

Enbridge Pipelines (Lakehead) L.L.C.
Environment Department
26 East Superior Street, Suite 309
Duluth, MN 55802
Tel 218 464 5623



www.enbridgepartners.com

August 16, 2017

Mr. John Sager
Wisconsin Department of Natural Resources
1701 N 4th Street
Superior, WI 54880

**Re: Facility-Wide Site Investigation and Remedial Action Plan
Enbridge Energy Superior Terminal, Superior, WI
WDNR BRTS Activity #: 02-16-560657**

Dear Mr. Sager:

The attached *Site Investigation and Response Action Plan (SI/RAP) Addendum* has been prepared in response to the Wisconsin Department of Natural Resources (WDNR) SI/RAP conditional approval letter for the above referenced site dated September 19, 2014. This Addendum provides a summary of the additional investigation activities completed and outlines several clarifications to Facility-Wide approach in support of the pending Memorandum of Agreement (MOA) for this site.

With this Addendum, we are requesting WDNR provide final approval of the SI/RAP. After receiving final SI/RAP approval, we will prepare and submit the Facility-Wide GIS Registry and associated release site updates.

Payment in the amount of \$1,050 will be submitted under separate cover via hard mail.

If you have any questions, please contact me at 218-464-5623.

Sincerely,
Enbridge Energy, LP

A handwritten signature in blue ink that reads 'Karl F. Beaster'.

Karl F. Beaster, P.G.
Sr. Environment Advisor

Enclosures: Technical Assistance and Environmental Liability Clarification Request
Addendum – Site Investigation and Remedial Action Plan

cc: Lynette Carney, Barr Engineering Co

Notice: Use this form to request a **written response (on agency letterhead)** from the Department of Natural Resources (DNR) regarding technical assistance, a post-closure change to a site, a specialized agreement or liability clarification for Property with known or suspected environmental contamination. A fee will be required as is authorized by s. 292.55, Wis. Stats., and NR 749, Wis. Adm. Code., unless noted in the instructions below. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31 - 19.39, Wis. Stats.].

Definitions

"Property" refers to the subject Property that is perceived to have been or has been impacted by the discharge of hazardous substances.

"Liability Clarification" refers to a written determination by the Department provided in response to a request made on this form. The response clarifies whether a person is or may become liable for the environmental contamination of a Property, as provided in s. 292.55, Wis. Stats.

"Technical Assistance" refers to the Department's assistance or comments on the planning and implementation of an environmental investigation or environmental cleanup on a Property in response to a request made on this form as provided in s. 292.55, Wis. Stats.

"Post-closure modification" refers to changes to Property boundaries and/or continuing obligations for Properties or sites that received closure letters for which continuing obligations have been applied or where contamination remains. Many, but not all, of these sites are included on the GIS Registry layer of RR Sites Map to provide public notice of residual contamination and continuing obligations.

Select the Correct Form

This form should be used to request the following from the DNR:

- Technical Assistance
- Liability Clarification
- Post-Closure Modifications
- Specialized Agreements (tax cancellation, negotiated agreements, etc.)

Do not use this form if one of the following applies:

- Request for an **off-site liability exemption or clarification** for Property that has been or is perceived to be contaminated by one or more hazardous substances that originated on another Property containing the source of the contamination. Use DNR's Off-Site Liability Exemption and Liability Clarification Application Form 4400-201.
- Submittal of an Environmental Assessment for the **Lender Liability Exemption**, s 292.21, Wis. Stats., **if no response or review by DNR is requested**. Use the Lender Liability Exemption Environmental Assessment Tracking Form 4400-196.
- Request for an **exemption to develop on a historic fill site** or licensed landfill. Use DNR's Form 4400-226 or 4400-226A.
- **Request for closure** for Property where the investigation and cleanup actions are completed. Use DNR's Case Closure - GIS Registry Form 4400-202.

All forms, publications and additional information are available on the internet at: dnr.wi.gov/topic/Brownfields/Pubs.html.

Instructions

1. Complete sections 1, 2, 6 and 7 for all requests. Be sure to provide adequate and complete information.
2. Select the type of assistance requested: Section 3 for technical assistance or post-closure modifications, Section 4 for a written determination or clarification of environmental liabilities; or Section 5 for a specialized agreement.
3. Include the fee payment that is listed in Section 3, 4, or 5, unless you are a "Voluntary Party" enrolled in the Voluntary Party Liability Exemption Program **and** the questions in Section 2 direct otherwise. Information on to whom and where to send the fee is found in Section 8 of this form.
4. Send the completed request, supporting materials and the fee to the appropriate DNR regional office where the Property is located. See the map on the last page of this form. A paper copy of the signed form and all reports and supporting materials shall be sent with an electronic copy of the form and supporting materials on a compact disk. For electronic document submittal requirements see: <http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf>

The time required for DNR's determination varies depending on the complexity of the site, and the clarity and completeness of the request and supporting documentation.

Technical Assistance, Environmental Liability Clarification or Post-Closure Modification Request

Form 4400-237 (R 9/15)

Page 2 of 8

Section 1. Contact and Recipient Information

Requester Information

This is the person requesting technical assistance or a post-closure modification review, that his or her liability be clarified or a specialized agreement and is identified as the requester in Section 7. DNR will address its response letter to this person.

| | | | | | |
|------------------------------------|---------------------------|---------------------------|-----------------------------|-------|----------|
| Last Name | First | MI | Organization/ Business Name | | |
| Beaster | Karl | | Enbridge Engery | | |
| Mailing Address | | | City | State | ZIP Code |
| 26 East Superior Street, Suite 309 | | | Duluth | MN | 55802 |
| Phone # (include area code) | Fax # (include area code) | Email | | | |
| (218) 464-5623 | | karl.beaster@enbridge.com | | | |

The requester listed above: (select all that apply)

- Is currently the owner
 Is considering selling the Property
 Is renting or leasing the Property
 Is considering acquiring the Property
 Is a lender with a mortgagee interest in the Property
 Other. Explain the status of the Property with respect to the applicant:

Enbridge Energy is the property owner. Mr. Beaster is the Enbridge project contact.

Contact Information (to be contacted with questions about this request)

Select if same as requester

| | | | | | |
|-----------------------------|---------------------------|-------|-----------------------------|-------|----------|
| Contact Last Name | First | MI | Organization/ Business Name | | |
| Mailing Address | | | City | State | ZIP Code |
| Phone # (include area code) | Fax # (include area code) | Email | | | |

Environmental Consultant (if applicable)

| | | | | | |
|-----------------------------|---------------------------|------------------|-----------------------------|-------|----------|
| Contact Last Name | First | MI | Organization/ Business Name | | |
| Carney | Lynette | | Barr Engineering Co | | |
| Mailing Address | | | City | State | ZIP Code |
| 325 S Lake Ave, Ste 700 | | | Duluth | MN | 55802 |
| Phone # (include area code) | Fax # (include area code) | Email | | | |
| (218) 529-7141 | | lcarney@barr.com | | | |

Section 2. Property Information

| | | | | | |
|----------------------------|--|------------------------------|---|-------|---------------------|
| Property Name | | | FID No. (if known) | | |
| Enbridge Superior Terminal | | | | | |
| BRRTS No. (if known) | | Parcel Identification Number | | | |
| 02-16-560657 | | various | | | |
| Street Address | | | City | State | ZIP Code |
| 2800 East 21st Street | | | Superior | WI | 54880 |
| County | Municipality where the Property is located | | Property is composed of: | | Property Size Acres |
| Douglas | <input checked="" type="radio"/> City <input type="radio"/> Town <input type="radio"/> Village of Superior | | <input type="radio"/> Single tax parcel <input checked="" type="radio"/> Multiple tax parcels | | 560 |

**Technical Assistance, Environmental Liability
Clarification or Post-Closure Modification Request**

Form 4400-237 (R 9/15)

Page 3 of 8

1. Is a response needed by a specific date? (e.g., Property closing date) Note: Most requests are completed within 60 days. Please plan accordingly.

No Yes

Date requested by: _____

Reason: _____

2. Is the "Requester" enrolled as a Voluntary Party in the Voluntary Party Liability Exemption (VPLE) program?

No. **Include the fee that is required for your request in Section 3, 4 or 5.**

Yes. **Do not include a separate fee.** This request will be billed separately through the VPLE Program.

Fill out the information in Section 3, 4 or 5 which corresponds with the type of request:

Section 3. Technical Assistance or Post-Closure Modifications;

Section 4. Liability Clarification; or Section 5. Specialized Agreement.

