department of Building and Safety, Approval No: TA00001. Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact me for information corresponding to a particular certification.

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

Respectfully submitted,

ALS | Environmental



Digitally signed by Kelly Horiuchi
Date: 2012.08.15 09:28:05 -07'00'

Kelly Horiuchi
Laboratory Director

Client: Barr Engineering Service Request No: P1203123
Project: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

CASE NARRATIVE

The sample was received intact under chain of custody on August 1, 2012 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 analysis for Benzene was cancelled due to an analyst error that compromised the sample which occurred after completing the TPH-Gas analysis.

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).

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

Use of Columbia Analytical Services, Inc. dba 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 AALS 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.

DETAIL SUMMARY REPORT

Client: Barr Engineering
 Project ID: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

Service Request: P1203123

Date Received: 8/1/2012
 Time Received: 10:15

TO-3 Modified - TPHG Can

| Client Sample ID | Lab Code | Matrix | Date Collected | Time Collected | Container ID | Pi1 (psig) | Pf1 (psig) | 2nd Pi (psig) | 2nd Pf (psig) | |
|------------------|--------------|--------|----------------|----------------|--------------|------------|------------|---------------|---------------|---|
| SVE EFFLUENT | P1203123-001 | Air | 7/30/2012 | 12:15 | 1SC00200 | -0.52 | 5.16 | -0.01 | 6.54 | 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. **P1203123**

| Company Name & Address (Reporting Information) Barr Engineering 4700 WEST 77th ST MINNEAPOLIS MINN | | | | Project Name mp 85 Site Exland Wi | | | | | CAS Contact: | | Analysis Method | Comments e.g. Actual Preservative or specific instructions |
|---|----------------------|---------------------|----------------|--|--|-----------------------------|--------------------------------|---------------|----------------------------------|--|-----------------|---|
| Project Manager Jon Aspice | | | | Project Number 49/55-0029.00 2012 001 | | | | | P.O. # / Billing Information | | | |
| Phone 952-832-2777 | | Fax 952-832-2601 | | Sampler (Print & Sign) | | | | | | | | |
| Email Address for Result Reporting J ASPICE @ 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 | THCA'S TO15 Benzene Only X | | | |
| SVE EFFLUENT | | 7/30/12 | 12:15 | | | | | | | | | |
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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>[Signature]</i> | Date: 7/30/12 | Time: 1:00pm | Received by: (Signature) <i>[Signature]</i> | Date: 8/1/12 | Time: 10:15 |
| Relinquished by: (Signature) | Date: | Time: | Received by: (Signature) | Date: | Time: |

Cooler / Blank Temperature _____ °C

4 of 6

Sample Acceptance Check Form

Client: Barr Engineering Work order: P1203123

Project: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

Sample(s) received on: 8/1/12 Date opened: 8/1/12 by: RMARTENIES

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.

- | | <u>Yes</u> | <u>No</u> | <u>N/A</u> |
|--|-------------------------------------|-------------------------------------|-------------------------------------|
| 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 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 |
|-----------------|-----------------------|---------------|-------------|-------------|-------------------------------------|------------------------------------|
| P1203123-001.01 | 1.0 L Source Can | | | | | |
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Explain any discrepancies: (include lab sample ID numbers): _____

RESULTS OF ANALYSIS

Page 1 of 1

Client: Barr Engineering

Client Project ID: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

CAS Project ID: P1203123

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: 7/30/12
 Date Received: 8/1/12
 Date Analyzed: 8/1/12

| Client Sample ID | CAS 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 | P1203123-001 | 1.40 | 1.0 | 50 | 25 | 14 | 7.2 | |
| Method Blank | P120801-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.

LABORATORY REPORT

September 14, 2012

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

RE: MP-85 Site Exland Wi / 49/55-0029.00 2012.001

Dear Hans:

Enclosed are the results of the sample submitted to our laboratory on August 31, 2012. For your reference, these analyses have been assigned our service request number P1203588.

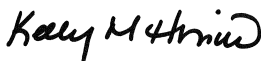
All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP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

Columbia Analytical Services, Inc. dba ALS Environmental (ALS) is certified by the California Department of Health Services, NELAP Laboratory Certificate No. 02115CA; Arizona Department of Health Services, Certificate No. AZ0694; Florida Department of Health, NELAP Certification E871020; New Jersey Department of Environmental Protection, NELAP Laboratory Certification ID #CA009; New York State Department of Health, NELAP NY Lab ID No: 11221; Oregon Environmental Laboratory Accreditation Program, NELAP ID: CA200007; The American Industrial Hygiene Association, Laboratory #101661; United States Department of Defense Environmental Laboratory Accreditation Program (DoD-ELAP), Certificate No. L11-203; Pennsylvania Registration No. 68-03307; TX Commission of Environmental Quality, NELAP ID T104704413-12-3; Minnesota Department of Health, NELAP Certificate No. 362188; Washington State Department of Ecology, ELAP Lab ID: C946, State of Utah Department of Health, NELAP Certificate No. CA01527Z012-Z; Los Angeles Department of Building and Safety, Approval No: TA00001. Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact me for information corresponding to a particular certification.

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

Respectfully submitted,

ALS | Environmental



Digitally signed by Kelly Horiuchi
Date: 2012.09.17 15:47:19 -07'00'

Kelly Horiuchi
Laboratory Director

Client: Barr Engineering Service Request No: P1203588
Project: MP-85 Site Exland Wi / 49/55-0029.00 2012.001

CASE NARRATIVE

The sample was received intact under chain of custody on August 31, 2012 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).

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.

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

Use of Columbia Analytical Services, Inc. dba 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 AALS 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.

DETAIL SUMMARY REPORT

Client: Barr Engineering
 Project ID: MP-85 Site Exland Wi / 49/55-0029.00 2012.001
 Date Received: 8/31/2012
 Time Received: 10:00

Service Request: P1203588

| 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 | P1203588-001 | Air | 8/29/2012 | 12:48 | 1SC00574 | -0.79 | 5.22 | X | X |

Sample Acceptance Check Form

Client: Barr Engineering Work order: P1203588

Project: MP-85 Site Exland Wi / 49/55-0029.00 2012.001

Sample(s) received on: 8/31/12 Date opened: 8/31/12 by: MZAMORA

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.

- | | <u>Yes</u> | <u>No</u> | <u>N/A</u> |
|--|-------------------------------------|-------------------------------------|-------------------------------------|
| 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 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 |
|-----------------|-----------------------|---------------|-------------|-------------|-------------------------------------|------------------------------------|
| P1203588-001.01 | 1.0 L Source Can | | | | | |
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Explain any discrepancies: (include lab sample ID numbers): _____

RESULTS OF ANALYSIS

Page 1 of 1

Client: Barr Engineering

Client Project ID: MP-85 Site Exland Wi / 49/55-0029.00 2012.001

CAS Project ID: P1203588

Total Petroleum Hydrocarbons (TPH) as Gasoline

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

Date(s) Collected: 8/29/12
 Date Received: 8/31/12
 Date Analyzed: 9/6/12

| Client Sample ID | CAS 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 | P1203588-001 | 1.43 | 1.0 | 91 | 26 | 26 | 7.3 | |
| Method Blank | P120906-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.

RESULTS OF ANALYSIS

Page 1 of 1

Client: Barr Engineering

Client Project ID: MP-85 Site Exland Wi / 49/55-0029.00 2012.001

CAS Project ID: P1203588

Benzene

Test Code: EPA TO-15

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Analyst: Lusine Hakobyan

Sampling Media: 1.0 L Summa Canister(s)

Test Notes:

Date(s) Collected: 8/29/12

Date Received: 8/31/12

Date Analyzed: 9/5/12

| Client Sample ID | CAS Sample ID | Injection | Canister | Result | MRL | Result | MRL | Data |
|------------------|---------------|-----------|----------|--------------|---------|--------------|---------|------|
| | | Volume | Dilution | | | | | |
| | | ml(s) | Factor | | | | | |
| SVE Effluent | P1203588-001 | 50 | 1.43 | 0.044 | 0.014 | 0.014 | 0.0045 | |
| Method Blank | P120905-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.

SURROGATE SPIKE RECOVERY RESULTS

Page 1 of 1

Client: Barr Engineering
Client Project ID: MP-85 Site Exland Wi / 49/55-0029.00 2012.001

CAS Project ID: P1203588

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

Date(s) Collected: 8/29/12
 Date(s) Received: 8/31/12
 Date(s) Analyzed: 9/5/12

| Client Sample ID | CAS Sample ID | 1,2-Dichloroethane-d4 | Toluene-d8 | Bromofluorobenzene | Acceptance Limits | Data Qualifier |
|------------------|---------------|-----------------------|-------------------|--------------------|-------------------|----------------|
| | | Percent Recovered | Percent Recovered | Percent Recovered | | |
| Method Blank | P120905-MB | 104 | 98 | 101 | 70-130 | |
| SVE Effluent | P1203588-001 | 105 | 80 | 89 | 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.

LABORATORY REPORT

October 11, 2012

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

RE: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

Dear Hans:

Enclosed are the results of the sample submitted to our laboratory on October 1, 2012. For your reference, these analyses have been assigned our service request number P1204025.

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.caslab.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

Columbia Analytical Services, Inc. dba ALS Environmental (ALS) is certified by the California Department of Health Services, NELAP Laboratory Certificate No. 02115CA; Arizona Department of Health Services, Certificate No. AZ0694; Florida Department of Health, NELAP Certification E871020; New Jersey Department of Environmental Protection, NELAP Laboratory Certification ID #CA009; New York State Department of Health, NELAP NY Lab ID No: 11221; Oregon Environmental Laboratory Accreditation Program, NELAP ID: CA200007; The American Industrial Hygiene Association, Laboratory #101661; United States Department of Defense Environmental Laboratory Accreditation Program (DoD-ELAP), Certificate No. L11-203; Pennsylvania Registration No. 68-03307; TX Commission of Environmental Quality, NELAP ID T104704413-12-3; Minnesota Department of Health, NELAP Certificate No. 362188; Washington State Department of Ecology, ELAP Lab ID: C946, State of Utah Department of Health, NELAP Certificate No. CA01527Z012-Z; Los Angeles Department of Building and Safety, Approval No: TA00001. Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact me for information corresponding to a particular certification.

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

Respectfully submitted,

ALS | Environmental



Digitally signed by Kelly Horiuchi
Date: 2012.10.11 12:17:36 -07'00'

Kelly Horiuchi
Laboratory Director

Client: Barr Engineering Service Request No: P1204025
Project: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

CASE NARRATIVE

The sample was received intact under chain of custody on October 1, 2012 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).

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. The analytical system was comprised of a gas chromatograph / mass spectrometer (GC/MS) interfaced to a whole-air preconcentrator.

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

Use of Columbia Analytical Services, Inc. dba 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 AALS 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.

DETAIL SUMMARY REPORT

Client: Barr Engineering
 Project ID: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

Service Request: P1204025

Date Received: 10/1/2012
 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) | | |
|------------------|--------------|--------|----------------|----------------|--------------|------------|------------|---|---|
| SVE Effluent | P1204025-001 | Air | 9/25/2012 | 15:30 | 1SC00752 | 0.83 | 6.48 | X | X |

Sample Acceptance Check Form

Client: Barr Engineering Work order: P1204025

Project: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

Sample(s) received on: 10/1/12 Date opened: 10/1/12 by: MZAMORA

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.

- | | <u>Yes</u> | <u>No</u> | <u>N/A</u> |
|--|-------------------------------------|-------------------------------------|-------------------------------------|
| 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 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 |
|-----------------|-----------------------|---------------|-------------|-------------|----------------------------------|---------------------------------|
| P1204025-001.01 | 1.0 L Source Can | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

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

RESULTS OF ANALYSIS

Page 1 of 1

Client: Barr Engineering

Client Project ID: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

CAS Project ID: P1204025

Total Petroleum Hydrocarbons (TPH) as Gasoline

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

Date(s) Collected: 9/25/12
 Date Received: 10/1/12
 Date Analyzed: 10/3/12

| Client Sample ID | CAS 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 | P1204025-001 | 1.36 | 1.0 | 81 | 24 | 23 | 6.9 | |
| Method Blank | P121003-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.

RESULTS OF ANALYSIS

Page 1 of 1

Client: Barr Engineering

Client Project ID: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

CAS Project ID: P1204025

Benzene

Test Code: EPA TO-15

Instrument ID: Tekmar AUTOCAN/HP5973/HP6890/MS3

Analyst: Simon Cao

Sampling Media: 1.0 L Summa Canister(s)

Test Notes:

Date(s) Collected: 9/25/12

Date Received: 10/1/12

Date Analyzed: 10/3/12

| Client Sample ID | CAS Sample ID | Injection | Canister | Result | MRL | Result | MRL | Data |
|------------------|---------------|-----------|----------|--------------|---------|--------------|---------|------|
| | | Volume | Dilution | | | | | |
| | | ml(s) | Factor | | | | | |
| SVE Effluent | P1204025-001 | 25 | 1.36 | 0.047 | 0.027 | 0.015 | 0.0085 | |
| Method Blank | P121003-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.

SURROGATE SPIKE RECOVERY RESULTS

Page 1 of 1

Client: Barr Engineering
Client Project ID: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

CAS Project ID: P1204025

Test Code: EPA TO-15
 Instrument ID: Tekmar AUTOCAN/HP5973/HP6890/MS3
 Analyst: Simon Cao
 Sampling Media: 1.0 L Summa Canister(s)
 Test Notes:

Date(s) Collected: 9/25/12
 Date(s) Received: 10/1/12
 Date(s) Analyzed: 10/3/12

| Client Sample ID | CAS Sample ID | 1,2-Dichloroethane-d4 | Toluene-d8 | Bromofluorobenzene | Acceptance Limits | Data Qualifier |
|------------------|---------------|-----------------------|-------------------|--------------------|-------------------|----------------|
| | | Percent Recovered | Percent Recovered | Percent Recovered | | |
| Method Blank | P121003-MB | 92 | 103 | 102 | 70-130 | |
| SVE Effluent | P1204025-001 | 93 | 95 | 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.

LABORATORY REPORT

November 13, 2012

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

RE: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

Dear Hans:

Enclosed are the results of the sample submitted to our laboratory on November 2, 2012. For your reference, these analyses have been assigned our service request number P1204526.

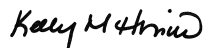
All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP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

Columbia Analytical Services, Inc. dba ALS Environmental (ALS) is certified by the California Department of Health Services, NELAP Laboratory Certificate No. 02115CA; Arizona Department of Health Services, Certificate No. AZ0694; Florida Department of Health, NELAP Certification E871020; New Jersey Department of Environmental Protection, NELAP Laboratory Certification ID #CA009; New York State Department of Health, NELAP NY Lab ID No: 11221; Oregon Environmental Laboratory Accreditation Program, NELAP ID: CA200007; The American Industrial Hygiene Association, Laboratory #101661; United States Department of Defense Environmental Laboratory Accreditation Program (DoD-ELAP), Certificate No. L11-203; Pennsylvania Registration No. 68-03307; TX Commission of Environmental Quality, NELAP ID T104704413-12-3; Minnesota Department of Health, NELAP Certificate No. 362188; Washington State Department of Ecology, ELAP Lab ID: C946, State of Utah Department of Health, NELAP Certificate No. CA01527Z012-Z; Los Angeles Department of Building and Safety, Approval No: TA00001. Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact me for information corresponding to a particular certification.

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

Respectfully submitted,

ALS | Environmental



Digitally signed by Kelly
Horiuchi
Date: 2012.11.13 14:58:47
-08'00'

Kelly Horiuchi
Laboratory Director

Client: Barr Engineering Service Request No: P1204526
Project: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

CASE NARRATIVE

The sample was received intact under chain of custody on November 2, 2012 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).

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. The analytical system was comprised of a gas chromatograph / mass spectrometer (GC/MS) interfaced to a whole-air preconcentrator.

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

Use of Columbia Analytical Services, Inc. dba 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.

DETAIL SUMMARY REPORT

Client: Barr Engineering
 Project ID: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

Service Request: P1204526

Date Received: 11/2/2012
 Time Received: 10:10

| | |
|--------------------------|------------------|
| 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) | | |
|------------------|--------------|--------|----------------|----------------|--------------|------------|------------|---|---|
| SVE Effluent | P1204526-001 | Air | 10/30/2012 | 10:00 | 1SC00272 | 0.29 | 5.29 | X | X |

Sample Acceptance Check Form

Client: Barr Engineering Work order: P1204526

Project: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

Sample(s) received on: 11/2/12 Date opened: 11/2/12 by: MZAMORA

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.

- | | <u>Yes</u> | <u>No</u> | <u>N/A</u> |
|--|-------------------------------------|-------------------------------------|-------------------------------------|
| 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 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 |
|-----------------|-----------------------|---------------|-------------|-------------|-------------------------------------|------------------------------------|
| P1204526-001.01 | 1.0 L Source Can | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

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

RESULTS OF ANALYSIS

Page 1 of 1

Client: Barr Engineering

Client Project ID: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

CAS Project ID: P1204526

Total Petroleum Hydrocarbons (TPH) as Gasoline

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

Date(s) Collected: 10/30/12
 Date Received: 11/2/12
 Date Analyzed: 11/6/12

| Client Sample ID | CAS 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 | P1204526-001 | 1.33 | 1.0 | 74 | 24 | 21 | 6.8 | |
| Method Blank | P121106-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.

RESULTS OF ANALYSIS

Page 1 of 1

Client: Barr Engineering

Client Project ID: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

CAS Project ID: P1204526

Benzene

Test Code: EPA TO-15

Instrument ID: Tekmar AUTOCAN/HP5973/HP6890/MS3

Analyst: Elsa Moctezuma

Sample Type: 1.0 L Summa Canister(s)

Test Notes:

Date(s) Collected: 10/30/12

Date Received: 11/2/12

Date Analyzed: 11/7/12

| Client Sample ID | CAS Sample ID | Injection | Canister | Result | MRL | Result | MRL | Data |
|------------------|---------------|-----------|----------|-------------------|-------------------|---------------|---------|------|
| | | Volume | Dilution | | | | | |
| | | ml(s) | Factor | mg/m ³ | mg/m ³ | | | |
| SVE Effluent | P1204526-001 | 45 | 1.33 | 0.031 | 0.015 | 0.0099 | 0.0046 | |
| Method Blank | P121107-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.

SURROGATE SPIKE RECOVERY RESULTS

Page 1 of 1

Client: Barr Engineering
Client Project ID: MP-85 Site Exland Wi / 49/55-0029.00 2012 001

CAS Project ID: P1204526

Test Code: EPA TO-15
 Instrument ID: Tekmar AUTOCAN/HP5973/HP6890/MS3
 Analyst: Elsa Moctezuma
 Sample Type: 1.0 L Summa Canister(s)
 Test Notes:

Date(s) Collected: 10/30/12
 Date(s) Received: 11/2/12
 Date(s) Analyzed: 11/7/12

| Client Sample ID | CAS Sample ID | 1,2-Dichloroethane-d4 | Toluene-d8 | Bromofluorobenzene | Acceptance Limits | Data Qualifier |
|------------------|---------------|-----------------------|-------------------|--------------------|-------------------|----------------|
| | | Percent Recovered | Percent Recovered | Percent Recovered | | |
| Method Blank | P121107-MB | 97 | 98 | 103 | 70-130 | |
| SVE Effluent | P1204526-001 | 97 | 87 | 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.

LABORATORY REPORT

November 29, 2012

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

RE: MP-85 Site Exland Wi / 49/55/0029.00.2012.001

Dear Hans:

Enclosed are the results of the sample submitted to our laboratory on November 14, 2012. For your reference, these analyses have been assigned our service request number P1204702.

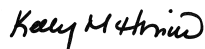
All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP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

Columbia Analytical Services, Inc. dba ALS Environmental (ALS) is certified by the California Department of Health Services, NELAP Laboratory Certificate No. 02115CA; Arizona Department of Health Services, Certificate No. AZ0694; Florida Department of Health, NELAP Certification E871020; New Jersey Department of Environmental Protection, NELAP Laboratory Certification ID #CA009; New York State Department of Health, NELAP NY Lab ID No: 11221; Oregon Environmental Laboratory Accreditation Program, NELAP ID: CA200007; The American Industrial Hygiene Association, Laboratory #101661; United States Department of Defense Environmental Laboratory Accreditation Program (DoD-ELAP), Certificate No. L11-203; Pennsylvania Registration No. 68-03307; TX Commission of Environmental Quality, NELAP ID T104704413-12-3; Minnesota Department of Health, NELAP Certificate No. 362188; Washington State Department of Ecology, ELAP Lab ID: C946, State of Utah Department of Health, NELAP Certificate No. CA01527Z012-Z; Los Angeles Department of Building and Safety, Approval No: TA00001. Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact me for information corresponding to a particular certification.

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

Respectfully submitted,

ALS | Environmental



Digitally signed by Kelly Horiuchi
Date: 2012.11.29 15:50:22 -08'00'

Kelly Horiuchi
Laboratory Director

Client: Barr Engineering Service Request No: P1204702
Project: MP-85 Site Exland Wi / 49/55/0029.00.2012.001

CASE NARRATIVE

The sample was received intact under chain of custody on November 14, 2012 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).

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.

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

Use of Columbia Analytical Services, Inc. dba 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.

DETAIL SUMMARY REPORT

Client: Barr Engineering
 Project ID: MP-85 Site Exland Wi / 49/55/0029.00.2012.001

Service Request: P1204702

Date Received: 11/14/2012
 Time Received: 10:10

| | |
|--------------------------|------------------|
| 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) | | |
|------------------|--------------|--------|----------------|----------------|--------------|------------|------------|---|---|
| SVE Effluent | P1204702-001 | Air | 11/12/2012 | 12:30 | 1SC01069 | -0.03 | 5.86 | X | X |

Sample Acceptance Check Form

Client: Barr Engineering Work order: P1204702

Project: MP-85 Site Exland Wi / 49/55/0029.00.2012.001

Sample(s) received on: 11/14/12 Date opened: 11/14/12 by: MZAMORA

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.

- | | <u>Yes</u> | <u>No</u> | <u>N/A</u> |
|--|-------------------------------------|-------------------------------------|-------------------------------------|
| 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 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 |
|-----------------|-----------------------|---------------|-------------|-------------|----------------------------------|---------------------------------|
| P1204702-001.01 | 1.0 L Source Can | | | | | |
| | | | | | | |
| | | | | | | |
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| | | | | | | |
| | | | | | | |

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

RESULTS OF ANALYSIS

Page 1 of 1

Client: Barr Engineering

Client Project ID: MP-85 Site Exland Wi / 49/55/0029.00.2012.001

CAS Project ID: P1204702

Total Petroleum Hydrocarbons (TPH) as Gasoline

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

Date(s) Collected: 11/12/12
 Date Received: 11/14/12
 Date Analyzed: 11/21/12

| Client Sample ID | CAS 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 | P1204702-001 | 1.40 | 1.0 | 44 | 25 | 13 | 7.2 | |
| Method Blank | P121121-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.

RESULTS OF ANALYSIS

Page 1 of 1

Client: Barr Engineering

Client Project ID: MP-85 Site Exland Wi / 49/55/0029.00.2012.001

CAS Project ID: P1204702

Benzene

Test Code: EPA TO-15

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13

Analyst: Chris Cornett

Sample Type: 1.0 L Summa Canister(s)

Test Notes:

Date(s) Collected: 11/12/12

Date Received: 11/14/12

Date Analyzed: 11/16/12

| Client Sample ID | CAS Sample ID | Injection | Canister | Result mg/m ³ | MRL mg/m ³ | Result ppmV | MRL ppmV | Data Qualifier |
|------------------|---------------|-----------------|--------------------|-----------------------------|--------------------------|----------------|-------------|-------------------|
| | | Volume ml(s) | Dilution Factor | | | | | |
| SVE Effluent | P1204702-001 | 50 | 1.40 | 0.022 | 0.014 | 0.0069 | 0.0044 | |
| Method Blank | P121116-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.

SURROGATE SPIKE RECOVERY RESULTS

Page 1 of 1

Client: Barr Engineering
Client Project ID: MP-85 Site Exland Wi / 49/55/0029.00.2012.001

CAS Project ID: P1204702

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

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

| Client Sample ID | CAS Sample ID | 1,2-Dichloroethane-d4 | Toluene-d8 | Bromofluorobenzene | Acceptance Limits | Data Qualifier |
|------------------|---------------|-----------------------|-------------------|--------------------|-------------------|----------------|
| | | Percent Recovered | Percent Recovered | Percent Recovered | | |
| Method Blank | P121116-MB | 115 | 97 | 97 | 70-130 | |
| SVE Effluent | P1204702-001 | 114 | 98 | 103 | 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.

LABORATORY REPORT

January 8, 2013

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

RE: Exland Wi Enbridge MP-85 Site

Dear Hans:

Enclosed are the results of the sample submitted to our laboratory on December 20, 2012. For your reference, these analyses have been assigned our service request number P1205240.

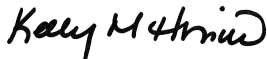
All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP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

Columbia Analytical Services, Inc. dba ALS Environmental (ALS) is certified by the California Department of Health Services, NELAP Laboratory Certificate No. 02115CA; Arizona Department of Health Services, Certificate No. AZ0694; Florida Department of Health, NELAP Certification E871020; New Jersey Department of Environmental Protection, NELAP Laboratory Certification ID #CA009; New York State Department of Health, NELAP NY Lab ID No: 11221; Oregon Environmental Laboratory Accreditation Program, NELAP ID: CA200007; The American Industrial Hygiene Association, Laboratory #101661; United States Department of Defense Environmental Laboratory Accreditation Program (DoD-ELAP), Certificate No. L11-203; Pennsylvania Registration No. 68-03307; TX Commission of Environmental Quality, NELAP ID T104704413-12-3; Minnesota Department of Health, NELAP Certificate No. 362188; Washington State Department of Ecology, ELAP Lab ID: C946, State of Utah Department of Health, NELAP Certificate No. CA01527Z012-Z; Los Angeles Department of Building and Safety, Approval No: TA00001. Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact me for information corresponding to a particular certification.

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

Respectfully submitted,

ALS | Environmental



By Kelly Horiuchi at 12:46 pm, Jan 08, 2013

Kelly Horiuchi
Laboratory Director

Client: Barr Engineering
Project: Exland Wi Enbridge MP-85 Site

Service Request No: P1205240

CASE NARRATIVE

The sample was received intact under chain of custody on December 20, 2012 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 method is not included on the laboratory's NELAP 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. 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 results of analyses are given in the attached laboratory report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. dba ALS Environmental (ALS) is not responsible for utilization of less than the complete report.

Use of Columbia Analytical Services, Inc. dba 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.

DETAIL SUMMARY REPORT

Client: Barr Engineering
 Project ID: Exland Wi Enbridge MP-85 Site

Service Request: P1205240

Date Received: 12/20/2012
 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 | P1205240-001 | Air | 12/17/2012 | 12:30 | ISC00592 | -0.13 | 5.28 | X | X |

Sample Acceptance Check Form

Client: Barr Engineering Work order: P1205240
 Project: Exland Wi Enbridge MP-85 Site
 Sample(s) received on: 12/20/12 Date opened: 12/20/12 by: MZAMORA

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 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 |
|-----------------|-----------------------|---------------|-------------|-------------|----------------------------------|---------------------------------|
| P1205240-001.01 | 1.0 L Source Can | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

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

RESULTS OF ANALYSIS

Page 1 of 1

Client: Barr Engineering

Client Project ID: Exland Wi Enbridge MP-85 Site

CAS Project ID: P1205240

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: 12/17/12
 Date Received: 12/20/12
 Date Analyzed: 12/27/12

| Client Sample ID | CAS 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 | P1205240-001 | 1.37 | 1.0 | 81 | 25 | 23 | 7.0 | |
| Method Blank | P121227-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.