Section 3. Request for Technical Assistance or Post-Closure Modification

Select the type of technical assistance requested: [Numbers in brackets are for WI DNR Use]

- No Further Action Letter (NFA) (Immediate Actions) - NR 708.09, [183] - **Include a fee of \$350.** Use for a written response to an immediate action after a discharge of a hazardous substance occurs. Generally, these are for a one-time spill event.
- Review of Site Investigation Work Plan - NR 716.09, [135] - **Include a fee of \$700.**
- Review of Site Investigation Report - NR 716.15, [137] - **Include a fee of \$1050.**
- Approval of a Site-Specific Soil Cleanup Standard - NR 720.10 or 12, [67] - **Include a fee of \$1050.**
- Review of a Remedial Action Options Report - NR 722.13, [143] - **Include a fee of \$1050.**
- Review of a Remedial Action Design Report - NR 724.09, [148] - **Include a fee of \$1050.**
- Review of a Remedial Action Documentation Report - NR 724.15, [152] - **Include a fee of \$350**
- Review of a Long-term Monitoring Plan - NR 724.17, [25] - **Include a fee of \$425.**
- Review of an Operation and Maintenance Plan - NR 724.13, [192] - **Include a fee of \$425.**

Other Technical Assistance - s. 292.55, Wis. Stats. [97] (For request to build on an abandoned landfill use Form 4400-226)

- Schedule a Technical Assistance Meeting - **Include a fee of \$700.**
- Hazardous Waste Determination - **Include a fee of \$700.**
- Other Technical Assistance - **Include a fee of \$700.** Explain your request in an attachment.

Post-Closure Modifications - NR 727, [181]

- Post-Closure Modifications: Modification to Property boundaries and/or continuing obligations of a closed site or Property; sites may be on the GIS Registry. This also includes removal of a site or Property from the GIS Registry. **Include a fee of \$1050, and:**
 - Include a fee of \$300 for sites with residual soil contamination; and
 - Include a fee of \$350 for sites with residual groundwater contamination, monitoring wells or for vapor intrusion continuing obligations.

Attach a description of the changes you are proposing, and documentation as to why the changes are needed (if the change to a Property, site or continuing obligation will result in revised maps, maintenance plans or photographs, those documents may be submitted later in the approval process, on a case-by-case basis).

Skip Sections 4 and 5 if the technical assistance you are requesting is listed above and complete Sections 6 and 7 of this form.

Technical Assistance, Environmental Liability
Clarification or Post-Closure Modification Request

Form 4400-237 (R 9/15)

Page 4 of 8

Section 4. Request for Liability Clarification

Select the type of liability clarification requested. Use the available space given or attach information, explanations, or specific questions that you need answered in DNR's reply. Complete Sections 6 and 7 of this form. **[Numbers in brackets are for DNR Use]**

"Lender" liability exemption clarification - s. 292.21, Wis. Stats. [686]

❖ **Include a fee of \$700.**

Provide the following documentation:

- (1) ownership status of the real Property, and/or the personal Property and fixtures;
- (2) an environmental assessment, in accordance with s. 292.21, Wis. Stats.;
- (3) the date the environmental assessment was conducted by the lender;
- (4) the date of the Property acquisition; for foreclosure actions, include a copy of the signed and dated court order confirming the sheriff's sale.
- (5) documentation showing how the Property was acquired and the steps followed under the appropriate state statutes.
- (6) a copy of the Property deed with the correct legal description; and,
- (7) the Lender Liability Exemption Environmental Assessment Tracking Form (Form 4400-196).
- (8) If no sampling was done, please provide reasoning as to why it was **not** conducted. Include this either in the accompanying environmental assessment or as an attachment to this form, and cite language in s. 292.21(1)(c)2., h.-i., Wis. Stats.:
 - h. The collection and analysis of representative samples of soil or other materials in the ground that are suspected of being contaminated based on observations made during a visual inspection of the real Property or based on aerial photographs, or other information available to the lender, including stained or discolored soil or other materials in the ground and including soil or materials in the ground in areas with dead or distressed vegetation. The collection and analysis shall identify contaminants in the soil or other materials in the ground and shall quantify concentrations.
 - i. The collection and analysis of representative samples of unknown wastes or potentially hazardous substances found on the real Property and the determination of concentrations of hazardous waste and hazardous substances found in tanks, drums or other containers or in piles or lagoons on the real Property.

"Representative" liability exemption clarification (e.g. trustees, receivers, etc.) - s. 292.21, Wis. Stats. [686]

❖ **Include a fee of \$700.**

Provide the following documentation:

- (1) ownership status of the Property;
- (2) the date of Property acquisition by the representative;
- (3) the means by which the Property was acquired;
- (4) documentation that the representative has no beneficial interest in any entity that owns, possesses, or controls the Property;
- (5) documentation that the representative has not caused any discharge of a hazardous substance on the Property; and
- (6) a copy of the Property deed with the correct legal description.

Clarification of local governmental unit (LGU) liability exemption at sites with: (select all that apply)

- hazardous substances spills - s. 292.11(9)(e), Wis. Stats. [649];
- Perceived environmental contamination - [649];
- hazardous waste - s. 292.24 (2), Wis. Stats. [649]; and/or
- solid waste - s. 292.23 (2), Wis. Stats. [649].

❖ **Include a fee of \$700, a summary of the environmental liability clarification being requested, and the following:**

- (1) clear supporting documentation showing the acquisition method used, and the steps followed under the appropriate state statute(s).
- (2) current and proposed ownership status of the Property;
- (3) date and means by which the Property was acquired by the LGU, where applicable;
- (4) a map and the ¼, ¼ section location of the Property;
- (5) summary of current uses of the Property;
- (6) intended or potential use(s) of the Property;
- (7) descriptions of other investigations that have taken place on the Property; and
- (8) (for solid waste clarifications) a summary of the license history of the facility.

**Technical Assistance, Environmental Liability
Clarification or Post-Closure Modification Request**

Form 4400-237 (R 9/15)

Page 5 of 8

Section 4. Request for Liability Clarification (cont.)

Lease liability clarification - s. 292.55, Wis. Stats. [646]

❖ **Include a fee of \$700 for a single Property, or \$1400 for multiple Properties and the information listed below:**

- (1) a copy of the proposed lease;
- (2) the name of the current owner of the Property and the person who will lease the Property;
- (3) a description of the lease holder's association with any persons who have possession, control, or caused a discharge of a hazardous substance on the Property;
- (4) map(s) showing the Property location and any suspected or known sources of contamination detected on the Property;
- (5) a description of the intended use of the Property by the lease holder, with reference to the maps to indicate which areas will be used. Explain how the use will not interfere with any future investigation or cleanup at the Property; and
- (6) all reports or investigations (e.g. Phase I and Phase II Environmental Assessments and/or Site Investigation Reports conducted under s. NR 716, Wis. Adm. Code) that identify areas of the Property where a discharge has occurred.

General or other environmental liability clarification - s. 292.55, Wis. Stats. [682] - Explain your request below.

❖ **Include a fee of \$700 and an adequate summary of relevant environmental work to date.**

No Action Required (NAR) - NR 716.05, [682]

❖ **Include a fee of \$700.**

Use where an environmental discharge has or has not occurred, and applicant wants a DNR determination that no further assessment or clean-up work is required. Usually this is requested after a Phase I and Phase II environmental assessment has been conducted; the assessment reports should be submitted with this form. This is not a closure letter.

Clarify the liability associated with a "closed" Property - s. 292.55, Wis. Stats. [682]

❖ **Include a fee of \$700.**

- Include a copy of any closure documents if a state agency other than DNR approved the closure.

Use this space or attach additional sheets to provide necessary information, explanations or specific questions to be answered by the DNR.

Technical Assistance, Environmental Liability
Clarification or Post-Closure Modification Request

Form 4400-237 (R 9/15)

Page 6 of 8

Section 5. Request for a Specialized Agreement

Select the type of agreement needed. Include the appropriate draft agreements and supporting materials. Complete Sections 6 and 7 of this form. More information and model draft agreements are available at: dnr.wi.gov/topic/Brownfields/lgu.html#tabx4.

Tax cancellation agreement - s. 75.105(2)(d), Wis. Stats. [654]

❖ **Include a fee of \$700, and the information listed below:**

- (1) Phase I and II Environmental Site Assessment Reports,
- (2) a copy of the Property deed with the correct legal description; and,
- (3) a draft 75.105 agreement based on the DNR's model (dnr.wi.gov/topic/brownfields/documents/mod75-105agrmt.pdf).

Agreement for assignment of tax foreclosure judgement - s.75.106, Wis. Stats. [666]

❖ **Include a fee of \$700, and the information listed below:**

- (1) Phase I and II Environmental Site Assessment Reports,
- (2) a copy of the Property deed with the correct legal description; and,
- (3) a draft 75.105 agreement based on the DNR's model (dnr.wi.gov/topic/brownfields/documents/mod75-106agrmt.pdf).

Negotiated agreement - Enforceable contract for non-emergency remediation - s. 292.11(7)(d) and (e), Wis. Stats. [630]

❖ **Include a fee of \$1400, and the information listed below:**

- (1) a draft schedule for remediation; and,
- (2) the name, mailing address, phone and email for each party to the agreement.

Section 6. Other Information Submitted

Identify all materials that are included with this request.

Include one copy of any document from any state agency files that you want the Department to review as part of this request. The person submitting this request is responsible for contacting other state agencies to obtain appropriate reports or information.