RESULTS OF ANALYSIS

Page 1 of 1

Client: Barr Engineering
Client Project ID: Exland Wi Enbridge MP-85 Site

CAS Project ID: P1205240

Benzene

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

Date(s) Collected: 12/17/12
 Date Received: 12/20/12
 Date Analyzed: 12/28/12

| Client Sample ID | CAS Sample ID | Injection | Canister | Result | MRL | Result | MRL | Data |
|------------------|---------------|-----------|----------|--------------|---------|--------------|---------|------|
| | | Volume | Dilution | | | | | |
| | | ml(s) | Factor | | | | | |
| SVE Effluent | P1205240-001 | 25 | 1.37 | 0.035 | 0.027 | 0.011 | 0.0086 | |
| Method Blank | P121228-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.

SURROGATE SPIKE RECOVERY RESULTS

Page 1 of 1

Client: Barr Engineering
Client Project ID: Exland Wi Enbridge MP-85 Site

CAS Project ID: P1205240

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

Date(s) Collected: 12/17/12
 Date(s) Received: 12/20/12
 Date(s) Analyzed: 12/28/12

| Client Sample ID | CAS Sample ID | 1,2-Dichloroethane-d4 | Toluene-d8 | Bromofluorobenzene | Acceptance Limits | Data Qualifier |
|------------------|---------------|-----------------------|-------------------|--------------------|-------------------|----------------|
| | | Percent Recovered | Percent Recovered | Percent Recovered | | |
| Method Blank | P121228-MB | 103 | 99 | 98 | 70-130 | |
| SVE Effluent | P1205240-001 | 96 | 83 | 86 | 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.



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

May 04, 2012

REVISION

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1201403
RE: 49550029

This is a revised report. The details of the revision are listed in the case narrative on the following page.

Enclosed are the results of analyses for samples received by the laboratory on 03/28/12. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

WI Certification #998022410

Prepared by,
LEGEND TECHNICAL SERVICES, INC

Handwritten signature of Bach Pham in black ink.

Bach Pham
Client Manager I
bpham@legend-group.com

Handwritten signature of Tyler Jones in black ink.

Tyler Jones
Chemist I
tjones@legend-group.com

| | | |
|---|--|--|
| Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435 | Project: 49550029 Project Number: 49550029.00 2012 001 MP85 Project Manager: Ms. Andrea Nord | Work Order #: 1201403 Date Reported: 05/04/12 |
|---|--|--|

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-------------|---------------|--------|----------------|----------------|
| MW-16 | 1201403-01 | Water | 03/26/12 14:10 | 03/28/12 10:05 |
| MW-15 | 1201403-02 | Water | 03/26/12 13:43 | 03/28/12 10:05 |
| MW-14 | 1201403-03 | Water | 03/26/12 15:02 | 03/28/12 10:05 |
| MW-29 | 1201403-04 | Water | 03/26/12 12:40 | 03/28/12 10:05 |
| MW-27 | 1201403-05 | Water | 03/26/12 12:57 | 03/28/12 10:05 |
| MW-21 | 1201403-06 | Water | 03/26/12 13:15 | 03/28/12 10:05 |
| MW-12 | 1201403-07 | Water | 03/26/12 14:40 | 03/28/12 10:05 |
| MW-2 | 1201403-08 | Water | 03/26/12 16:04 | 03/28/12 10:05 |
| MW-6 | 1201403-09 | Water | 03/26/12 15:19 | 03/28/12 10:05 |
| MW-5 | 1201403-10 | Water | 03/26/12 15:41 | 03/28/12 10:05 |
| MW-34 | 1201403-11 | Water | 03/27/12 08:55 | 03/28/12 10:05 |
| MW-33 | 1201403-12 | Water | 03/27/12 09:52 | 03/28/12 10:05 |
| M-1 | 1201403-13 | Water | 03/27/12 00:00 | 03/28/12 10:05 |
| MW-7 | 1201403-14 | Water | 03/27/12 10:15 | 03/28/12 10:05 |
| Rinse Blank | 1201403-15 | Water | 03/27/12 10:00 | 03/28/12 10:05 |
| Trip Blank | 1201403-16 | Water | 03/26/12 00:00 | 03/28/12 10:05 |

Shipping Container Information

Default Cooler Temperature (°C): 1.7

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: No

Case Narrative:

This report was revised on May 4, 2012 to change the sample name for 1201403-14 from M-7 to MW-7. This report supercedes the report dated April 6, 2012.

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| Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435 | Project: 49550029 Project Number: 49550029.00 2012 001 MP85 Project Manager: Ms. Andrea Nord | Work Order #: 1201403 Date Reported: 05/04/12 |
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WI(95) GRO/8015B
Legend Technical Services, Inc.

| Analyte | Result | RL | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|--------|-----|-------|----------|----------|---------|----------|----------|------------|-------|
| MW-16 (1201403-01) Water Sampled: 03/26/12 14:10 Received: 03/28/12 10:05 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | <1.0 | 1.0 | 0.16 | ug/L | 1 | B2C2811 | 03/28/12 | 03/28/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | <1.0 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | <1.0 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | <1.0 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | <3.0 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 96.9 | | | 80-150 % | | " | " | " | " | |
| MW-15 (1201403-02) Water Sampled: 03/26/12 13:43 Received: 03/28/12 10:05 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | <1.0 | 1.0 | 0.16 | ug/L | 1 | B2C2811 | 03/28/12 | 03/28/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | <1.0 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | <1.0 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | <1.0 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | <3.0 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 91.4 | | | 80-150 % | | " | " | " | " | |
| MW-14 (1201403-03) Water Sampled: 03/26/12 15:02 Received: 03/28/12 10:05 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | <1.0 | 1.0 | 0.16 | ug/L | 1 | B2C2811 | 03/28/12 | 03/28/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | <1.0 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | <1.0 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | <1.0 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | <3.0 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 91.4 | | | 80-150 % | | " | " | " | " | |
| MW-29 (1201403-04) Water Sampled: 03/26/12 12:40 Received: 03/28/12 10:05 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | <1.0 | 1.0 | 0.16 | ug/L | 1 | B2C2811 | 03/28/12 | 03/28/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | <1.0 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | <1.0 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | <1.0 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | <3.0 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 92.4 | | | 80-150 % | | " | " | " | " | |
| MW-27 (1201403-05) Water Sampled: 03/26/12 12:57 Received: 03/28/12 10:05 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | <1.0 | 1.0 | 0.16 | ug/L | 1 | B2C2811 | 03/28/12 | 03/28/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | <1.0 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | <1.0 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | <1.0 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |

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| Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435 | Project: 49550029 Project Number: 49550029.00 2012 001 MP85 Project Manager: Ms. Andrea Nord | Work Order #: 1201403 Date Reported: 05/04/12 |
|---|--|--|

WI(95) GRO/8015B
Legend Technical Services, Inc.

| Analyte | Result | RL | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|--------|-----|-------|----------|----------|---------|----------|----------|------------|-------|
| MW-27 (1201403-05) Water Sampled: 03/26/12 12:57 Received: 03/28/12 10:05 | | | | | | | | | | |
| Xylenes (total) | <3.0 | 3.0 | 0.19 | ug/L | 1 | B2C2811 | 03/28/12 | 03/28/12 | WI(95) GRO | |
| Surrogate: 4-Fluorochlorobenzene | 93.0 | | | 80-150 % | | " | " | " | " | |
| MW-21 (1201403-06) Water Sampled: 03/26/12 13:15 Received: 03/28/12 10:05 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | <1.0 | 1.0 | 0.16 | ug/L | 1 | B2C2811 | 03/28/12 | 03/28/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | <1.0 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | <1.0 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | <1.0 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | <3.0 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 91.9 | | | 80-150 % | | " | " | " | " | |
| MW-12 (1201403-07) Water Sampled: 03/26/12 14:40 Received: 03/28/12 10:05 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | 23 | 1.0 | 0.16 | ug/L | 1 | B2C2811 | 03/28/12 | 03/28/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | 16 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | 13 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | 6.1 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | 26 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 94.4 | | | 80-150 % | | " | " | " | " | |
| MW-2 (1201403-08) Water Sampled: 03/26/12 16:04 Received: 03/28/12 10:05 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | 14 | 1.0 | 0.16 | ug/L | 1 | B2C2811 | 03/28/12 | 03/29/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | 23 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | 41 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | 49 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | 40 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 97.7 | | | 80-150 % | | " | " | " | " | |
| MW-6 (1201403-09) Water Sampled: 03/26/12 15:19 Received: 03/28/12 10:05 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | <1.0 | 1.0 | 0.16 | ug/L | 1 | B2C2811 | 03/28/12 | 03/28/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | <1.0 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | <1.0 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | <1.0 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | <3.0 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 91.6 | | | 80-150 % | | " | " | " | " | |
| MW-5 (1201403-10) Water Sampled: 03/26/12 15:41 Received: 03/28/12 10:05 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | 5.3 | 1.0 | 0.16 | ug/L | 1 | B2C2811 | 03/28/12 | 03/29/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | 57 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | 230 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |

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| Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435 | Project: 49550029 Project Number: 49550029.00 2012 001 MP85 Project Manager: Ms. Andrea Nord | Work Order #: 1201403 Date Reported: 05/04/12 |
|---|--|--|

WI(95) GRO/8015B
Legend Technical Services, Inc.

| Analyte | Result | RL | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|--------|-----|-------|----------|----------|---------|----------|----------|------------|-------|
| MW-5 (1201403-10) Water Sampled: 03/26/12 15:41 Received: 03/28/12 10:05 | | | | | | | | | | |
| Ethylbenzene | 170 | 1.0 | 0.095 | ug/L | 1 | B2C2811 | 03/28/12 | 03/29/12 | WI(95) GRO | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | 10 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 98.8 | | | 80-150 % | | " | " | " | " | |
| MW-34 (1201403-11) Water Sampled: 03/27/12 08:55 Received: 03/28/12 10:05 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | 2.7 | 1.0 | 0.16 | ug/L | 1 | B2C2811 | 03/28/12 | 03/29/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | 6.0 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | 57 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | 26 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | 4.0 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 94.8 | | | 80-150 % | | " | " | " | " | |
| MW-33 (1201403-12) Water Sampled: 03/27/12 09:52 Received: 03/28/12 10:05 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | 10 | 1.0 | 0.16 | ug/L | 1 | B2C2811 | 03/28/12 | 03/29/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | 24 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | 100 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | 53 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | 16 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 101 | | | 80-150 % | | " | " | " | " | |
| M-1 (1201403-13) Water Sampled: 03/27/12 00:00 Received: 03/28/12 10:05 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | 1.9 | 1.0 | 0.16 | ug/L | 1 | B2C2811 | 03/28/12 | 03/29/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | 4.6 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | 44 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | 21 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | 3.4 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 95.7 | | | 80-150 % | | " | " | " | " | |
| MW-7 (1201403-14) Water Sampled: 03/27/12 10:15 Received: 03/28/12 10:05 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | 120 | 5.0 | 0.80 | ug/L | 5 | B2C2811 | 03/28/12 | 03/29/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | 62 | 5.0 | 0.85 | ug/L | 5 | " | " | " | " | |
| Benzene | 47 | 5.0 | 0.55 | ug/L | 5 | " | " | " | " | |
| Ethylbenzene | 44 | 5.0 | 0.48 | ug/L | 5 | " | " | " | " | |
| Toluene | 5.3 | 5.0 | 0.80 | ug/L | 5 | " | " | " | " | |
| Xylenes (total) | 110 | 15 | 0.95 | ug/L | 5 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 108 | | | 80-150 % | | " | " | " | " | |

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| Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435 | Project: 49550029 Project Number: 49550029.00 2012 001 MP85 Project Manager: Ms. Andrea Nord | Work Order #: 1201403 Date Reported: 05/04/12 |
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WI(95) GRO/8015B
Legend Technical Services, Inc.

| Analyte | Result | RL | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|--------|-----|-------|-------|----------|---------|----------|----------|------------|----------|
| Rinse Blank (1201403-15) Water Sampled: 03/27/12 10:00 Received: 03/28/12 10:05 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | <1.0 | 1.0 | 0.16 | ug/L | 1 | B2C2811 | 03/28/12 | 03/28/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | <1.0 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | <1.0 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | <1.0 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | <3.0 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 91.1 | | | | | | | | | 80-150 % |
| Trip Blank (1201403-16) Water Sampled: 03/26/12 00:00 Received: 03/28/12 10:05 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | <1.0 | 1.0 | 0.16 | ug/L | 1 | B2C2811 | 03/28/12 | 03/28/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | <1.0 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | <1.0 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | <1.0 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | <3.0 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 92.3 | | | | | | | | | 80-150 % |

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| Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435 | Project: 49550029 Project Number: 49550029.00 2012 001 MP85 Project Manager: Ms. Andrea Nord | Work Order #: 1201403 Date Reported: 05/04/12 |
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WI(95) GRO/8015B - Quality Control
Legend Technical Services, Inc.