Phase I Environmental Site Assessment Report - Date: _____

Phase II Environmental Site Assessment Report - Date: _____

Legal Description of Property (required for all liability requests and specialized agreements)

Map of the Property (required for all liability requests and specialized agreements)

Analytical results of the following sampled media: Select all that apply and include date of collection.

Groundwater Soil Sediment Other medium - Describe: _____

Date of Collection: _____

A copy of the closure letter and submittal materials

Draft tax cancellation agreement

Draft agreement for assignment of tax foreclosure judgment

Other report(s) or information - Describe: _____

For Property with newly identified discharges of hazardous substances only: Has a notification of a discharge of a hazardous substance been sent to the DNR as required by s. NR 706.05(1)(b), Wis. Adm. Code?

Yes - Date (if known): _____

No

Note: The Notification for Hazardous Substance Discharge (non-emergency) form is available at: dnr.wi.gov/files/PDF/forms/4400/4400-225.pdf

Technical Assistance, Environmental Liability
Clarification or Post-Closure Modification Request

Form 4400-237 (R 9/15)

Page 7 of 8

Section 7. Certification by the Person who completed this form

I am the person submitting this request (requester)

I prepared this request for: _____

Requester Name

I certify that I am familiar with the information submitted on this request, and that the information on and included with this request is true, accurate and complete to the best of my knowledge. I also certify I have the legal authority and the applicant's permission to make this request.

Carl Beate
Signature

08-16-2017
Date Signed

Sr. Environment Advisor
Title

218.464.5623
Telephone Number (include area code)

Technical Assistance, Environmental Liability Clarification or Post-Closure Modification Request

Form 4400-237 (R 9/15)

Page 8 of 8

Section 8. DNR Contacts and Addresses for Request Submittals

Send or deliver one paper copy and one electronic copy on a compact disk of the completed request, supporting materials, and fee to the region where the property is located to the address below. Contact a [DNR regional brownfields specialist](#) with any questions about this form or a specific situation involving a contaminated property. For electronic document submittal requirements see:

<http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf>.

DNR NORTHERN REGION

Attn: RR Program Assistant
Department of Natural Resources
223 E Steinfest Rd Antigo, WI 54409

DNR NORTHEAST REGION

Attn: RR Program Assistant
Department of Natural Resources
2984 Shawano Avenue
Green Bay WI 54313

DNR SOUTH CENTRAL REGION

Attn: RR Program Assistant
Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg WI 53711

DNR SOUTHEAST REGION

Attn: RR Program Assistant
Department of Natural Resources
2300 North Martin Luther King Drive
Milwaukee WI 53212

DNR WEST CENTRAL REGION

Attn: RR Program Assistant
Department of Natural Resources
1300 Clairemont Ave.
Eau Claire WI 54702



Note: These are the Remediation and Redevelopment Program's designated regions. Other DNR program regional boundaries may be different.

| DNR Use Only | | | |
|---|---------------------|---------------------------------------|--|
| Date Received | Date Assigned | BRRTS Activity Code | BRRTS No. (if used) |
| DNR Reviewer | | Comments | |
| Fee Enclosed? <input type="radio"/> Yes <input type="radio"/> No | Fee Amount \$ | Date Additional Information Requested | Date Requested for DNR Response Letter |
| Date Approved | Final Determination | | |



Addendum to:

**Site Investigation and Response Action Plan
Enbridge Energy Superior Terminal (Facility-Wide)**

*Enbridge Superior Terminal
2800 East 21st Street
Superior, Wisconsin*

Prepared for
Enbridge Energy



August 2017

Addendum to Site Investigation and Response Action Plan Enbridge Energy Superior Terminal (Facility-Wide)

August 2017

Contents

| | | |
|-----|--|----|
| 1.0 | Introduction | 1 |
| 2.0 | Scope of Work | 3 |
| 2.1 | Additional Investigation Work for Addendum..... | 3 |
| 2.2 | Additional Clarifications to the SI/RAP..... | 3 |
| 3.0 | Investigation Results and Discussion..... | 5 |
| 3.1 | Geology | 5 |
| 3.2 | Monitoring Well Network..... | 5 |
| 3.3 | Groundwater Elevation, Flow Direction, and Hydraulic Gradient | 6 |
| 3.4 | Well Placement | 6 |
| 3.5 | Hydraulic Conductivity..... | 7 |
| 3.6 | Groundwater Flow Velocity..... | 7 |
| 3.7 | Potential Retardation and Degradation of Organic Compounds in Groundwater..... | 8 |
| 3.8 | Groundwater Monitoring..... | 9 |
| 4.0 | Clarifications to the SI/RAP..... | 10 |
| 5.0 | Summary | 12 |
| 6.0 | Conclusions | 13 |
| 7.0 | Submittal Certification | 14 |
| 8.0 | References | 15 |

List of Tables

| | |
|---------|--|
| Table 1 | Well Construction Data |
| Table 2 | Water Elevations in Wells (Water Level Data) |
| Table 3 | Vertical Hydraulic Gradients |
| Table 4 | Hydraulic Conductivity Values and Method Comparisons |
| Table 5 | Soil Properties |
| Table 6 | Groundwater Analytical Data |

List of Figures

| | |
|--------------|--|
| Figure 1 | Site Location Map |
| Figure 2 | Site Map and Well Locations |
| Figure 3A-3C | A-C Groundwater Contour Maps (shallow) |
| Figure 4A-4C | Groundwater Contour Maps (deep) |

List of Appendices

| | |
|------------|--|
| Appendix A | Facility Parcel Maps, Property Descriptions and Deeds |
| Appendix B | Boring Logs/Monitoring Well Forms/Development Forms (wells installed in 2015) |
| Appendix C | AQTESOLV reports for Slug Test Analyses |
| Appendix D | Laboratory Permeability Reports |
| Appendix E | Hazen Methods Calculations and Laboratory Grain Size Reports |
| Appendix F | Soil Property Lab Reports – Density, Moisture Content, Organic Matter |
| Appendix G | Groundwater Monitoring Program Sampling and Analysis Plan (Version 2.0) |
| Appendix H | Facility-Wide Comparison Document, Closure Pathway and GIS Registry Update Documents |

1.0 Introduction

This report is an Addendum to the *Site Investigation and Response Action Plan, Enbridge Energy Superior Terminal (Facility-Wide)* dated July 2014 (SI/RAP). A site location map is presented as Figure 1. The goal of the SI/RAP was to apply a facility-wide approach that establishes site hydrogeology as a performance standard for remedial actions at the Superior Terminal (Property) to address the groundwater pathway. This hydrogeology performance standard approach is being applied in accordance with NR 720, Wisconsin Administrative Code and will utilize the site monitoring well network for field verification of the performance standard. The SI/RAP also established Enbridge's plan to address the direct contact pathway and vapor risk pathway associated with residual soil contamination and outlines a framework for a site specific pathway to closure for each new and historical release discovered during terminal operations at the Property.

Additional investigation was proposed in the SI/RAP to further characterize hydrogeologic conditions to evaluate risks to potential receptors on a facility-wide basis. The proposed investigation activities provided in the SI/RAP were:

- Install additional monitoring wells to better monitor groundwater between release locations at the terminal and potential surface water receptors and water supply wells, and to evaluate both lateral and vertical flow directions. Proposed locations for additional deep piezometers and water table wells requested by the Wisconsin Department of Natural Resources (WDNR) were shown on Figure 15 of the SI/RAP.
- Determine hydraulic conductivity of the clay soil at the site by conducting aquifer tests (slug tests) to evaluate horizontal permeability and by conducting laboratory permeability tests to evaluate vertical permeability.
- Prepare groundwater flow maps and determine hydraulic gradients in both lateral and vertical directions.
- Conduct analyses of soil parameters to evaluate characteristics for potential retardation of hydrocarbons (organic matter, bulk density).
- Evaluate potential natural attenuation parameters in groundwater.
- Continue to conduct groundwater monitoring.

The proposed additional well locations were approved by the WDNR in a letter to Enbridge Energy dated September 19, 2014. This Addendum provides documentation of the additional investigation and provides clarifications to several assumptions and requests as outlined in the SI/RAP and the WDNR letter dated September 19, 2014. This Addendum should be used in conjunction with the SI/RAP and does not replace the SI/RAP.

In addition, the Property parcel information has been updated with descriptions and deed references. This updated parcel and deed information has been included in Appendix A of this update and will be used to establish the Geographic Information System (GIS) registry for the facility-wide site.

2.0 Scope of Work

Twenty-five perimeter monitoring wells were installed at the facility between 1999 and 2013. Eight of these wells were installed in 2013 including three water table monitoring wells (MW-19A, MW-20A and MW-21A) and five deep piezometers (MW-11B, MW-17B, MW-19B, MW-20B and MW-21B). Twenty of the 25 monitoring wells were present onsite during evaluation of geologic and hydrogeologic conditions for the SI/RAP. Boring logs and well constructions forms for monitoring wells 1-6, 10, 11B, 17, 17B, 18, 19A, 19B, 20A, 20B, 21A, and 21B were included in Appendix C of the SI/RAP.