| Analyte | Result | RL | MDL | Units | Spike Level | Source Result | %REC | %REC Limits | %RPD | %RPD Limit | Notes |
|--|--------|-----|-------|-------|-------------|--|------|-------------|------|------------|-------|
| Batch B2C2811 - EPA 5030 Water (Purge and Trap) | | | | | | | | | | | |
| Blank (B2C2811-BLK1) | | | | | | Prepared & Analyzed: 03/28/12 | | | | | |
| 1,2,4-Trimethylbenzene | < 1.0 | 1.0 | 0.16 | ug/L | | | | | | | |
| 1,3,5-Trimethylbenzene | < 1.0 | 1.0 | 0.17 | ug/L | | | | | | | |
| Benzene | < 1.0 | 1.0 | 0.11 | ug/L | | | | | | | |
| Ethylbenzene | < 1.0 | 1.0 | 0.095 | ug/L | | | | | | | |
| Toluene | < 1.0 | 1.0 | 0.16 | ug/L | | | | | | | |
| Xylenes (total) | < 3.0 | 3.0 | 0.19 | ug/L | | | | | | | |
| Surrogate: 4-Fluorochlorobenzene | 23.1 | | | ug/L | 25.0 | | 92.3 | 80-150 | | | |
| LCS (B2C2811-BS1) | | | | | | Prepared & Analyzed: 03/28/12 | | | | | |
| 1,2,4-Trimethylbenzene | 117 | 1.0 | 0.16 | ug/L | 100 | | 117 | 80-120 | | | |
| 1,3,5-Trimethylbenzene | 111 | 1.0 | 0.17 | ug/L | 100 | | 111 | 80-120 | | | |
| Benzene | 98.4 | 1.0 | 0.11 | ug/L | 100 | | 98.4 | 80-120 | | | |
| Ethylbenzene | 104 | 1.0 | 0.095 | ug/L | 100 | | 104 | 80-120 | | | |
| Toluene | 101 | 1.0 | 0.16 | ug/L | 100 | | 101 | 80-120 | | | |
| Xylenes (total) | 316 | 3.0 | 0.19 | ug/L | 300 | | 105 | 80-120 | | | |
| Surrogate: 4-Fluorochlorobenzene | 25.0 | | | ug/L | 25.0 | | 100 | 80-150 | | | |
| LCS Dup (B2C2811-BSD1) | | | | | | Prepared: 03/28/12 Analyzed: 03/29/12 | | | | | |
| 1,2,4-Trimethylbenzene | 106 | 1.0 | 0.16 | ug/L | 100 | | 106 | 80-120 | 10.3 | 20 | |
| 1,3,5-Trimethylbenzene | 97.6 | 1.0 | 0.17 | ug/L | 100 | | 97.6 | 80-120 | 12.8 | 20 | |
| Benzene | 94.8 | 1.0 | 0.11 | ug/L | 100 | | 94.8 | 80-120 | 3.70 | 20 | |
| Ethylbenzene | 94.9 | 1.0 | 0.095 | ug/L | 100 | | 94.9 | 80-120 | 8.99 | 20 | |
| Toluene | 95.2 | 1.0 | 0.16 | ug/L | 100 | | 95.2 | 80-120 | 5.55 | 20 | |
| Xylenes (total) | 295 | 3.0 | 0.19 | ug/L | 300 | | 98.4 | 80-120 | 6.84 | 20 | |
| Surrogate: 4-Fluorochlorobenzene | 25.2 | | | ug/L | 25.0 | | 101 | 80-150 | | | |
| Matrix Spike (B2C2811-MS1) | | | | | | Source: 1201403-01 Prepared: 03/28/12 Analyzed: 03/29/12 | | | | | |
| 1,2,4-Trimethylbenzene | 115 | 1.0 | 0.16 | ug/L | 100 | <1.0 | 115 | 80-120 | | | |
| 1,3,5-Trimethylbenzene | 106 | 1.0 | 0.17 | ug/L | 100 | <1.0 | 106 | 80-120 | | | |
| Benzene | 98.7 | 1.0 | 0.11 | ug/L | 100 | <1.0 | 98.7 | 80-120 | | | |
| Ethylbenzene | 100 | 1.0 | 0.095 | ug/L | 100 | <1.0 | 99.9 | 80-120 | | | |
| Toluene | 99.8 | 1.0 | 0.16 | ug/L | 100 | <1.0 | 99.8 | 80-120 | | | |
| Xylenes (total) | 310 | 3.0 | 0.19 | ug/L | 300 | <3.0 | 103 | 80-120 | | | |
| Surrogate: 4-Fluorochlorobenzene | 24.2 | | | ug/L | 25.0 | | 96.6 | 80-150 | | | |

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| Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435 | Project: 49550029 Project Number: 49550029.00 2012 001 MP85 Project Manager: Ms. Andrea Nord | Work Order #: 1201403 Date Reported: 05/04/12 |
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Notes and Definitions

| | |
|-----|---|
| < | Less than value listed |
| dry | Sample results reported on a dry weight basis |
| NA | Not applicable. The %RPD is not calculated from values less than the reporting limit. |
| MDL | Method Detection Limit |
| RL | Reporting Limit |
| RPD | Relative Percent Difference |
| LCS | Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB) |
| MS | Matrix Spike = Laboratory Fortified Matrix (LFM) |

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

1701403

Project Number: 49/55-0029.00 2012 001
 Project Name: Enbridge Energy MP85
 Sample Origination State WI (use two letter postal state abbreviation)
 COC Number: **No 32205**

| Number of Containers/Preservative | | Total Number Of Containers |
|-----------------------------------|------|-------------------------------------|
| Water | Soil | |
| | | COC <u>1</u> of <u>2</u> |
| Project Manager: <u>J. Caspi</u> | | Project OC Contact: <u>Huron Kg</u> |
| Sampled by: <u>W. Michael</u> | | Laboratory: <u>Legend</u> |

| Location | Start Depth | Stop Depth | Depth Unit (in./ft. or in.) | Collection Date (mm/dd/yyyy) | Collection Time (hh:mm) | Matrix | | Type | | VOCs (HCl) #1 | SVOCs (unpreserved) #2 | Dissolved Metals (HNO ₃) | Total Metals (HNO ₃) | General (unpreserved) #3 | Dioxin Range Organics (HCl) | Nutrients (H ₂ SO ₄) #4 | VOCs (aged MeOH) #5 | GRQ, BTEX (aged MeOH) #7 | BPO (aged unpreserved) Metals (unpreserved) | SVOCs (unpreserved) #2 | % Solids (plastic vial, unpres.) | |
|----------|-------------|------------|-----------------------------|------------------------------|-------------------------|--------|------|------|-------|---------------|------------------------|--------------------------------------|----------------------------------|--------------------------|-----------------------------|--|---------------------|--------------------------|---|------------------------|----------------------------------|--|
| | | | | | | Water | Soil | Grab | Comp. | | | | | | | | | | | | | |
| 01 MW-16 | | | | 3/26/12 | 2:10 | X | | X | | X | | | | | | | | | | | | |
| 02 MW-15 | | | | 3/26/12 | 1:43 | X | | X | | X | | | | | | | | | | | | |
| 03 MW-14 | | | | 3/26/12 | 3:02 | X | | X | | X | | | | | | | | | | | | |
| 04 MW-29 | | | | 3/26/12 | 12:40 | X | | X | | X | | | | | | | | | | | | |
| 05 MW-27 | | | | 3/26/12 | 12:57 | X | | X | | X | | | | | | | | | | | | |
| 06 MW-21 | | | | 3/26/12 | 1:15 | X | | X | | X | | | | | | | | | | | | |
| 07 MW-12 | | | | 3/26/12 | 2:40 | X | | X | | X | | | | | | | | | | | | |
| 08 MW-2 | | | | 3/26/12 | 4:04 | X | | X | | X | | | | | | | | | | | | |
| 09 MW-6 | | | | 3/26/12 | 3:19 | X | | X | | X | | | | | | | | | | | | |
| 10 MW-5 | | | | 3/26/12 | 3:41 | X | | X | | X | | | | | | | | | | | | |

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRQ, 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, Phosols, Ammonia Nitrogen, TKN

Relinquished By: [Signature] On 3/27/12 Date 3:00pm Received by: [Signature] Date 3/28/12 Time 10:05
 Relinquished By: [Signature] On 3/27/12 Date 3:00pm Received by: [Signature] Date 3/28/12 Time 10:05
 Samples Shipped VIA: Air Freight Federal Express Sampler Other: 1.7c Air Bill Number: _____
 Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

| Chain of Custody | | Number of Containers/Preservative | | COC <u>2</u> of <u>2</u> | | | | | | | | | | | | | | | | |
|---|-------------|---|----------------------------|--|-------------------------|--------|------|----|----|----|----|----|----|----|----|----|----|----|----|----|
| BARR 4700 West 77th Street Minneapolis, MN 55435-4803 (952) 832-2600 | | Water | | Soil | | | | | | | | | | | | | | | | |
| Project Number: <u>49/55-0029.00 2012 001</u> Project Name: <u>Enbridge Energy MP85</u> Sample Origination State: <u>WI</u> (use two letter postal state abbreviation) COC Number: <u>No 32147</u> | | 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 (acid MeOH) #7 GRX, BTEX (acid MeOH) #1 DRG (acid unpreserved) Metals (unpreserved) SVOCs (unpreserved) #2 % Solids (plastic vial, w/press.) | | | | | | | | | | | | | | | | |
| Project Manager: <u>J Aspici</u> Project QC Contact: <u>Huronka</u> Sampled by: <u>W. Mitchell</u> Laboratory: <u>Legend</u> | | Total Number Of Containers | | Total Number Of Containers | | | | | | | | | | | | | | | | |
| Location | Start Depth | Stop Depth | Depth Unit (m, ft, or in.) | Collection Date (mm/dd/yyyy) | Collection Time (hr:mn) | Matrix | Type | QC | QC | QC | QC | QC | QC | QC | QC | QC | QC | QC | QC | QC |
| Water | Soil | Grav. Comp. | QC | QC | QC | QC | QC | QC | QC | QC | QC | QC | QC | QC | QC | QC | QC | QC | QC | QC |
| 11 | | | | 3/27/12 | 8:55am | | X | X | | | | | | | | | | | | |
| 12 | | | | 3/27/12 | 9:52am | X | X | X | | | | | | | | | | | | |
| 13 | | | | 3/27/12 | — | X | Y | X | | | | | | | | | | | | |
| 14 | | | | 3/27/12 | 10:15 | X | X | X | | | | | | | | | | | | |
| 15 | | | | 3/27/12 | 10:00am | X | Y | X | | | | | | | | | | | | |
| 16 | | | | 3/26/12 | | | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | | | | |

Common Parameters/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRX, 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

| | | | | | | |
|---|--|----------------------|---------------------|---------------------------------------|----------------------|--------------------|
| Requisitioned By: <u>[Signature]</u> | On Site? <input checked="" type="checkbox"/> | Date: <u>3/27/12</u> | Time: <u>3:00pm</u> | Received by: | Date: | Time: |
| Requisitioned By: <u>[Signature]</u> | On Site? <input type="checkbox"/> | Date: | Time: | Received by: <u>Kelly [Signature]</u> | Date: <u>3/28/12</u> | Time: <u>10:05</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

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

July 30, 2012

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1203313
RE: 49550029

Enclosed are the results of analyses for samples received by the laboratory on 07/19/12. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

WI Certification #998022410

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink that reads "BACH PHAM".

Bach Pham
Client Manager I
bpham@legend-group.com

A handwritten signature in black ink that reads "Tyler Jones".

Tyler Jones
Chemist I
tjones@legend-group.com

| | | |
|---|---|--|
| Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435 | Project: 49550029 Project Number: 49550029.00 2012 001 Project Manager: Ms. Andrea Nord | Work Order #: 1203313 Date Reported: 07/30/12 |
|---|---|--|

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-------------|---------------|--------|----------------|----------------|
| MW-16 | 1203313-01 | Water | 07/17/12 12:40 | 07/19/12 10:10 |
| MW-15 | 1203313-02 | Water | 07/17/12 12:20 | 07/19/12 10:10 |
| MW-14 | 1203313-03 | Water | 07/17/12 13:23 | 07/19/12 10:10 |
| MW-29 | 1203313-04 | Water | 07/17/12 11:25 | 07/19/12 10:10 |
| MW-27 | 1203313-05 | Water | 07/17/12 11:44 | 07/19/12 10:10 |
| MW-21 | 1203313-06 | Water | 07/17/12 12:02 | 07/19/12 10:10 |
| MW-12 | 1203313-07 | Water | 07/17/12 13:01 | 07/19/12 10:10 |
| MW-2 | 1203313-08 | Water | 07/17/12 14:34 | 07/19/12 10:10 |
| MW-6 | 1203313-09 | Water | 07/17/12 13:48 | 07/19/12 10:10 |
| MW-5 | 1203313-10 | Water | 07/17/12 14:17 | 07/19/12 10:10 |
| MW-34 | 1203313-11 | Water | 07/17/12 15:02 | 07/19/12 10:10 |
| MW-33 | 1203313-12 | Water | 07/17/12 15:30 | 07/19/12 10:10 |
| MW-11 | 1203313-13 | Water | 07/17/12 16:00 | 07/19/12 10:10 |
| M-1 | 1203313-14 | Water | 07/17/12 00:00 | 07/19/12 10:10 |
| Rinse Blank | 1203313-15 | Water | 07/17/12 00:00 | 07/19/12 10:10 |
| Trip Blank | 1203313-16 | Water | 07/17/12 00:00 | 07/19/12 10:10 |

Shipping Container Information

Default Cooler Temperature (°C): 1.0

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: No

Case Narrative:

| | | |
|---|---|--|
| Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435 | Project: 49550029 Project Number: 49550029.00 2012 001 Project Manager: Ms. Andrea Nord | Work Order #: 1203313 Date Reported: 07/30/12 |
|---|---|--|

WI(95) GRO/8015B
Legend Technical Services, Inc.

| Analyte | Result | RL | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|--------|-----|-------|----------|----------|---------|----------|----------|------------|-------|
| MW-16 (1203313-01) Water Sampled: 07/17/12 12:40 Received: 07/19/12 10:10 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | <1.0 | 1.0 | 0.16 | ug/L | 1 | B2G2014 | 07/20/12 | 07/20/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | <1.0 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | <1.0 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | <1.0 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | <3.0 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 95.2 | | | 80-150 % | | " | " | " | " | |
| MW-15 (1203313-02) Water Sampled: 07/17/12 12:20 Received: 07/19/12 10:10 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | <1.0 | 1.0 | 0.16 | ug/L | 1 | B2G2014 | 07/20/12 | 07/20/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | <1.0 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | <1.0 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | <1.0 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | <3.0 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 94.1 | | | 80-150 % | | " | " | " | " | |
| MW-14 (1203313-03) Water Sampled: 07/17/12 13:23 Received: 07/19/12 10:10 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | <1.0 | 1.0 | 0.16 | ug/L | 1 | B2G2014 | 07/20/12 | 07/20/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | <1.0 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | <1.0 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | <1.0 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | <3.0 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 94.5 | | | 80-150 % | | " | " | " | " | |
| MW-29 (1203313-04) Water Sampled: 07/17/12 11:25 Received: 07/19/12 10:10 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | <1.0 | 1.0 | 0.16 | ug/L | 1 | B2G2014 | 07/20/12 | 07/20/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | <1.0 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | <1.0 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | <1.0 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | <3.0 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 93.5 | | | 80-150 % | | " | " | " | " | |
| MW-27 (1203313-05) Water Sampled: 07/17/12 11:44 Received: 07/19/12 10:10 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | <1.0 | 1.0 | 0.16 | ug/L | 1 | B2G2014 | 07/20/12 | 07/21/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | <1.0 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | <1.0 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | <1.0 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |

| | | |
|---|---|--|
| Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435 | Project: 49550029 Project Number: 49550029.00 2012 001 Project Manager: Ms. Andrea Nord | Work Order #: 1203313 Date Reported: 07/30/12 |
|---|---|--|