2.1 Additional Investigation Work for Addendum

The additional investigation and documentation work presented in this Addendum consisted of the following:

- Installation of three additional water table monitoring wells (MW-24A, MW-25A, and MW-26) and six additional deep piezometers (MW-5B, MW-6B, MW-22B, MW-23B, MW-24B, and MW-25B) in 2015. Boring logs, monitoring well construction forms and development forms for these nine new wells are included in Appendix B of this report.
- Measurement of water levels during sampling activities to provide elevation data to determine hydraulic gradients and to prepare groundwater contour maps.
- Slug testing at six monitoring wells, laboratory permeability testing on eight soil samples collected from different borings at various stratigraphic depths, and grain size analysis on ten soil samples collected from different borings at various depths to determine hydraulic conductivity of the clay soil at the site.
- Collection and analysis of eight soil samples from different borings at varying depths for organic matter content and dry density to evaluate potential retardation of hydrocarbons
- Measurement of dissolved oxygen concentrations in groundwater during sampling to evaluate the potential for natural attenuation of hydrocarbons.
- Sampling of the monitoring well network semi-annually (since 2015) as requested by the WDNR in their SI/RAP approval letter dated September 19, 2014.
- Updating the *Groundwater Monitoring Program (GMP) Sampling and Analysis Plan (SAP)* with the new wells, sampling parameters and frequency. The updated GMP is included as Appendix F of this report.

2.2 Additional Clarifications to the SI/RAP

As the facility-wide approach to investigation and response action at the Superior Terminal has evolved, several definitions and reference to NR 700 code have been discussed, updated and amended. The following is a list of the items to be clarified as part of this Addendum.

-
- Negotiated agreement referenced in the SI/RAP (and WDNR approval and condition letter dated September 19, 2014) has been replaced with a Memorandum of Agreement (MOA). The MOA document has been drafted and is currently pending final approval by the WDNR and Enbridge.
 - Actions within the SI/RAP and under final MOA will be completed in accordance with Wis. Stat. ch. 292 and Wis. Admin. Code chs. NR700-754.
 - Enbridge will complete semi-annual groundwater sampling as requested by the WDNR with the understanding that once a baseline is established, the monitoring frequency will be negotiable.
 - The WDNR has requested soil headspace screening to be completed using a Photoionization Detector (PID) with an 11.7eV lamp. Since the compounds being targeted with confirmation soil sampling falls within the detection range of a 10.6 eV lamp, Enbridge is requesting permission to use either an 11.7 or 10.6 eV lamp for soil headspace screening.
 - As part of the SI/RAP and MOA process, the WDNR will establish a tracking system that will allow all eligible sites to be tracked under a single Bureau for Remediation and Redevelopment Tracking System (BRRTS) number for the facility and allow Enbridge to update the single facility-wide GIS registry with individual release information. This process will include a formal RAP approval and/or No Further Action (NFA) under NR 708.09 or NR 720.05(3) for each release site that enters the facility-wide GIS registry.

3.0 Investigation Results and Discussion

3.1 Geology

Surficial geologic conditions observed in borings for the wells installed in 2015 were consistent with those encountered in previous borings. The native soil encountered consisted of red-brown fat to lean clay. Fill material was encountered in several borings that also consisted of clay with trace amounts of wood or other debris. Very thin layers of sand or silt were encountered in a few borings. A two-foot thick layer of silt was present at the termination depth of boring MW-22B. The layers of sand and silt encountered in various borings were encountered at varying depths and did not correlate across borings. These layers appear to be present only in localized areas and are not laterally extensive across the site. Boring depths ranged from 17 to 59 feet below ground surface (bgs). The thickness of the clay layer at the site is expected to be over 120 feet thick as presented in the SI/RAP.

3.2 Monitoring Well Network

The monitoring network at the site consists of 28 monitoring wells. Locations of all monitoring wells at the site are shown on Figure 2. Well construction data including ground surface elevation, top of riser elevation, screen length and elevation of each well screen is presented on Table 1.

There are nine pairs of nested wells at the site which consist of a water table or shallow well with a 10-foot long well screen and a deep piezometer with a 5-foot long well screen. Nested wells at the site are MW-5/MW-5B, MW-6/MW-6B, MW-11/MW-11B, MW-17/MW-17B, MW-19A/MW-19B, MW-20A/MW-20B, MW-21A/MW-21B, MW-24A/MW-24B, and MW-25A/MW-25B.

Wells without a letter designation or with an "A" designation are shallow wells. Wells with a "B" designation are the deep piezometers. Two additional deep wells are present at the site (MW-22B, MW-23B) that are not part of a well nest. All other wells not listed here, and without a letter designation are considered shallow wells.

All shallow wells are constructed with 10-foot long screens. Shallow well screens are often submerged due to the shallow depth to water and all shallow screens are at, or within 16 feet of, the water table elevation. Depth to the bottom of the shallow wells ranges from approximately 15 to 28 feet (bgs). The elevations of the bottom of the screens of the shallow wells range from 628.3 to 653.5 feet mean sea level (MSL).

All deep wells are constructed with 5-foot long screens. Depth to the bottom of the deep wells ranges from approximately 41 to 59 feet bgs. The elevations of the bottom of the screens of the deep wells range from 591.2 to 607.2 feet MSL. The separation distance between screens in nested pairs of deep and shallow wells ranges from approximately 25 to 35 feet between the top of screen of the deep well to the bottom of the screen of the shallow well.

3.3 Groundwater Elevation, Flow Direction, and Hydraulic Gradient

Water level measurements and elevations in wells are presented on Table 2. Depth to water in shallow wells is commonly 2 to 4 feet bgs and ranges from less than one foot to approximately 7 feet bgs. Depth to water in deep wells is more variable but is commonly 5 to 10 feet bgs. However, depth to water is greater than 20 feet bgs in a few wells that are located along the south/southeast edge of the Property (MW-11B, MW-17B, and MW-20B) near the topography breaks to the Nemadji River or incised streams (Figure 2).

Contour maps of water elevations in shallow wells and deep wells have been prepared and presented in past Enbridge internal *Groundwater Monitoring Program* reports. The most recent contour data from November 2015, May 2016 and October 2016 is presented in this Addendum as Figure 3A to Figure 3C (shallow) and Figure 4A to Figure 4C (deep). The lateral flow direction across the Property is generally toward the east/northeast, toward Lake Superior, with localized flow directions toward the Nemadji River or smaller streams in areas where the surface water features are present in deeply incised channels. Due to the shallow depth to water in the shallow wells, the groundwater contours mimic the ground surface topography. Groundwater elevations in the deeper wells are also similar to ground surface topography.

The lateral groundwater gradients were measured from the groundwater contour maps prepared for data collected in November 2015, May 2016 and October 2016. The gradients were similar between the maps. The average lateral hydraulic gradient across the Property for the shallow well contour maps was approximately 0.003 to 0.004 feet per foot, and locally varies from approximately 0.0005 to 0.01 feet per foot. The average lateral hydraulic gradient across the Property for the deep well contour maps was approximately 0.004 to 0.005 feet per foot, and locally varies from approximately 0.002 to 0.01 feet per foot.

The vertical hydraulic gradients were calculated from the water elevations in nested shallow and deep wells. Vertical gradients and the parameters used in the calculations are presented on Table 3. There was a measureable difference in water elevations between the shallow and deep wells within nested well pairs. The difference in water elevations between wells in a well nest ranged from approximately 3.4 to 18.2 feet. Flow direction was consistently downward at each well nest. The calculated vertical gradients ranged from 0.1 to 0.5 feet per foot and is one to three orders of magnitude greater than the measured lateral hydraulic gradients.

3.4 Well Placement

Monitoring wells are present along facility boundaries downgradient of petroleum storage tanks. This includes areas where flow directions are, locally, directly toward the Nemadji River, or incised tributaries of the Nemadji River. The density of the well network, both laterally and vertically, was designed based on input from the WDNR and is expected to provide sufficient coverage to monitor background conditions and to evaluate potential migration of petroleum compounds in groundwater from the facility.

3.5 Hydraulic Conductivity

Hydraulic conductivity of the soil at the site was evaluated using three different methods:

- conducted slug tests at six wells,
- conducted laboratory permeability tests on eight soil samples
- calculated using the Hazen Method using grain size data from 10 samples

Hydraulic conductivity values determined by each of the methods are presented on Table 4. More than one method was occasionally conducted from similar depth intervals of a boring/well to provide for direct comparison of methods.

Slug tests were performed in three shallow and three deep wells. Slug test data were analyzed using AQTESOLV aquifer test analysis software. Test results are presented in Appendix C. Slug test results were very similar between all six wells (Table 4) with calculated hydraulic conductivities ranging from 1.1×10^{-8} to 2.7×10^{-8} centimeters per second (cm/sec).

Laboratory permeability testing was conducted on soil samples collected from varying depths ranging from 6 to 54.5 feet bgs. Soil samples were collected from eight borings during drilling with a thin-walled sampler (Shelby Tube) and submitted to a laboratory for permeability testing in accordance with ASTM D5084. Laboratory permeability reports are presented in Appendix D. Test results were similar for all soil samples (Table 4). The eight samples had hydraulic conductivity/permeability values ranging from 1.1×10^{-8} to 3.7×10^{-8} cm/sec.