WI(95) GRO/8015B
Legend Technical Services, Inc.

| Analyte | Result | RL | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|------------|-----|-------|----------|----------|---------|----------|----------|------------|-------|
| MW-27 (1203313-05) Water Sampled: 07/17/12 11:44 Received: 07/19/12 10:10 | | | | | | | | | | |
| Xylenes (total) | <3.0 | 3.0 | 0.19 | ug/L | 1 | B2G2014 | 07/20/12 | 07/21/12 | WI(95) GRO | |
| Surrogate: 4-Fluorochlorobenzene | 97.9 | | | 80-150 % | | " | " | " | " | |
| MW-21 (1203313-06) Water Sampled: 07/17/12 12:02 Received: 07/19/12 10:10 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | <1.0 | 1.0 | 0.16 | ug/L | 1 | B2G2014 | 07/20/12 | 07/20/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | <1.0 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | <1.0 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | <1.0 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | <3.0 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 93.0 | | | 80-150 % | | " | " | " | " | |
| MW-12 (1203313-07) Water Sampled: 07/17/12 13:01 Received: 07/19/12 10:10 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | 32 | 1.0 | 0.16 | ug/L | 1 | B2G2014 | 07/20/12 | 07/20/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | 20 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | 14 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | 8.8 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | 30 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 103 | | | 80-150 % | | " | " | " | " | |
| MW-2 (1203313-08) Water Sampled: 07/17/12 14:34 Received: 07/19/12 10:10 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | 42 | 1.0 | 0.16 | ug/L | 1 | B2G2014 | 07/20/12 | 07/20/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | 57 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | 27 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | 110 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | 80 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 105 | | | 80-150 % | | " | " | " | " | |
| MW-6 (1203313-09) Water Sampled: 07/17/12 13:48 Received: 07/19/12 10:10 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | <1.0 | 1.0 | 0.16 | ug/L | 1 | B2G2014 | 07/20/12 | 07/20/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | <1.0 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | <1.0 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | <1.0 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | <3.0 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 97.0 | | | 80-150 % | | " | " | " | " | |
| MW-5 (1203313-10) Water Sampled: 07/17/12 14:17 Received: 07/19/12 10:10 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | 19 | 1.0 | 0.16 | ug/L | 1 | B2G2014 | 07/20/12 | 07/20/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | 49 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | 160 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |

| | | |
|---|---|--|
| Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435 | Project: 49550029 Project Number: 49550029.00 2012 001 Project Manager: Ms. Andrea Nord | Work Order #: 1203313 Date Reported: 07/30/12 |
|---|---|--|

WI(95) GRO/8015B
Legend Technical Services, Inc.

| Analyte | Result | RL | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|--------|-----|-------|----------|----------|---------|----------|----------|------------|-------|
| MW-5 (1203313-10) Water Sampled: 07/17/12 14:17 Received: 07/19/12 10:10 | | | | | | | | | | |
| Ethylbenzene | 170 | 1.0 | 0.095 | ug/L | 1 | B2G2014 | 07/20/12 | 07/20/12 | WI(95) GRO | |
| Toluene | 1.6 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | 57 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 127 | | | 80-150 % | | " | " | " | " | |
| MW-34 (1203313-11) Water Sampled: 07/17/12 15:02 Received: 07/19/12 10:10 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | 1.7 | 1.0 | 0.16 | ug/L | 1 | B2G2014 | 07/20/12 | 07/20/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | 6.0 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | 50 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | 33 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | 7.0 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 96.9 | | | 80-150 % | | " | " | " | " | |
| MW-33 (1203313-12) Water Sampled: 07/17/12 15:30 Received: 07/19/12 10:10 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | 6.9 | 1.0 | 0.16 | ug/L | 1 | B2G2014 | 07/20/12 | 07/20/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | 16 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | 50 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | 47 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | 16 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 109 | | | 80-150 % | | " | " | " | " | |
| MW-11 (1203313-13) Water Sampled: 07/17/12 16:00 Received: 07/19/12 10:10 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | 300 | 5.0 | 0.80 | ug/L | 5 | B2G2014 | 07/20/12 | 07/20/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | 90 | 5.0 | 0.85 | ug/L | 5 | " | " | " | " | |
| Benzene | 140 | 5.0 | 0.55 | ug/L | 5 | " | " | " | " | |
| Ethylbenzene | 220 | 5.0 | 0.48 | ug/L | 5 | " | " | " | " | |
| Toluene | 17 | 5.0 | 0.80 | ug/L | 5 | " | " | " | " | |
| Xylenes (total) | 1200 | 15 | 0.95 | ug/L | 5 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 115 | | | 80-150 % | | " | " | " | " | |
| M-1 (1203313-14) Water Sampled: 07/17/12 00:00 Received: 07/19/12 10:10 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | 1.2 | 1.0 | 0.16 | ug/L | 1 | B2G2014 | 07/20/12 | 07/20/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | 6.9 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | 49 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | 33 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | 4.6 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 97.3 | | | 80-150 % | | " | " | " | " | |

| | | |
|---|---|--|
| Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435 | Project: 49550029 Project Number: 49550029.00 2012 001 Project Manager: Ms. Andrea Nord | Work Order #: 1203313 Date Reported: 07/30/12 |
|---|---|--|

WI(95) GRO/8015B
Legend Technical Services, Inc.

| Analyte | Result | RL | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|--------|-----|-------|-------|----------|---------|----------|----------|------------|----------|
| Rinse Blank (1203313-15) Water Sampled: 07/17/12 00:00 Received: 07/19/12 10:10 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | <1.0 | 1.0 | 0.16 | ug/L | 1 | B2G2014 | 07/20/12 | 07/20/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | <1.0 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | <1.0 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | <1.0 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | <3.0 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 96.3 | | | | | | | | | 80-150 % |
| Trip Blank (1203313-16) Water Sampled: 07/17/12 00:00 Received: 07/19/12 10:10 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | <1.0 | 1.0 | 0.16 | ug/L | 1 | B2G2014 | 07/20/12 | 07/20/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | <1.0 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | <1.0 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | <1.0 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | <3.0 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 92.2 | | | | | | | | | 80-150 % |

| | | |
|---|---|--|
| Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435 | Project: 49550029 Project Number: 49550029.00 2012 001 Project Manager: Ms. Andrea Nord | Work Order #: 1203313 Date Reported: 07/30/12 |
|---|---|--|

WI(95) GRO/8015B - Quality Control
Legend Technical Services, Inc.

| Analyte | Result | RL | MDL | Units | Spike Level | Source Result | %REC | %REC Limits | %RPD | %RPD Limit | Notes |
|---------|--------|----|-----|-------|-------------|---------------|------|-------------|------|------------|-------|
|---------|--------|----|-----|-------|-------------|---------------|------|-------------|------|------------|-------|

Batch B2G2014 - EPA 5030 Water (Purge and Trap)

Blank (B2G2014-BLK1)

Prepared & Analyzed: 07/20/12

| | | | | | | | | | | | |
|----------------------------------|-------|-----|-------|------|------|--|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | < 1.0 | 1.0 | 0.16 | ug/L | | | | | | | |
| 1,3,5-Trimethylbenzene | < 1.0 | 1.0 | 0.17 | ug/L | | | | | | | |
| Benzene | < 1.0 | 1.0 | 0.11 | ug/L | | | | | | | |
| Ethylbenzene | < 1.0 | 1.0 | 0.095 | ug/L | | | | | | | |
| Toluene | < 1.0 | 1.0 | 0.16 | ug/L | | | | | | | |
| Xylenes (total) | < 3.0 | 3.0 | 0.19 | ug/L | | | | | | | |
| Surrogate: 4-Fluorochlorobenzene | 23.4 | | | ug/L | 25.0 | | 93.4 | 80-150 | | | |

LCS (B2G2014-BS1)

Prepared & Analyzed: 07/20/12

| | | | | | | | | | | | |
|----------------------------------|------|-----|-------|------|------|--|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 100 | 1.0 | 0.16 | ug/L | 100 | | 100 | 80-120 | | | |
| 1,3,5-Trimethylbenzene | 95.3 | 1.0 | 0.17 | ug/L | 100 | | 95.3 | 80-120 | | | |
| Benzene | 96.4 | 1.0 | 0.11 | ug/L | 100 | | 96.4 | 80-120 | | | |
| Ethylbenzene | 97.4 | 1.0 | 0.095 | ug/L | 100 | | 97.4 | 80-120 | | | |
| Toluene | 98.5 | 1.0 | 0.16 | ug/L | 100 | | 98.5 | 80-120 | | | |
| Xylenes (total) | 291 | 3.0 | 0.19 | ug/L | 300 | | 97.0 | 80-120 | | | |
| Surrogate: 4-Fluorochlorobenzene | 24.4 | | | ug/L | 25.0 | | 97.6 | 80-150 | | | |

LCS Dup (B2G2014-BSD1)

Prepared: 07/20/12 Analyzed: 07/21/12

| | | | | | | | | | | | |
|----------------------------------|------|-----|-------|------|------|--|------|--------|------|----|--|
| 1,2,4-Trimethylbenzene | 92.4 | 1.0 | 0.16 | ug/L | 100 | | 92.4 | 80-120 | 7.86 | 20 | |
| 1,3,5-Trimethylbenzene | 89.4 | 1.0 | 0.17 | ug/L | 100 | | 89.4 | 80-120 | 6.36 | 20 | |
| Benzene | 105 | 1.0 | 0.11 | ug/L | 100 | | 105 | 80-120 | 8.98 | 20 | |
| Ethylbenzene | 95.1 | 1.0 | 0.095 | ug/L | 100 | | 95.1 | 80-120 | 2.36 | 20 | |
| Toluene | 110 | 1.0 | 0.16 | ug/L | 100 | | 110 | 80-120 | 10.6 | 20 | |
| Xylenes (total) | 286 | 3.0 | 0.19 | ug/L | 300 | | 95.3 | 80-120 | 1.79 | 20 | |
| Surrogate: 4-Fluorochlorobenzene | 26.5 | | | ug/L | 25.0 | | 106 | 80-150 | | | |

Matrix Spike (B2G2014-MS1)

Source: 1203313-01

Prepared & Analyzed: 07/20/12

| | | | | | | | | | | | |
|----------------------------------|------|-----|-------|------|------|------|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 101 | 1.0 | 0.16 | ug/L | 100 | <1.0 | 101 | 80-120 | | | |
| 1,3,5-Trimethylbenzene | 96.3 | 1.0 | 0.17 | ug/L | 100 | <1.0 | 96.3 | 80-120 | | | |
| Benzene | 97.4 | 1.0 | 0.11 | ug/L | 100 | <1.0 | 97.3 | 80-120 | | | |
| Ethylbenzene | 98.2 | 1.0 | 0.095 | ug/L | 100 | <1.0 | 97.9 | 80-120 | | | |
| Toluene | 97.6 | 1.0 | 0.16 | ug/L | 100 | <1.0 | 97.6 | 80-120 | | | |
| Xylenes (total) | 296 | 3.0 | 0.19 | ug/L | 300 | <3.0 | 98.4 | 80-120 | | | |
| Surrogate: 4-Fluorochlorobenzene | 24.8 | | | ug/L | 25.0 | | 99.2 | 80-150 | | | |

| | | |
|---|---|--|
| Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435 | Project: 49550029 Project Number: 49550029.00 2012 001 Project Manager: Ms. Andrea Nord | Work Order #: 1203313 Date Reported: 07/30/12 |
|---|---|--|

Notes and Definitions

| | |
|-----|---|
| < | Less than value listed |
| dry | Sample results reported on a dry weight basis |
| NA | Not applicable. The %RPD is not calculated from values less than the reporting limit. |
| MDL | Method Detection Limit |
| RL | Reporting Limit |
| RPD | Relative Percent Difference |
| LCS | Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB) |
| MS | Matrix Spike = Laboratory Fortified Matrix (LFM) |

| Chain of Custody | | Number of Containers/Preservative | | COC 1 of 2 | | | | | | | | |
|---|-------------|--|----------------------------|---|-------------------------|--------|------|------|-------|----|--|---|
| 4700 West 77th Street Minneapolis, MN 55435-4803 (952) 832-2600 | | Water | | Soil | | | | | | | | |
| Project Number: 44/55-0029 00 2012 001 Project Name: Embargo MABT Sample Origination State: WI (use two letter postal state abbreviation) COC Number: No 32168 | | VOCs (unpreserved) #1 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 (stared MeOH) #1 GRO: BTEX (stared MeOH) #1 DRO (stared unpreserved) Metals (unpreserved) SVOCs (unpreserved) #2 % Solids (plastic vial, ungras.) | | | | | | | | |
| Project Manager: J. G... Project QC Contact: Sampled by: M... Laboratory: Legend | | Total Number Of Containers | | Total Number Of Containers | | | | | | | | |
| Location | Start Depth | Stop Depth | Depth Unit (m./ft. or in.) | Collection Date (mm/dd/yyyy) | Collection Time (hh:mm) | Matrix | | Type | | OC | VOCs (RC) #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 (stared MeOH) #1 GRO: BTEX (stared MeOH) #1 DRO (stared unpreserved) Metals (unpreserved) SVOCs (unpreserved) #2 % Solids (plastic vial, ungras.) |
| | | | | | | Water | Soil | Grab | Comp. | | | |
| 1. MW-16 | | | | 7/17 12:40 | 12:40 | X | | X | | X | | |
| 2. MW-15 | | | | 7/17 | 12:20 | | | | | | | |
| 3. MW-14 | | | | 7/17 | 1:23 | | | | | | | |
| 4. MW-25 | | | | 7/17 | 11:25 | | | | | | | |
| 5. MW-27 | | | | 7/17 | 11:41 | | | | | | | |
| 6. MW-21 | | | | 7/17 | 12:02 | | | | | | | |
| 7. MW-12 | | | | 7/17 | 11:01 | | | | | | | |
| 8. MW-2 | | | | 7/17 | 2:34 | | | | | | | |
| 9. MW-6 | | | | 7/17 | 1:48 | | | | | | | |
| 10. MW-5 | | | | 7/17 | 2:17 | | | | | | | |

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRQ TPH, B260 Full List
 #2 - Semivolatile Organics = PAHs, PCR Dioxins, B270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phosols, Ammonia Nitrogen, TKN

| | | | | | | |
|--|---|---------------|------------|----------------------------------|---------------|-------------|
| Relinquished By: <i>M...</i> | On Ice? <input checked="" type="checkbox"/> N | Date: 7/18/12 | Time: 2:15 | Received by: | Date: | Time: |
| Relinquished By: | On Ice? <input type="checkbox"/> Y | Date: | Time: | Received by: <i>Kelly Forber</i> | Date: 7/19/12 | Time: 10:10 |
| Samples Shipped VIA: <input type="checkbox"/> Air Freight <input type="checkbox"/> Federal Express <input type="checkbox"/> Sampler <input type="checkbox"/> Other: <i>US M...</i> | | | | Air Bill Number: | | |

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

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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

1703313

Project Number: 49155-0029 00 2012 001
 Project Name: Embridge MD-85
 Sample Origination State: WI (use two letter postal state abbreviation)
 COC Number: No 32150

| Location | Start Depth | Stop Depth | Depth Unit (m./ft. or in.) | Collection Date (mm/dd/yyyy) | Collection Time (hh:mm) | Matrix | | Type | Number of Containers/Preservative | | Total Number of Containers |
|--------------------|-------------|------------|----------------------------|------------------------------|-------------------------|--------|------|------|-----------------------------------|------|----------------------------|
| | | | | | | Water | Soil | | Water | Soil | |
| 1. MW-34 | | | | 7/17 | 3:02 | X | X | X | | | |
| 2. MW-33 | | | | 7/17 | 3:30 | | | | | | |
| 3. MW-3 | | | | | | | | | | | product |
| 4. MW-11 | | | | 7/17 | 4:00 | | | | | | |
| 5. M-1 | | | | 7/17 | — | | | | | | |
| 6. River Bank | | | | 7/17 | — | | | | | | |
| 7. Top Blank | | | | 7/17/12 | | | | | | | |
| 8. | | | | | | | | | | | |
| 9. | | | | | | | | | | | |
| 10. | | | | | | | | | | | |

VOCs (unpreserved) #2
 Dissolved Metals (HNO₃)
 Total Metals (HNO₃)
 General (unpreserved) #3
 Dissal Range Organics (HCl)
 Nutrients (H₂SO₄) #4
 VOCs (stored MeOH) #1
 GRO, BTEX (stored MeOH) #1
 DRO (stored unpreserved) Metals (unpreserved)
 SVOCs (unpreserved) #2
 % Solids (plastic vial, unpres.)

Project Manager: J. Aspen
 Project QC Contact:
 Sampled by: W. Mitchell
 Laboratory: Legend

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRO, TPH, 8260 Pdl 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: [Signature] On Ice? Y Date: 7/18/12 Time: 2:15
 Relinquished By: [Signature] On Ice? N Date: Date Time: Time
 Received by: Kelley Weber Date: 7/19/12 Time: 10:10

Samples Shipped VIA: Air Freight Federal Express Sampler Other: UPS Next Day
 Air Bill Number:

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

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

October 09, 2012

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1204568
RE: 49550029

Enclosed are the results of analyses for samples received by the laboratory on 09/28/12. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

WI Certification #998022410

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink that reads "Bach Pham". The signature is stylized and written over a horizontal line.

Bach Pham
Client Manager II
bpham@legend-group.com

A handwritten signature in black ink that reads "Tyler Jones". The signature is written in a cursive style over a horizontal line.

Tyler Jones
Chemist I
tjones@legend-group.com

| | | |
|---|--|--|
| Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435 | Project: 49550029 Project Number: 49550029.00 2012 001 MP85 Project Manager: Ms. Andrea Nord | Work Order #: 1204568 Date Reported: 10/09/12 |
|---|--|--|

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-------------|---------------|--------|----------------|----------------|
| MW-16 | 1204568-01 | Water | 09/26/12 09:55 | 09/28/12 10:10 |
| MW-15 | 1204568-02 | Water | 09/26/12 09:24 | 09/28/12 10:10 |
| MW-14 | 1204568-03 | Water | 09/26/12 11:08 | 09/28/12 10:10 |
| MW-21 | 1204568-04 | Water | 09/26/12 08:52 | 09/28/12 10:10 |
| MW-6 | 1204568-05 | Water | 09/26/12 10:25 | 09/28/12 10:10 |
| MW-12 | 1204568-06 | Water | 09/26/12 10:50 | 09/28/12 10:10 |
| MW-2 | 1204568-07 | Water | 09/26/12 14:52 | 09/28/12 10:10 |
| MW-5 | 1204568-08 | Water | 09/26/12 14:10 | 09/28/12 10:10 |
| MW-34 | 1204568-09 | Water | 09/26/12 11:52 | 09/28/12 10:10 |
| MW-33 | 1204568-10 | Water | 09/26/12 13:31 | 09/28/12 10:10 |
| M-1 | 1204568-11 | Water | 09/26/12 00:00 | 09/28/12 10:10 |
| Rinse Blank | 1204568-12 | Water | 09/26/12 00:00 | 09/28/12 10:10 |
| MW-11 | 1204568-13 | Water | 09/26/12 16:00 | 09/28/12 10:10 |
| Trip Blank | 1204568-14 | Water | 09/26/12 00:00 | 09/28/12 10:10 |

Shipping Container Information

Default Cooler Temperature (°C): 1.2

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: No

Case Narrative:

| | | |
|---|--|--|
| Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435 | Project: 49550029 Project Number: 49550029.00 2012 001 MP85 Project Manager: Ms. Andrea Nord | Work Order #: 1204568 Date Reported: 10/09/12 |
|---|--|--|

WI(95) GRO/8015B
Legend Technical Services, Inc.

| Analyte | Result | RL | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|------------|-----|-------|----------|----------|---------|----------|----------|------------|-------|
| MW-16 (1204568-01) Water Sampled: 09/26/12 09:55 Received: 09/28/12 10:10 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | <1.0 | 1.0 | 0.16 | ug/L | 1 | B2J0206 | 10/02/12 | 10/02/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | <1.0 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | <1.0 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | <1.0 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | <3.0 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 111 | | | 80-150 % | | " | " | " | " | |
| MW-15 (1204568-02) Water Sampled: 09/26/12 09:24 Received: 09/28/12 10:10 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | <1.0 | 1.0 | 0.16 | ug/L | 1 | B2J0206 | 10/02/12 | 10/02/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | <1.0 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | <1.0 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | <1.0 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | <3.0 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 108 | | | 80-150 % | | " | " | " | " | |
| MW-14 (1204568-03) Water Sampled: 09/26/12 11:08 Received: 09/28/12 10:10 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | <1.0 | 1.0 | 0.16 | ug/L | 1 | B2J0206 | 10/02/12 | 10/02/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | <1.0 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | <1.0 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | <1.0 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | <3.0 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 112 | | | 80-150 % | | " | " | " | " | |
| MW-21 (1204568-04) Water Sampled: 09/26/12 08:52 Received: 09/28/12 10:10 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | <1.0 | 1.0 | 0.16 | ug/L | 1 | B2J0206 | 10/02/12 | 10/02/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | <1.0 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | <1.0 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | <1.0 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | <3.0 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 107 | | | 80-150 % | | " | " | " | " | |
| MW-6 (1204568-05) Water Sampled: 09/26/12 10:25 Received: 09/28/12 10:10 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | <1.0 | 1.0 | 0.16 | ug/L | 1 | B2J0206 | 10/02/12 | 10/02/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | <1.0 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | 1.7 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | <1.0 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |

| | | |
|---|--|--|
| Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435 | Project: 49550029 Project Number: 49550029.00 2012 001 MP85 Project Manager: Ms. Andrea Nord | Work Order #: 1204568 Date Reported: 10/09/12 |
|---|--|--|

WI(95) GRO/8015B
Legend Technical Services, Inc.

| Analyte | Result | RL | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|--------|-----|-------|----------|----------|---------|----------|----------|------------|-------|
| MW-6 (1204568-05) Water Sampled: 09/26/12 10:25 Received: 09/28/12 10:10 | | | | | | | | | | |
| Xylenes (total) | <3.0 | 3.0 | 0.19 | ug/L | 1 | B2J0206 | 10/02/12 | 10/02/12 | WI(95) GRO | |
| Surrogate: 4-Fluorochlorobenzene | 105 | | | 80-150 % | | " | " | " | " | |
| MW-12 (1204568-06) Water Sampled: 09/26/12 10:50 Received: 09/28/12 10:10 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | 63 | 1.0 | 0.16 | ug/L | 1 | B2J0206 | 10/02/12 | 10/02/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | 37 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | 17 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | 13 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | 53 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 109 | | | 80-150 % | | " | " | " | " | |
| MW-2 (1204568-07) Water Sampled: 09/26/12 14:52 Received: 09/28/12 10:10 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | 28 | 1.0 | 0.16 | ug/L | 1 | B2J0206 | 10/02/12 | 10/02/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | 56 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | 39 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | 85 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | 52 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 107 | | | 80-150 % | | " | " | " | " | |
| MW-5 (1204568-08) Water Sampled: 09/26/12 14:10 Received: 09/28/12 10:10 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | 4.7 | 1.0 | 0.16 | ug/L | 1 | B2J0206 | 10/02/12 | 10/02/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | 38 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | 110 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | 110 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | 20 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 111 | | | 80-150 % | | " | " | " | " | |
| MW-34 (1204568-09) Water Sampled: 09/26/12 11:52 Received: 09/28/12 10:10 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | 1.8 | 1.0 | 0.16 | ug/L | 1 | B2J0206 | 10/02/12 | 10/02/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | 7.8 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | 33 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | 28 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | <3.0 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 110 | | | 80-150 % | | " | " | " | " | |
| MW-33 (1204568-10) Water Sampled: 09/26/12 13:31 Received: 09/28/12 10:10 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | 7.7 | 1.0 | 0.16 | ug/L | 1 | B2J0206 | 10/02/12 | 10/02/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | 20 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | 46 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |

| | | |
|---|--|--|
| Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435 | Project: 49550029 Project Number: 49550029.00 2012 001 MP85 Project Manager: Ms. Andrea Nord | Work Order #: 1204568 Date Reported: 10/09/12 |
|---|--|--|

WI(95) GRO/8015B
Legend Technical Services, Inc.

| Analyte | Result | RL | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|--------|-----|-------|----------|----------|---------|----------|----------|------------|-------|
| MW-33 (1204568-10) Water Sampled: 09/26/12 13:31 Received: 09/28/12 10:10 | | | | | | | | | | |
| Ethylbenzene | 49 | 1.0 | 0.095 | ug/L | 1 | B2J0206 | 10/02/12 | 10/02/12 | WI(95) GRO | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | 11 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 106 | | | 80-150 % | | " | " | " | " | |
| M-1 (1204568-11) Water Sampled: 09/26/12 00:00 Received: 09/28/12 10:10 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | 7.5 | 1.0 | 0.16 | ug/L | 1 | B2J0206 | 10/02/12 | 10/02/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | 20 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | 45 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | 52 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | 11 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 110 | | | 80-150 % | | " | " | " | " | |
| Rinse Blank (1204568-12) Water Sampled: 09/26/12 00:00 Received: 09/28/12 10:10 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | <1.0 | 1.0 | 0.16 | ug/L | 1 | B2J0206 | 10/02/12 | 10/02/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | <1.0 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | <1.0 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | <1.0 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | <3.0 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 112 | | | 80-150 % | | " | " | " | " | |
| MW-11 (1204568-13) Water Sampled: 09/26/12 16:00 Received: 09/28/12 10:10 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | 250 | 2.0 | 0.32 | ug/L | 2 | B2J0206 | 10/02/12 | 10/02/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | 97 | 2.0 | 0.34 | ug/L | 2 | " | " | " | " | |
| Benzene | 110 | 2.0 | 0.22 | ug/L | 2 | " | " | " | " | |
| Ethylbenzene | 170 | 2.0 | 0.19 | ug/L | 2 | " | " | " | " | |
| Toluene | 2.1 | 2.0 | 0.32 | ug/L | 2 | " | " | " | " | |
| Xylenes (total) | 700 | 6.0 | 0.38 | ug/L | 2 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 107 | | | 80-150 % | | " | " | " | " | |
| Trip Blank (1204568-14) Water Sampled: 09/26/12 00:00 Received: 09/28/12 10:10 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | <1.0 | 1.0 | 0.16 | ug/L | 1 | B2J0206 | 10/02/12 | 10/02/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | <1.0 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | <1.0 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | <1.0 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | <3.0 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 104 | | | 80-150 % | | " | " | " | " | |

| | | |
|---|--|--|
| Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435 | Project: 49550029 Project Number: 49550029.00 2012 001 MP85 Project Manager: Ms. Andrea Nord | Work Order #: 1204568 Date Reported: 10/09/12 |
|---|--|--|

WI(95) GRO/8015B - Quality Control
Legend Technical Services, Inc.