Hazen Method calculations were conducted on soil grain size data collected from varying depths ranging from 10 to 58 feet bgs. Calculations, assumptions, and laboratory reports for grain size analyses are presented in Appendix E. The Hazen Method is considered to be applicable for sandy soil with an effective grain size between 0.1 and 3 millimeters (mm) (Fetter, 2001). The soil type at the site is clay with an effective grain size of 0.00001 to 0.00008 mm and it is not within the applicable range; however, the calculations are presented here as comparisons to slug test and laboratory permeability methods. Hydraulic conductivity values calculated using the Hazen Method ranged from 2×10^{-7} to 8×10^{-5} cm/sec.

Hydraulic conductivity values from slug tests and laboratory permeability tests are very similar. The clay soil appears to have a consistent hydraulic conductivity across varying depths. The Hazen Method calculation varied over three orders of magnitude and were consistently one to three orders of magnitude higher than slug test or laboratory test values. The Hazen Method calculation values for permeability are considered to be less accurate as the grain size of the soil at the site is well outside the range considered to be applicable for the method.

3.6 Groundwater Flow Velocity

The average linear velocity, or seepage velocity, of groundwater is calculated using Darcy's Law with the following equation:

$V = K \times (dh/dl)/n_e$, where

V = average linear velocity

K = hydraulic conductivity

dh/dl = hydraulic gradient

n_e = effective porosity

As described in previous sections, the hydraulic conductivity of soil at the site, as determined through slug tests and laboratory permeability tests, range from 1.1×10^{-8} to 3.7×10^{-8} cm/sec, the average lateral hydraulic gradient ranges from approximately 0.003 to 0.005, and the average vertical hydraulic gradient ranges from approximately 0.1 to 0.5. Porosity of clay soil ranges from approximately 33 to 60 percent and is greater than the porosity of coarse grained soil (Fetter, 2001).

The lateral average linear velocity of groundwater at the site ranges from approximately 5.5×10^{-11} to 3.1×10^{-10} cm/sec, or 0.00006 to 0.0003 feet per year based on the values presented above. The vertical linear velocity of groundwater ranges from approximately 1.8×10^{-9} to 5.6×10^{-8} cm/sec, or 0.002 to 0.06 feet per year.

3.7 Potential Retardation and Degradation of Organic Compounds in Groundwater

Groundwater velocities in the clay soil at the site are very slow, as described in the previous section. Therefore, contaminant migration with groundwater will also be slow. Transport of contaminants in groundwater can be further slowed due to adsorption of contaminants to soil and/or organic matter particles. Different contaminants are slowed at different rates based on specific properties of the compound, therefore, retardation rates will be compound specific and a blanket statement cannot be made regarding retardation of contaminants. However, clay soil generally has a higher affinity to adsorb compounds than granular soil (Fetter, 2001) and the soil at the site is predominantly clay. Soil properties that affect retardation are bulk density and moisture content. Soil samples were collected from select borings at varying depths and submitted for laboratory analyses of bulk density and moisture content. Laboratory reports are presented in Appendix F, and results are summarized on Table 5. Retardation equations also require a distribution coefficient for any specific compounds reaction with soil. Soil parameters are included in this document (Table 5) for future reference.

Retardation of organic compounds also occurs due to adsorption to organic matter in soil. Organic matter content was determined for soil samples collected from select boring at various depths across the site. Laboratory reports are presented in Appendix F, and results are summarized on Table 5. Organic matter was present in all analyzed samples. Organic matter content was generally 0.8 to 1.5 percent, although one sample collected from boring MW-24A at a depth of 4 to 6 feet bgs had an organic matter content of 13.8 percent, indicating surficial, or near surface, soil likely does contain more organic matter in localized portions of the site. Retardation equations also require a soil-water partition coefficient that is specific to different compounds. Soil parameters are included in this document (Table 5) for future reference. Separate calculations will need to be made for specific transport circumstances, although the presence of organic matter indicates retardation of organic compounds will occur.

Degradation of organic compounds can also occur during transport that will further reduce migration of organic compounds. The WDNR published an interim guidance document titled Naturally Occurring Biodegradation as a Remedial Action Option for Soil Contamination (PUBL-SW-515-95) which describes the degradation process. Petroleum related organic compounds are generally easily degraded under aerobic conditions, where oxygen is the terminal electron receptor. Aerobic biodegradation can occur where dissolved oxygen concentrations in soil, water or groundwater are greater than 0.2 milligrams per liter (mg/L), but, oxygen becomes rate-limiting at concentrations less than 1 mg/L. Dissolved oxygen concentrations in groundwater at the Property have been measured in the field during past well sampling activities, and can be used to evaluate the potential for aerobic biodegradation of organic compounds. Dissolved oxygen concentrations have ranged from approximately 0.5 to greater than 5 mg/L, and generally range between 1 and 3 mg/L. Dissolved oxygen data has been presented in previous groundwater monitoring reports prepared for the site. Petroleum organic compounds were not present in samples from the wells (Table 6); however, the dissolved oxygen concentrations indicate that aerobic biodegradation of petroleum organic compounds, if present, will occur.

3.8 Groundwater Monitoring

Groundwater monitoring has been conducted on an annual to semi-annual basis. Samples have been collected from all wells currently present at the site in November 2015, May 2016, and October 2016, and some wells have been sampled intermittently from 1999 to 2007, annually since 2008, and semi-annually since 2015. A summary of analytical results for samples collected from the monitoring wells is presented on Table 6. Future sampling will be conducted on a semi-annual basis in accordance with the WDNR request in their letter dated September 19, 2014 and as incorporated in the updated *GMP SAP* presented in Appendix G. It is anticipated that monitoring frequency will change back to annual after 3 to 5 years of semi-annual monitoring has been shown to adequately establish an appropriate amount of baseline data and demonstration that the hydrogeologic performance standard is appropriate.

4.0 Clarifications to the SI/RAP

As the facility-wide approach to investigation and response action at the Superior Terminal has evolved, several definitions and reference to NR 700 code have been discussed, updated and amended. The summary provides a clarifications and updates to the SI/RAP.

- The SI/RAP conditional approval letter dated September 19, 2014 references the execution and implementation of a negotiated agreement between Enbridge and the Department. Subsequent conversations and discussions have resulted in the determination that an MOA would be a more appropriate method for establishing an agreement between the two parties. It is the understanding of Enbridge that the MOA will not be contingent upon a negotiated agreement as defined by Wis. Sta. 292.11(7)(d), nor as an “environmental agreement” under Wis. Adm. Cod NR 728.07.
- Enbridge has agreed to complete semi-annual groundwater sampling as requested by the WDNR with the understanding that once a baseline is established, the monitoring frequency will be renegotiable.
- The WDNR has requested soil headspace screening be completed using a Photoionization Detector (PID) with an 11.7eV lamp. However, the majority of the petroleum compounds to be targeted as part of this SI/RAP fall within the range of the Ionization Potential (IP) of a 10.6 eV lamp (see table below).

| Compound | IP (eV) |
|--------------------------------|-------------|
| Benzene | 9.25 |
| Ethylbenzene | 8.77 |
| Toluene | 8.82 |
| Xylenes | 8.56 / 8.44 |
| Trimethylbenzene (1,3,5 -) | 8.41 |
| Methyl tert-butyl ether (MTBE) | 9.24 |
| Napthalene | 8.13 |

eV = electronvolt

Source: CRS Handbook of Chemistry and Physics

Based on our review of published petroleum compound IP values for several additional volatile organic compounds (VOCs) and polyaromatic hydrocarbons (PAHs), we believe there are very few petroleum compounds that fall outside the 10.6 eV range. Since the petroleum compounds being targeted for confirmation soil sampling fall within the detection range of a 10.6 eV lamp, Enbridge is requesting permission to use either a 10.6 eV or 11.7 eV lamp for soil headspace screening.

-
- The SI/RAP conditional approval letter dated September 19, 2014 references actions to be taken under this SI/RAP will follow Wis. Adm. Code NR 708 actions. It is the understanding of Enbridge that NR 708 will be one of the codes that will guide actions under this SI/RAP, but additional actions may also fall under Wis. Stat. ch. 292 and Wis. Admin. Code chs. NR700-754. It is the intent of this SI/RAP and Enbridge to follow the applicable codes and that actions will not be solely limited to NR 708. The pre-approved remedy approach outlined in Table 4 of the SI/RAP (Barr, 2014) has been updated to reflect the portion of the code that will apply at each stage and is included as Appendix H. In addition to these updates, we have provided a comparison document that describes how release sites at the Property would be handled with the SI/RAP in place versus without the facility-wide approach. This comparison document has also been included in Appendix H.
 - As part of the SI/RAP and MOA process, Enbridge is requesting that the WDNR establish a tracking system that will allow all eligible sites to be tracked under a single BRRTs number for the facility and allow Enbridge to update the single facility-wide GIS registry with individual release information. It should be clarified that this SI/RAP established the pre-approval need for a remedy as required by NR 724 and that this process will include a formal RAP approval and/or No Further Action (NFA) correspondence from the WDNR for each release site that enters the facility-wide GIS registry.
 - As part of the SI/RAP implementation and prior to final signature of the MOA, a Regulatory Notification, Classification and Pathway to Closure flow chart will need to be prepared and approved. The purpose of the flow chart is to outline the process by which the RAP approval, NFA and GIS registry update under NR 708.09 or NR 720.05(3) will be completed to avoid any confusion regarding the intent of this process by future Enbridge or WDNR staff. Based on input from the WDNR, a process flow chart has been developed for this purpose and is included in Appendix H for review and approval.
 - Prior to final MOA approval, a process for updating the Facility-Wide GIS Registry that outlines the required level of detail expected for each update needs to be established. Based on input from the WDNR, a *GIS Registry Update Checklist* has been developed for WDNR review and approval (Appendix H). The *GIS Registry Update Checklist* outlines the information required by the WDNR for updating the Facility-Wide GIS Registry with information for each release response, as needed. Appendix H also includes an example GIS site update package for reference.