| Analyte | Result | RL | MDL | Units | Spike Level | Source Result | %REC | %REC Limits | %RPD | %RPD Limit | Notes |
|--|--------|-----|-------|-------|-------------|--|------|-------------|--------|------------|-------|
| Batch B2J0206 - EPA 5030 Water (Purge and Trap) | | | | | | | | | | | |
| Blank (B2J0206-BLK1) | | | | | | Prepared & Analyzed: 10/02/12 | | | | | |
| 1,2,4-Trimethylbenzene | < 1.0 | 1.0 | 0.16 | ug/L | | | | | | | |
| 1,3,5-Trimethylbenzene | < 1.0 | 1.0 | 0.17 | ug/L | | | | | | | |
| Benzene | < 1.0 | 1.0 | 0.11 | ug/L | | | | | | | |
| Ethylbenzene | < 1.0 | 1.0 | 0.095 | ug/L | | | | | | | |
| Toluene | < 1.0 | 1.0 | 0.16 | ug/L | | | | | | | |
| Xylenes (total) | < 3.0 | 3.0 | 0.19 | ug/L | | | | | | | |
| Surrogate: 4-Fluorochlorobenzene | 26.5 | | | ug/L | 25.0 | | 106 | 80-150 | | | |
| LCS (B2J0206-BS1) | | | | | | Prepared & Analyzed: 10/02/12 | | | | | |
| 1,2,4-Trimethylbenzene | 95.1 | 1.0 | 0.16 | ug/L | 100 | | 95.1 | 80-120 | | | |
| 1,3,5-Trimethylbenzene | 96.0 | 1.0 | 0.17 | ug/L | 100 | | 96.0 | 80-120 | | | |
| Benzene | 94.6 | 1.0 | 0.11 | ug/L | 100 | | 94.6 | 80-120 | | | |
| Ethylbenzene | 91.9 | 1.0 | 0.095 | ug/L | 100 | | 91.9 | 80-120 | | | |
| Toluene | 95.6 | 1.0 | 0.16 | ug/L | 100 | | 95.6 | 80-120 | | | |
| Xylenes (total) | 282 | 3.0 | 0.19 | ug/L | 300 | | 94.0 | 80-120 | | | |
| Surrogate: 4-Fluorochlorobenzene | 25.6 | | | ug/L | 25.0 | | 103 | 80-150 | | | |
| LCS Dup (B2J0206-BSD1) | | | | | | Prepared: 10/02/12 Analyzed: 10/03/12 | | | | | |
| 1,2,4-Trimethylbenzene | 94.1 | 1.0 | 0.16 | ug/L | 100 | | 94.1 | 80-120 | 1.10 | 20 | |
| 1,3,5-Trimethylbenzene | 91.5 | 1.0 | 0.17 | ug/L | 100 | | 91.5 | 80-120 | 4.74 | 20 | |
| Benzene | 89.9 | 1.0 | 0.11 | ug/L | 100 | | 89.9 | 80-120 | 5.05 | 20 | |
| Ethylbenzene | 93.2 | 1.0 | 0.095 | ug/L | 100 | | 93.2 | 80-120 | 1.37 | 20 | |
| Toluene | 94.9 | 1.0 | 0.16 | ug/L | 100 | | 94.9 | 80-120 | 0.688 | 20 | |
| Xylenes (total) | 282 | 3.0 | 0.19 | ug/L | 300 | | 94.0 | 80-120 | 0.0348 | 20 | |
| Surrogate: 4-Fluorochlorobenzene | 28.6 | | | ug/L | 25.0 | | 115 | 80-150 | | | |
| Matrix Spike (B2J0206-MS1) | | | | | | Source: 1204568-01 Prepared: 10/02/12 Analyzed: 10/03/12 | | | | | |
| 1,2,4-Trimethylbenzene | 96.7 | 1.0 | 0.16 | ug/L | 100 | <1.0 | 96.7 | 80-120 | | | |
| 1,3,5-Trimethylbenzene | 93.9 | 1.0 | 0.17 | ug/L | 100 | <1.0 | 93.9 | 80-120 | | | |
| Benzene | 91.8 | 1.0 | 0.11 | ug/L | 100 | <1.0 | 91.4 | 80-120 | | | |
| Ethylbenzene | 95.9 | 1.0 | 0.095 | ug/L | 100 | <1.0 | 95.6 | 80-120 | | | |
| Toluene | 96.7 | 1.0 | 0.16 | ug/L | 100 | <1.0 | 96.7 | 80-120 | | | |
| Xylenes (total) | 292 | 3.0 | 0.19 | ug/L | 300 | <3.0 | 97.5 | 80-120 | | | |
| Surrogate: 4-Fluorochlorobenzene | 28.5 | | | ug/L | 25.0 | | 114 | 80-150 | | | |

| | | |
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| Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435 | Project: 49550029 Project Number: 49550029.00 2012 001 MP85 Project Manager: Ms. Andrea Nord | Work Order #: 1204568 Date Reported: 10/09/12 |
|---|--|--|

Notes and Definitions

| | |
|-----|---|
| < | Less than value listed |
| dry | Sample results reported on a dry weight basis |
| NA | Not applicable. The %RPD is not calculated from values less than the reporting limit. |
| MDL | Method Detection Limit |
| RL | Reporting Limit |
| RPD | Relative Percent Difference |
| LCS | Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB) |
| MS | Matrix Spike = Laboratory Fortified Matrix (LFM) |

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

1204568

Project Number: 49/55 0029.00 2012 001
 Project Name: mp-85 Extend W
 Sample Origination State: WI (use two letter postal state abbreviation)
 CDC Number: No 32200

| Number of Containers/Preservative | | Total Number Of Containers |
|--|---|----------------------------|
| Water | Soil | |
| SVOCs (unpreserved) #1 | VOCL (stared MeOH) #1 | |
| Dissolved Metals (HNO ₃) | GR0, BTEX (stared MeOH) #1 | |
| Total Metals (HNO ₃) | DRO (stared unpreserved) 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
 Project Manager: J. Aspin
 Project QC Contact:
 Sampled by: W. White
 Laboratory: Legend

| Location | Start Depth | Stop Depth | Depth Unit (m./ft. or in.) | Collection Date (mm/dd/yyyy) | Collection Time (hh:mm) | Matrix | | Type | | SVOCs (unpreserved) #1 | Dissolved Metals (HNO ₃) | Total Metals (HNO ₃) | General (unpreserved) #3 | Diesel Range Organics (HCl) | Nutrients (H ₂ SO ₄) #4 | VOCL (stared MeOH) #1 | GR0, BTEX (stared MeOH) #1 | DRO (stared unpreserved) Metals (unpreserved) | SVOCs (unpreserved) #2 | % Solids (plastic vial, unpres.) | |
|----------|-------------|------------|----------------------------|------------------------------|-------------------------|--------|------|------|-------|------------------------|--------------------------------------|----------------------------------|--------------------------|-----------------------------|--|-----------------------|----------------------------|---|------------------------|----------------------------------|--|
| | | | | | | Water | Soil | Grab | Comp. | | | | | | | | | | | | |
| 01 MW-16 | | | | 09/26/2012 | 9:35 | | | | | X | | | | | | | | | | | |
| 02 MW-15 | | | | 09/26/2012 | 9:24 | | | | | X | | | | | | | | | | | |
| 03 MW-14 | | | | 09/26/2012 | 11:08 | | | | | X | | | | | | | | | | | |
| 04 MW-21 | | | | 09/26/2012 | 8:52 | | | | | X | | | | | | | | | | | |
| 05 MW-6 | | | | 09/26/2012 | 10:25 | | | | | X | | | | | | | | | | | |
| 06 MW-12 | | | | 09/26/2012 | 10:50 | | | | | X | | | | | | | | | | | |
| 07 MW-2 | | | | 09/26/2012 | 2:52 | | | | | X | | | | | | | | | | | |
| 08 MW-5 | | | | 09/26/2012 | 2:10 | | | | | X | | | | | | | | | | | |
| 09 MW-34 | | | | 09/26/2012 | 11:52 | | | | | X | | | | | | | | | | | |
| 10 MW-33 | | | | 09/26/2012 | 1:31 | | | | | X | | | | | | | | | | | |

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GR0, 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: [Signature] On Ice? Y N Date: 9/27/12 Time: 11:00am
 Received by: [Signature] Date: 9/28/12 Time: 10:10
 Samples Shipped VIA: Air Freight Federal Express Sampler Other: UPS
 Air Bill Number:

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

Legend Technical Services, Inc.
 The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

December 28, 2012

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1205929
RE: 49550029

Enclosed are the results of analyses for samples received by the laboratory on 12/20/12. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

WI Certification #998022410

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink that reads "Bach Pham".

Bach Pham
Client Manager II
bpham@legend-group.com

A handwritten signature in black ink that reads "Tyler Jones".

Tyler Jones
Chemist I
tjones@legend-group.com

| | | |
|---|---|--|
| Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435 | Project: 49550029 Project Number: 49550029.00 2012 001 Project Manager: Ms. Andrea Nord | Work Order #: 1205929 Date Reported: 12/28/12 |
|---|---|--|

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|------------|---------------|--------|----------------|----------------|
| MW-21 | 1205929-01 | Water | 12/17/12 13:20 | 12/20/12 10:40 |
| MW-33 | 1205929-02 | Water | 12/18/12 09:54 | 12/20/12 10:40 |
| Duplicate | 1205929-03 | Water | 12/18/12 00:00 | 12/20/12 10:40 |
| MW-34 | 1205929-04 | Water | 12/18/12 09:08 | 12/20/12 10:40 |
| MW-2 | 1205929-05 | Water | 12/17/12 16:30 | 12/20/12 10:40 |
| MW-3 | 1205929-06 | Water | 12/18/12 10:35 | 12/20/12 10:40 |
| MW-5 | 1205929-07 | Water | 12/17/12 16:03 | 12/20/12 10:40 |
| MW-6 | 1205929-08 | Water | 12/17/12 14:38 | 12/20/12 10:40 |
| MW-11 | 1205929-09 | Water | 12/18/12 12:00 | 12/20/12 10:40 |
| MW-12 | 1205929-10 | Water | 12/17/12 15:09 | 12/20/12 10:40 |
| MW-14 | 1205929-11 | Water | 12/17/12 15:31 | 12/20/12 10:40 |
| MW-15 | 1205929-12 | Water | 12/17/12 13:52 | 12/20/12 10:40 |
| MW-16 | 1205929-13 | Water | 12/17/12 14:13 | 12/20/12 10:40 |
| Trip Blank | 1205929-14 | Water | 12/17/12 00:00 | 12/20/12 10:40 |

Shipping Container Information

Default Cooler Temperature (°C): 5.7

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: No

Case Narrative:

| | | |
|---|---|--|
| Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435 | Project: 49550029 Project Number: 49550029.00 2012 001 Project Manager: Ms. Andrea Nord | Work Order #: 1205929 Date Reported: 12/28/12 |
|---|---|--|

WI(95) GRO/8015B
Legend Technical Services, Inc.

| Analyte | Result | RL | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|--------|-----|-------|----------|----------|---------|----------|----------|------------|-------|
| MW-21 (1205929-01) Water Sampled: 12/17/12 13:20 Received: 12/20/12 10:40 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | <1.0 | 1.0 | 0.16 | ug/L | 1 | B2L2010 | 12/20/12 | 12/20/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | <1.0 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | <1.0 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | <1.0 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | <3.0 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 97.0 | | | 80-150 % | | " | " | " | " | |
| MW-33 (1205929-02) Water Sampled: 12/18/12 09:54 Received: 12/20/12 10:40 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | 8.1 | 1.0 | 0.16 | ug/L | 1 | B2L2010 | 12/20/12 | 12/20/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | 16 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | 38 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | 43 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | 11 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 98.9 | | | 80-150 % | | " | " | " | " | |
| Duplicate (1205929-03) Water Sampled: 12/18/12 00:00 Received: 12/20/12 10:40 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | 8.7 | 1.0 | 0.16 | ug/L | 1 | B2L2010 | 12/20/12 | 12/20/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | 16 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | 39 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | 43 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | 12 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 101 | | | 80-150 % | | " | " | " | " | |
| MW-34 (1205929-04) Water Sampled: 12/18/12 09:08 Received: 12/20/12 10:40 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | 1.1 | 1.0 | 0.16 | ug/L | 1 | B2L2010 | 12/20/12 | 12/20/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | 5.0 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | 21 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | 19 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | <3.0 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 95.6 | | | 80-150 % | | " | " | " | " | |
| MW-2 (1205929-05) Water Sampled: 12/17/12 16:30 Received: 12/20/12 10:40 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | 17 | 1.0 | 0.16 | ug/L | 1 | B2L2010 | 12/20/12 | 12/20/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | 25 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | 32 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | 57 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |

| | | |
|---|---|--|
| Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435 | Project: 49550029 Project Number: 49550029.00 2012 001 Project Manager: Ms. Andrea Nord | Work Order #: 1205929 Date Reported: 12/28/12 |
|---|---|--|

WI(95) GRO/8015B
Legend Technical Services, Inc.

| Analyte | Result | RL | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|----|-----|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|----|-----|-------|----------|-------|----------|----------|--------|-------|

MW-2 (1205929-05) Water Sampled: 12/17/12 16:30 Received: 12/20/12 10:40

| | | | | | | | | | | |
|----------------------------------|-----------|-----|------|----------|---|---------|----------|----------|------------|--|
| Xylenes (total) | 36 | 3.0 | 0.19 | ug/L | 1 | B2L2010 | 12/20/12 | 12/20/12 | WI(95) GRO | |
| Surrogate: 4-Fluorochlorobenzene | 97.2 | | | 80-150 % | | " | " | " | " | |

MW-3 (1205929-06) Water Sampled: 12/18/12 10:35 Received: 12/20/12 10:40

| | | | | | | | | | | |
|----------------------------------|------|-----|-------|----------|---|---------|----------|----------|------------|--|
| 1,2,4-Trimethylbenzene | <1.0 | 1.0 | 0.16 | ug/L | 1 | B2L2010 | 12/20/12 | 12/20/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | <1.0 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | <1.0 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | <1.0 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | <3.0 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 99.9 | | | 80-150 % | | " | " | " | " | |

MW-5 (1205929-07) Water Sampled: 12/17/12 16:03 Received: 12/20/12 10:40

| | | | | | | | | | | |
|----------------------------------|------------|-----|-------|----------|---|---------|----------|----------|------------|--|
| 1,2,4-Trimethylbenzene | 1.9 | 1.0 | 0.16 | ug/L | 1 | B2L2010 | 12/20/12 | 12/20/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | 42 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | 110 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | 120 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | 8.6 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 101 | | | 80-150 % | | " | " | " | " | |

MW-6 (1205929-08) Water Sampled: 12/17/12 14:38 Received: 12/20/12 10:40

| | | | | | | | | | | |
|----------------------------------|------|-----|-------|----------|---|---------|----------|----------|------------|--|
| 1,2,4-Trimethylbenzene | <1.0 | 1.0 | 0.16 | ug/L | 1 | B2L2010 | 12/20/12 | 12/20/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | <1.0 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | <1.0 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | <1.0 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | <3.0 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 96.9 | | | 80-150 % | | " | " | " | " | |

MW-11 (1205929-09) Water Sampled: 12/18/12 12:00 Received: 12/20/12 10:40

| | | | | | | | | | | |
|----------------------------------|------------|-----|-------|----------|---|---------|----------|----------|------------|--|
| 1,2,4-Trimethylbenzene | 140 | 1.0 | 0.16 | ug/L | 1 | B2L2010 | 12/20/12 | 12/20/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | 57 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | 70 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | 120 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | 1.1 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | 490 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 96.9 | | | 80-150 % | | " | " | " | " | |

MW-12 (1205929-10) Water Sampled: 12/17/12 15:09 Received: 12/20/12 10:40

| | | | | | | | | | | |
|-------------------------------|-----------|-----|------|------|---|---------|----------|----------|------------|--|
| 1,2,4-Trimethylbenzene | 39 | 1.0 | 0.16 | ug/L | 1 | B2L2010 | 12/20/12 | 12/20/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | 28 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | 11 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |

| | | |
|---|---|--|
| Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435 | Project: 49550029 Project Number: 49550029.00 2012 001 Project Manager: Ms. Andrea Nord | Work Order #: 1205929 Date Reported: 12/28/12 |
|---|---|--|

WI(95) GRO/8015B
Legend Technical Services, Inc.

| Analyte | Result | RL | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|-----|-------|----------|----------|---------|----------|----------|------------|-------|
| MW-12 (1205929-10) Water Sampled: 12/17/12 15:09 Received: 12/20/12 10:40 | | | | | | | | | | |
| Ethylbenzene | 8.9 | 1.0 | 0.095 | ug/L | 1 | B2L2010 | 12/20/12 | 12/20/12 | WI(95) GRO | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | 35 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 98.9 | | | 80-150 % | | " | " | " | " | |
| MW-14 (1205929-11) Water Sampled: 12/17/12 15:31 Received: 12/20/12 10:40 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | <1.0 | 1.0 | 0.16 | ug/L | 1 | B2L2010 | 12/20/12 | 12/20/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | <1.0 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | <1.0 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | <1.0 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | <3.0 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 97.7 | | | 80-150 % | | " | " | " | " | |
| MW-15 (1205929-12) Water Sampled: 12/17/12 13:52 Received: 12/20/12 10:40 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | <1.0 | 1.0 | 0.16 | ug/L | 1 | B2L2010 | 12/20/12 | 12/20/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | <1.0 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | <1.0 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | <1.0 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | <3.0 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 97.6 | | | 80-150 % | | " | " | " | " | |
| MW-16 (1205929-13) Water Sampled: 12/17/12 14:13 Received: 12/20/12 10:40 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | <1.0 | 1.0 | 0.16 | ug/L | 1 | B2L2010 | 12/20/12 | 12/20/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | <1.0 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | <1.0 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | <1.0 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | <3.0 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 98.8 | | | 80-150 % | | " | " | " | " | |
| Trip Blank (1205929-14) Water Sampled: 12/17/12 00:00 Received: 12/20/12 10:40 | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | <1.0 | 1.0 | 0.16 | ug/L | 1 | B2L2010 | 12/20/12 | 12/20/12 | WI(95) GRO | |
| 1,3,5-Trimethylbenzene | <1.0 | 1.0 | 0.17 | ug/L | 1 | " | " | " | " | |
| Benzene | <1.0 | 1.0 | 0.11 | ug/L | 1 | " | " | " | " | |
| Ethylbenzene | <1.0 | 1.0 | 0.095 | ug/L | 1 | " | " | " | " | |
| Toluene | <1.0 | 1.0 | 0.16 | ug/L | 1 | " | " | " | " | |
| Xylenes (total) | <3.0 | 3.0 | 0.19 | ug/L | 1 | " | " | " | " | |
| Surrogate: 4-Fluorochlorobenzene | 99.9 | | | 80-150 % | | " | " | " | " | |

| | | |
|---|---|--|
| Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435 | Project: 49550029 Project Number: 49550029.00 2012 001 Project Manager: Ms. Andrea Nord | Work Order #: 1205929 Date Reported: 12/28/12 |
|---|---|--|

WI(95) GRO/8015B - Quality Control
Legend Technical Services, Inc.

| Analyte | Result | RL | MDL | Units | Spike Level | Source Result | %REC | %REC Limits | %RPD | %RPD Limit | Notes |
|--|--------|-----|-------|-------|-------------|--|------|-------------|-------|------------|-------|
| Batch B2L2010 - EPA 5030 Water (Purge and Trap) | | | | | | | | | | | |
| Blank (B2L2010-BLK1) | | | | | | Prepared & Analyzed: 12/20/12 | | | | | |
| 1,2,4-Trimethylbenzene | < 1.0 | 1.0 | 0.16 | ug/L | | | | | | | |
| 1,3,5-Trimethylbenzene | < 1.0 | 1.0 | 0.17 | ug/L | | | | | | | |
| Benzene | < 1.0 | 1.0 | 0.11 | ug/L | | | | | | | |
| Ethylbenzene | < 1.0 | 1.0 | 0.095 | ug/L | | | | | | | |
| Toluene | < 1.0 | 1.0 | 0.16 | ug/L | | | | | | | |
| Xylenes (total) | < 3.0 | 3.0 | 0.19 | ug/L | | | | | | | |
| Surrogate: 4-Fluorochlorobenzene | 25.7 | | | ug/L | 25.0 | | 103 | 80-150 | | | |
| LCS (B2L2010-BS1) | | | | | | Prepared & Analyzed: 12/20/12 | | | | | |
| 1,2,4-Trimethylbenzene | 95.3 | 1.0 | 0.16 | ug/L | 100 | | 95.3 | 80-120 | | | |
| 1,3,5-Trimethylbenzene | 95.9 | 1.0 | 0.17 | ug/L | 100 | | 95.9 | 80-120 | | | |
| Benzene | 92.2 | 1.0 | 0.11 | ug/L | 100 | | 92.2 | 80-120 | | | |
| Ethylbenzene | 91.8 | 1.0 | 0.095 | ug/L | 100 | | 91.8 | 80-120 | | | |
| Toluene | 94.2 | 1.0 | 0.16 | ug/L | 100 | | 94.2 | 80-120 | | | |
| Xylenes (total) | 280 | 3.0 | 0.19 | ug/L | 300 | | 93.2 | 80-120 | | | |
| Surrogate: 4-Fluorochlorobenzene | 23.8 | | | ug/L | 25.0 | | 95.1 | 80-150 | | | |
| LCS Dup (B2L2010-BSD1) | | | | | | Prepared: 12/20/12 Analyzed: 12/21/12 | | | | | |
| 1,2,4-Trimethylbenzene | 96.1 | 1.0 | 0.16 | ug/L | 100 | | 96.1 | 80-120 | 0.867 | 20 | |
| 1,3,5-Trimethylbenzene | 94.3 | 1.0 | 0.17 | ug/L | 100 | | 94.3 | 80-120 | 1.72 | 20 | |
| Benzene | 94.0 | 1.0 | 0.11 | ug/L | 100 | | 94.0 | 80-120 | 1.88 | 20 | |
| Ethylbenzene | 95.1 | 1.0 | 0.095 | ug/L | 100 | | 95.1 | 80-120 | 3.51 | 20 | |
| Toluene | 97.6 | 1.0 | 0.16 | ug/L | 100 | | 97.6 | 80-120 | 3.57 | 20 | |
| Xylenes (total) | 287 | 3.0 | 0.19 | ug/L | 300 | | 95.6 | 80-120 | 2.56 | 20 | |
| Surrogate: 4-Fluorochlorobenzene | 25.3 | | | ug/L | 25.0 | | 101 | 80-150 | | | |
| Matrix Spike (B2L2010-MS1) | | | | | | Source: 1205929-01 Prepared: 12/20/12 Analyzed: 12/21/12 | | | | | |
| 1,2,4-Trimethylbenzene | 96.0 | 1.0 | 0.16 | ug/L | 100 | <1.0 | 96.0 | 80-120 | | | |
| 1,3,5-Trimethylbenzene | 94.9 | 1.0 | 0.17 | ug/L | 100 | <1.0 | 94.9 | 80-120 | | | |
| Benzene | 97.2 | 1.0 | 0.11 | ug/L | 100 | <1.0 | 97.2 | 80-120 | | | |
| Ethylbenzene | 95.1 | 1.0 | 0.095 | ug/L | 100 | <1.0 | 94.8 | 80-120 | | | |
| Toluene | 98.0 | 1.0 | 0.16 | ug/L | 100 | <1.0 | 98.0 | 80-120 | | | |
| Xylenes (total) | 288 | 3.0 | 0.19 | ug/L | 300 | <3.0 | 96.0 | 80-120 | | | |
| Surrogate: 4-Fluorochlorobenzene | 24.4 | | | ug/L | 25.0 | | 97.6 | 80-150 | | | |

| | | |
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| Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435 | Project: 49550029 Project Number: 49550029.00 2012 001 Project Manager: Ms. Andrea Nord | Work Order #: 1205929 Date Reported: 12/28/12 |
|---|---|--|

Notes and Definitions

| | |
|-----|---|
| < | Less than value listed |
| dry | Sample results reported on a dry weight basis |
| NA | Not applicable. The %RPD is not calculated from values less than the reporting limit. |
| MDL | Method Detection Limit |
| RL | Reporting Limit |
| RPD | Relative Percent Difference |
| LCS | Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB) |
| MS | Matrix Spike = Laboratory Fortified Matrix (LFM) |



Chain of Custody

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

1705929

Project Number: 49/55-0029.00 2012 001

Project Name: Enbridge Energy Milepost BS Field WI

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

COC Number: **№ 32203**

| Location | | Start Depth | Stop Depth | Depth Unit (m./ft. or in.) | Collection Date (mm/dd/yyyy) | Collection Time (hh:mm) | Matrix | | Type | Number of Containers/Preservative | | Total Number Of Containers |
|----------|---------------------|-------------|------------|----------------------------|------------------------------|-------------------------|--------|------|------|-----------------------------------|------|----------------------------|
| | | | | | | | Water | Soil | | Water | Soil | |
| 1. | <u>01 MW-21</u> | | | | <u>12/17/12</u> | <u>1:20</u> | | | | | | |
| 2. | <u>02 MW-33</u> | | | | <u>12/18/12</u> | <u>9:51</u> | | | | | | |
| 3. | <u>03 duplicate</u> | | | | <u>12/18/12</u> | <u>—</u> | | | | | | |
| 4. | <u>04 MW-34</u> | | | | <u>12/18/12</u> | <u>9:08</u> | | | | | | |
| 5. | | | | | | | | | | | | |
| 6. | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | |

COC 1 of 2

Project Manager: Sue Casper

Project QC Contact: _____

Sampled by: W. Marshall

Laboratory: Legend

- Common Parameter/Container - Preservation Key**
- #1 - Volatile Organics = BTEX, GRQ, 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: [Signature] On Ice? N Date: 12/19/12 Time: 2:04 PM Received by: _____ Date: _____ Time: _____

Relinquished By: _____ On Ice? N Date: _____ Time: _____ Received by: [Signature] Date: 12/20/12 Time: 10:40

Samples Shipped VIA: Air Freight Federal Express Sampler Other: UPS Air Bill Number: _____

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

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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

1205929

Project Number: 49/55-0029.00 2012 001
 Project Name: Edbridge Energy Milepost 85 Exhd W.
 Sample Origination State W (use two letter postal state abbreviation)
 COC Number: **No 32197**

| Number of Containers/Preservative | | COC <u>2 of 2</u> | | | | | | | |
|---|-------------|---|----------------------------|------------------------------|-------------------------|--------|------|-------|----------------------------|
| Water | Soil | | | | | | | | |
| VOCs (unpreserved) #2 Disolved Metals (HNO ₃) Total Metals (HNO ₃) General (unpreserved) #3 Diesel Range Organics (HCl) Nutrients (H ₂ SO ₄) #4 | | Project Manager: <u>Jason</u> Project QC Contact: Sampled by: <u>U. McNeil</u> Laboratory: <u>Legend</u> | | | | | | | |
| VOCs (tared MeOH) #1 GRQ, BTEX (tared MeOH) #1 DRO (tared unpreserved) Metals (unpreserved) SVOCs (unpreserved) #2 % Solids (plastic vial, unpres.) | | | | | | | | | |
| Location | Start Depth | Stop Depth | Depth Unit (m./ft. or in.) | Collection Date (mm/dd/yyyy) | Collection Time (hh:mm) | Matrix | | Type | Total Number Of Containers |
| | | | | | | Water | Soil | Grab | |
| | | | | | | | | Comp. | |
| | | | | | | | | QC | |
| 1. OS MW-2 | | | | 12/17/12 | 4:30 | | | | |
| 2. DO MW-3 | | | | 12/18/12 | 10:35 | | | | |
| 3. OF MW-5 | | | | 12/17/12 | 4:03 | | | | |
| 4. OF MW-6 | | | | 12/17/12 | 2:38 | | | | |
| 5. OF MW-11 | | | | 12/18/12 | 12:00 | | | | |
| 6. 10 MW-12 | | | | 12/17/12 | 3:09 | | | | |
| 7. 11 MW-14 | | | | 12/17/12 | 3:31 | | | | |
| 8. 12 MW-15 | | | | 12/17/12 | 1:52 | | | | |
| 9. 13 MW-16 | | | | 12/17/12 | 2:13 | | | | |
| 10. 14 <u>Top Blank #12/18/12</u> | | | | | | | | | no sample |
| | | | | | | | | | |

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRQ, 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: [Signature] On Ice? N Date: 12/9/12 Time: 2:05pm Received by: _____ Date: _____ Time: _____

Relinquished By: _____ On Ice? N Date: _____ Time: _____ Received by: [Signature] Date: 12/12/12 Time: 10:40

Samples Shipped VIA: Air Freight Federal Express Sampler Other: [Signature] Air Bill Number: _____

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

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.