5.0 Summary

Additional investigation was conducted at the site in 2015 as proposed in the SI/RAP and requested by the WDNR in their SI/RAP approval letter dated September 19, 2014. Site-specific hydrogeologic conditions were further characterized to establish site hydrogeology as a performance standard for remedial actions at the Property to address the groundwater pathway. This hydrogeology performance standard is being applied in accordance with NR 720.19(2), Wisconsin Administrative Code and will utilize the site monitoring well network for field verification of the performance standard.

Enbridge installed three water table monitoring wells (MW-24A, MW-25A, and MW-26) and six deep piezometers (MW-5B, MW-6B, MW-22B, MW-23B, MW-24B, and MW-25B) in 2015 at locations presented in a work plan approved by the WDNR in their September 19, 2014 conditional approval letter. Soil and geologic conditions encountered in borings for the wells were consistent with site conditions of the site conceptual model. The surficial geology consists dominantly of lean to fat clay with occasional thin and discontinuous layers of silt and clay to depths greater than 60 feet bgs. The thickness of the surficial clay is expected to be at least 120 feet, based on deep boring results presented in the SI/RAP.

The hydraulic conductivity of the clay soil as determined by laboratory permeability tests and slug test at monitoring wells is low and was consistently found to be in the range of 1.1×10^{-8} to 3.7×10^{-8} cm/sec. The vertical hydraulic gradient in the clay soil was greater than the lateral hydraulic gradient. The low hydraulic conductivity of the soil also leads to low groundwater velocities. The lateral linear velocity of groundwater at the site ranges from approximately 0.00003 to 0.0002 feet per year. The vertical linear velocity of groundwater ranges from approximately 0.001 to 0.02 feet per year.

Contaminant transport velocities will also be low, due to low groundwater velocities. Additionally, soil properties and dissolved oxygen concentrations in groundwater appear to be adequate to provide additional retardation of migration of petroleum organic compounds and/or provide for natural biodegradation of organic compounds.

Monitoring wells are present downgradient of the facility along the facility boundaries in the lateral direction and deep wells are present in the vertical downgradient direction. The number and location of wells appears sufficient to provide effective monitoring to evaluate potential migration of petroleum compounds in groundwater from the facility. Monitoring of the existing network will provide for field verification of the performance standard for the groundwater pathway in accordance with NR 720.08, Wisconsin Administrative Code.

Additional clarifications to the SI/RAP and MOA process have been identified and documented as part of this Addendum. Upon approval and agreement by the WDNR, the clarifications will be incorporated into the final terms of the MOA document by reference to this document.

6.0 Conclusions

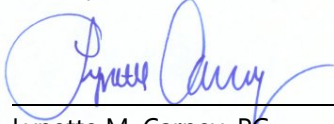
Enbridge is requesting WDNR approval of this Addendum to the SI/RAP. The work completed and documented in this Addendum address the items outlined in the conditional approval letter and provide further clarification to the SI/RAP facility-wide process. Enbridge specifically requests WDNR review and approval of the following:

- The MOA is not intended to be construed as a “negotiated agreement” pursuant to Wis. Stat. 292.11(7) (d), nor as an “environmental agreement” under Wis. Adm. Cod NR 728.07.
- The additional investigation outlined in Section 1.5.4 of the SI/RAP has been completed and the documentation provided in this Addendum support the use of a facility-wide hydrogeologic performance standard;
- Enbridge has agreed to complete semi-annual groundwater sampling as requested by the WDNR with the understanding that once a baseline is established (3 to 5 years), the monitoring frequency can be renegotiated;
- The additional groundwater work and *GMP SAP* update requested in the conditional approval letter have been addressed;
- The WDNR will not require the use of an 11.7 eV lamp PID for soil screening;
- The work completed under this SI/RAP will fall under Wis. Stat. ch. 292 and Wis. Adm. Code chs. NR 700-754;
- A comparison document has been prepared describing how release sites are handled with vs. without the facility-wide approach. This document is presented in Appendix H;
- Prior to final MOA approval the WDNR will establish a tracking system that will allow all eligible sites to be tracked under a single BRRTs number for the facility;
- Prior to final MOA approval, the WDNR will approve the attached flow chart clarifying the process under NR 708.09 or NR 720.05(3) for remedy and NFA approval and how this will be determined for each individual release.
- Prior to final MOA approval, the WDNR will approve the GIS Registry Update Checklist outlining what information will be required for updating each release on the site facility-wide GIS registry.

Following WDNR review and approval, the SI/RAP Addendum and updated SI/RAP approval letter will be incorporated by reference into the final MOA.

7.0 Submittal Certification

"I, Lynette M. Carney, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03(1), Wisconsin Administrative Code, and that to the best of my knowledge, all of the information contained in this document is correct, and the document was prepared in compliance with all applicable requirements in Chapters NR 700 to 726, Wisconsin Administrative Code."



Lynette M. Carney, PG
Senior Geologist

8/14/2017

Date

1138

Reg No.

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



Jon M Aspie, PG
Senior Geologist

8/14/2017

Date

831

Reg No.

8.0 References

Barr Engineering Co. 2014, *Site Investigation and Response Action Plan Enbridge Energy Superior Terminal (Facility-Wide)*. Prepared for Enbridge Energy, July 2014.

Fetter, C.W. 2001. *Applied Hydrogeology, 4th Edition*. Published by Prentice-Hall, Inc. 2001, 1994

Haynes, William, M., *CRC Handbook of Chemistry and Physics; a Ready-Reference Book*, CRC, Inc. Boca Raton, FL, 94th ed, October 2013.

WDNR 2004. *RR-515 Naturally Occurring Biodegradation as a Remedial Action Option for Soil Contamination, Interim Guidance (Revised)*. Wisconsin Department of Natural Resources Bureau for Remediation and Redevelopment, August 1994, Updated September 2004.

Tables

Table 1
Well Construction Data
Enbridge Superior Terminal

| Well ID | Date Installed | TOC Elevation (feet, NGVD) | Ground Surface Elevation | Depth to Bottom (feet, from TOC) | Screen Length (feet) | Screened Interval Elevation (Feet NGVD) | |
|---------------|-------------------|-------------------------------|-----------------------------|--|-------------------------|--|--------|
| MW-1 | 10/13/1999 | 665.22 | 663.46 | 22.57 | 10 | 642.65 | 652.65 |
| MW-2 | 10/15/1999 | 659.37 | 657.06 | 27.26 | 10 | 632.11 | 642.11 |
| MW-5 | 10/15/1999 | 645.37 | 642.85 | 27.06 | 10 | 618.31 | 628.31 |
| MW-5B | 11/3/2015 | 644.20 | 640.89 [±] | 57.78 | 5 | 586.42 | 591.42 |
| MW-6 | 11/10/1999 | 648.01 | 645.79 | 26.76 | 10 | 621.25 | 631.25 |
| MW-6B | 11/27/2015 | 646.77 | 644.23 [±] | 58.1 | 5 | 588.67 | 593.67 |
| MW-10 | 2010 | 662.01 | 660.11 | 30.5 | 10 | 631.51 | 641.51 |
| MW-11 | 2010 | 656.33 | 654.06 | 18.27 | 10 | 638.06 | 648.06 |
| MW-11B | 11/19/2013 | 655.91 | 653.9 | 57.5 | 5 | 598.41 | 603.41 |
| MW-12 | 2010 | 649.46 | 645.36 | 22.57 | 10 | 626.89 | 636.89 |
| MW-14 | 2010 | 661.15 | 659.27 | 18.42 | 10 | 642.73 | 652.73 |
| MW-15 | 2010 | 660.88 | 659.1 | 17.39 | 10 | 643.49 | 653.49 |
| MW-17 | 9/25/2012 | 643.19 | 640.7 | 17.44 | 10 | 625.75 | 635.75 |
| MW-17B | 11/18/2013 | 643.27 | 640.9 | 44.8 | 3 | 598.47 | 601.47 |
| MW-18 | 9/25/2012 | 644.23 | 641.8 | 17.2 | 10 | 627.03 | 637.03 |
| MW-19A | 11/25/2013 | 658.12 | 656.2 | 26 | 10 | 632.12 | 642.12 |
| MW-19B | 11/22/2013 | 658.22 | 656.2 | 59.8 | 5 | 598.42 | 603.42 |
| MW-20A | 11/21/2013 | 651.04 | 649 | 24 | 10 | 627.04 | 637.04 |
| MW-20B | 11/21/2013 | 651.34 | 649.4 | 60.1 | 5 | 591.24 | 596.24 |
| MW-21A | 11/20/2013 | 648.84 | 646.9 | 24.4 | 10 | 624.44 | 634.44 |
| MW-21B | 11/20/2013 | 648.83 | 646.7 | 60.7 | 5 | 588.13 | 593.13 |
| MW-22B | 10/21/2015 | 658.35 | 655.49 [±] | 57.55 | 5 | 600.8 | 605.8 |
| MW-23B | 10/20/2015 | 646.22 | 643.51 [±] | 57.11 | 5 | 589.11 | 594.11 |
| MW-24A | 10/22/2015 | 651.69 | 649.09 [±] | 18.85 | 10 | 632.84 | 642.84 |
| MW-24B | 10/26/2015 | 651.45 | 648.86 [±] | 49.21 | 5 | 602.24 | 607.24 |
| MW-25A | 10/28/2015 | 638.31 | 635.91 [±] | 19 | 10 | 619.31 | 629.31 |
| MW-25B | 10/29/2015 | 638.52 | 635.85 [±] | 49.25 | 5 | 589.27 | 594.27 |
| MW-26 | 10/28/2015 | 646.17 | 643.44 [±] | 18.7 | 10 | 627.47 | 637.47 |

Notes:

NGVD = National Geodetic Vertical Datum

TOC = Top of Casing

BOLD = Feet in NAVD88 (North America Vertical Datum)

**Table 2
Groundwater Elevation Data
Enbridge Superior Terminal**

| Location | Date | TOC Elevation (feet NGVD) | Grade Elevation (feet NGVD) | Depth to Groundwater (feet) | Groundwater Elevation (feet NGVD) |
|-----------------|-------------|--------------------------------------|--|--|--|
| MW-1 | 20-Dec-99 | 665.19 | 663.15 | 6.35 | 658.84 |
| | 14-Jan-00 | | | 6.91 | 658.28 |
| | 16-Feb-00 | | | 7.26 | 657.93 |
| | 1-Dec-03 | | | 6.94 | 658.25 |
| | 14-Oct-04 | | | 5.70 | 659.49 |
| | 15-Sep-08 | | | 9.43 | 655.76 |
| | 1-Oct-09 | | | 6.90 | 658.29 |
| | 20-Sep-10 | 665.22 | 663.46 | 5.61 | 659.61 |
| | 20-Sep-11 | | | 6.23 | 658.99 |
| | 26-Sep-12 | | | 7.33 | 657.89 |
| | 20-Nov-13 | | | 5.81 | 659.41 |
| | 27-Aug-14 | | | 5.67 | 659.55 |
| | 10-Nov-15 | | | 5.47 | 659.75 |
| | 16-May-16 | | | 5.63 | 659.59 |
| | 3-Oct-16 | | | 6.59 | 658.63 |
| | | | | | |
| MW-2 | 20-Dec-99 | 659.42 | 656.96 | 4.17 | 655.25 |
| | 14-Jan-00 | | | 6.71 | 652.71 |
| | 16-Feb-00 | | | 7.49 | 651.93 |
| | 1-Dec-03 | | | 4.91 | 654.51 |
| | 14-Oct-04 | | | 4.81 | 654.61 |
| | 16-Oct-08 | | | 4.04 | 655.38 |
| | 1-Oct-09 | | | 7.25 | 652.17 |
| | 17-Sep-10 | 659.37 | 657.06 | 4.81 | 654.56 |
| | 20-Sep-11 | | | 6.74 | 652.63 |
| | 26-Sep-12 | | | 8.23 | 651.14 |
| | 20-Nov-13 | | | 5.31 | 654.06 |
| | 27-Aug-14 | | | 4.11 | 655.26 |
| | 10-Nov-15 | | | 3.30 | 656.07 |
| | 16-May-16 | | | 4.09 | 655.28 |
| | 3-Oct-16 | | | 5.70 | 653.67 |
| | | | | | |
| MW-5 | 20-Dec-99 | 645.43 | 642.85 | 3.92 | 641.51 |
| | 14-Jan-00 | | | 6.33 | 639.10 |
| | 16-Feb-00 | | | 6.82 | 638.61 |
| | 1-Dec-03 | | | 7.26 | 638.17 |
| | 14-Oct-04 | | | 5.27 | 640.16 |
| | 15-Sep-08 | | | 6.32 | 639.11 |
| | 1-Oct-09 | | | 7.50 | 637.93 |
| | 17-Sep-10 | 645.37 | 642.85 | 6.26 | 639.11 |
| | 20-Sep-11 | | | 7.55 | 637.82 |
| | 26-Sep-12 | | | 9.75 | 635.62 |
| | 20-Nov-13 | | | 4.13 | 641.24 |
| | 29-Aug-14 | | | 3.68 | 641.69 |
| | 12-Nov-15 | | | 4.14 | 641.23 |
| | 18-May-16 | | | 3.38 | 641.99 |
| | 4-Oct-16 | | | 3.69 | 641.68 |
| | | | | | |
| MW-5B | 13-Nov-15 | 644.199 [‡] | 640.89 [‡] | 56.33* | 587.87 |
| | 18-May-16 | | | 8.12 | 636.08 |
| | 4-Oct-16 | | | 9.14 | 635.06 |
| | | | | | |

Table 2
Groundwater Elevation Data
Enbridge Superior Terminal

| Location | Date | TOC Elevation (feet NGVD) | Grade Elevation (feet NGVD) | Depth to Groundwater (feet) | Groundwater Elevation (feet NGVD) |
|--------------------------------|-----------|------------------------------|--------------------------------|-----------------------------------|--------------------------------------|
| MW-6 | 20-Dec-99 | 648.03 | 646.07 | 21.16 | 626.87 |
| | 14-Jan-00 | | | 18.63 | 629.40 |
| | 16-Feb-00 | | | 14.12 | 633.91 |
| | 1-Dec-03 | | | 8.63 | 639.40 |
| | 14-Oct-04 | | | 8.19 | 639.84 |
| | 15-Sep-08 | | | 7.51 | 640.52 |
| | 1-Oct-09 | | | 8.98 | 639.05 |
| | 17-Sep-10 | 648.01 | 645.79 | 7.65 | 640.36 |
| | 20-Sep-11 | | | 7.94 | 640.07 |
| | 26-Sep-12 | | | 8.40 | 639.61 |
| | 20-Nov-13 | | | 7.42 | 640.59 |
| | 29-Aug-14 | | | 7.40 | 640.61 |
| | 11-Nov-15 | | | 7.49 | 640.52 |
| | 16-May-16 | | | 7.60 | 640.41 |
| | 6-Oct-16 | | | 8.60 | 639.41 |
| MW-6B | 12-Nov-15 | 646.77 [†] | 644.23 [†] | 51.56* | 595.21 |
| | 17-May-16 | | | 9.92 | 636.85 |
| | 6-Oct-16 | | | 10.80 | 635.97 |
| MW-10 | 20-Sep-10 | 662.01 | 660.11 | 6.10 | 655.91 |
| | 20-Sep-11 | | | 6.52 | 655.49 |
| | 26-Sep-12 | | | 6.86 | 655.15 |
| | 21-Nov-13 | | | 5.79 | 656.22 |
| | 29-Aug-14 | | | 4.28 | 657.73 |
| | 11-Nov-15 | | | 5.81 | 656.20 |
| | 17-May-16 | | | 6.10 | 655.91 |
| 6-Oct-16 | | | 5.43 | 656.58 | |
| MW-11 | 20-Sep-10 | 656.33 | 654.06 | 8.31 | 648.02 |
| | 20-Sep-11 | | | 8.70 | 647.63 |
| | 26-Sep-12 | | | 8.27 | 648.06 |
| | 21-Nov-13 | | | 8.77 | 647.56 |
| | 28-Aug-14 | | | 7.86 | 648.47 |
| | 11-Nov-15 | | | 7.88 | 648.45 |
| | 17-May-16 | | | 8.22 | 648.11 |
| 6-Oct-16 | | | 8.70 | 647.63 | |
| MW-11B | 5-Dec-13 | 655.91 | 653.86 | 54.71* | 601.20 |
| | 28-Aug-14 | | | 22.66 | 633.25 |
| | 11-Nov-15 | | | 21.81 | 634.10 |
| | 17-May-16 | | | 24.28 | 631.63 |
| | 6-Oct-16 | | | 26.50 | 629.41 |
| MW-12 | 20-Sep-10 | 649.46 | 645.36 | 6.65 | 642.81 |
| | 20-Sep-11 | | | 7.35 | 642.11 |
| | 26-Sep-12 | | | 9.81 | 639.65 |
| | 21-Nov-13 | | | 7.81 | 641.65 |
| | 29-Aug-14 | | | 8.23 | 641.23 |
| | 10-Nov-15 | | | 4.90 | 644.56 |
| | 19-May-16 | | | 4.98 | 644.48 |
| | 4-Oct-16 | | | 5.05 | 644.41 |
| MW-13 ⁺ | 20-Sep-10 | 647.51 | 644.77 | 3.92 | 643.59 |
| | 20-Sep-11 | | | 5.08 | 642.43 |
| | 26-Sep-12 | | | 6.72 | 640.79 |
| Well Sealed in May 2013 | | | | | |

Table 2
Groundwater Elevation Data
Enbridge Superior Terminal

| Location | Date | TOC Elevation (feet NGVD) | Grade Elevation (feet NGVD) | Depth to Groundwater (feet) | Groundwater Elevation (feet NGVD) |
|----------|-----------|------------------------------|--------------------------------|-----------------------------------|--------------------------------------|
| MW-14 | 20-Sep-10 | 661.15 | 659.27 | 5.57 | 655.58 |
| | 20-Sep-11 | | | 6.32 | 654.83 |
| | 26-Sep-12 | | | 6.76 | 654.39 |
| | 20-Nov-13 | | | 5.52 | 655.63 |
| | 29-Aug-14 | | | 4.67 | 656.48 |
| | 10-Nov-15 | | | 5.00 | 656.15 |
| | 16-May-16 | | | 5.77 | 655.38 |
| | 5-Oct-16 | | | 6.50 | 654.65 |
| MW-15 | 20-Sep-10 | 660.88 | 659.1 | 3.50 | 657.38 |
| | 20-Sep-11 | | | 5.03 | 655.85 |
| | 26-Sep-12 | | | 6.53 | 654.35 |
| | 20-Nov-13 | | | 4.64 | 656.24 |
| | 29-Aug-14 | | | 3.38 | 657.50 |
| | 10-Nov-15 | | | 3.93 | 656.95 |
| | 16-May-16 | | | 3.86 | 657.02 |
| | 5-Oct-16 | | | 5.35 | 655.53 |
| MW-17 | 2-Nov-12 | 643.19 | 640.7 | 15.99* | 627.20 |
| | 20-Nov-13 | | | 5.62 | 637.57 |
| | 28-Aug-14 | | | 5.40 | 637.79 |
| | 12-Nov-15 | | | 4.80 | 638.39 |
| | 18-May-16 | | | 5.30 | 637.89 |
| | 4-Oct-16 | | | 6.15 | 637.04 |
| MW-17B | 17-Dec-13 | 643.27 | 640.95 | 44.25* | 599.02 |
| | 28-Aug-14 | | | 18.41 | 624.86 |
| | 12-Nov-15 | | | 15.41 | 627.86 |
| | 18-May-16 | | | 19.07 | 624.20 |
| | 4-Oct-16 | | | 21.81 | 621.46 |
| MW-18 | 2-Nov-12 | 644.23 | 641.8 | 13.83* | 630.40 |
| | 20-Nov-13 | | | 5.95 | 638.28 |
| | 29-Aug-14 | | | 5.31 | 638.92 |
| | 12-Nov-15 | | | 5.24 | 638.99 |
| | 18-May-16 | | | 6.10 | 638.13 |
| | 7-Oct-16 | | | 5.66 | 638.57 |
| MW-19A | 5-Dec-13 | 658.12 | 656.15 | 17.81* | 640.31 |
| | 27-Aug-14 | | | 3.92 | 654.20 |
| | 10-Nov-15 | | | 3.41 | 654.71 |
| | 16-May-16 | | | 3.40 | 654.72 |
| | 3-Oct-16 | | | 3.59 | 654.53 |
| MW-19B | 5-Dec-13 | 658.22 | 656.19 | 53.90* | 604.32 |
| | 27-Aug-14 | | | 13.42 | 644.80 |
| | 10-Nov-15 | | | 13.37 | 644.85 |
| | 17-May-16 | | | 13.31 | 644.91 |
| | 3-Oct-16 | | | 13.74 | 644.48 |
| MW-20A | 17-Dec-13 | 651.04 | 648.98 | 21.48* | 629.56 |
| | 28-Aug-14 | | | 6.34 | 644.70 |
| | 9-Nov-15 | | | 5.84 | 645.20 |
| | 17-May-16 | | | 5.08 | 645.96 |
| | 5-Oct-16 | | | 7.50 | 643.54 |

**Table 2
Groundwater Elevation Data
Enbridge Superior Terminal**

| Location | Date | TOC Elevation (feet NGVD) | Grade Elevation (feet NGVD) | Depth to Groundwater (feet) | Groundwater Elevation (feet NGVD) |
|-----------------|-------------|--------------------------------------|--|--|--|
| MW-20B | 26-Nov-13 | 651.34 | 649.36 | 56.40* | 594.94 |
| | 28-Aug-14 | | | 20.47 | 630.87 |
| | 9-Nov-15 | | | 18.97 | 632.37 |
| | 17-May-16 | | | 19.24 | 632.10 |
| | 5-Oct-16 | | | 19.89 | 631.45 |
| MW-21A | 17-Dec-13 | 648.84 | 646.86 | 18.04* | 630.80 |
| | 27-Aug-14 | | | 5.39 | 643.45 |
| | 11-Nov-15 | | | 4.61 | 644.23 |
| | 17-May-16 | | | 4.10 | 644.74 |
| | 6-Oct-16 | | | 6.25 | 642.59 |
| MW-21B | 17-Dec-13 | 648.83 | 646.68 | 38.62* | 608.06 |
| | 27-Aug-14 | | | 18.98 | 629.85 |
| | 11-Nov-15 | | | 18.78 | 630.05 |
| | 17-May-16 | | | 18.50 | 630.33 |
| | 6-Oct-16 | | | 19.38 | 629.45 |
| MW-22B | 13-Nov-15 | 658.35 [‡] | 655.49 [‡] | 12.23* | 646.12 |
| | 17-May-16 | | | 16.11 | 642.24 |
| | 4-Oct-16 | | | 16.55 | 641.80 |
| MW-23B | 16-Nov-15 | 646.22 [‡] | 643.51 [‡] | 50.51* | 595.71 |
| | 18-May-16 | | | 9.25 | 636.97 |
| | 4-Oct-16 | | | 14.07 | 632.15 |
| MW-24A | 13-Nov-15 | 651.69 [‡] | 649.09 [‡] | 16.3* | 635.39 |
| | 18-May-16 | | | 4.20 | 647.49 |
| | 5-Oct-16 | | | 3.69 | 648.00 |
| MW-24B | 13-Nov-15 | 651.45 [‡] | 648.86 [‡] | 21.33* | 630.12 |
| | 18-May-16 | | | 15.52 | 635.93 |
| | 5-Oct-16 | | | 15.83 | 635.62 |
| MW-25A | 13-Nov-15 | 638.31 [‡] | 635.91 [‡] | 2.71* | 635.60 |
| | 19-May-16 | | | 3.05 | 635.26 |
| | 3-Oct-16 | | | 3.68 | 634.63 |
| MW-25B | 13-Nov-15 | 638.52 [‡] | 635.85 [‡] | 15.52* | 623.00 |
| | 19-May-16 | | | 7.40 | 631.12 |
| | 3-Oct-16 | | | 8.38 | 630.14 |
| MW-26 | 13-Nov-15 | 646.17 [‡] | 643.44 [‡] | 17.5* | 628.67 |
| | 28-May-16 | | | 7.79 | 638.38 |
| | 4-Oct-16 | | | 6.46 | 639.71 |

Notes:

NGVD = National Geodetic Vertical Datum

TOC = Top of Casing

* = New well construction. Steady state depth to groundwater not established.

+ = Well no longer part of the Annual Groundwater Monitoring Program

‡ = Feet in NAVD88 (North America Vertical Datum)

Table 3
Vertical Gradient at Well Nest Locations
Enbridge Superior Terminal

| Location | Date | Shallow Well Water Elevation (ft/MSL) | Deep Well Water Elevation (ft/MSL) | Change in Water Elevation (dh) | Well Midscreen Elevation (ft/MSL) | Deep Well Midscreen Elevation (ft/MSL) | Distance between midscreen points (dl) | Vertical Gradient dh/dl (feet/feet) |
|--------------------------|-------------------|---------------------------------------|------------------------------------|--------------------------------|-----------------------------------|--|--|-------------------------------------|
| MW-5 and MW-5B | 05/18/2016 | 641.99 | 636.08 | -5.91 | 623.52 | 588.92 | 34.60 | -0.17 |
| | 10/04/2016 | 641.68 | 635.06 | -6.62 | 623.52 | 588.92 | 34.60 | -0.19 |
| MW-6 and MW-6B | 05/16/2016 | 640.41 | 636.85 | -3.56 | 625.51 | 591.17 | 34.34 | -0.10 |
| | 10/06/2016 | 639.41 | 635.97 | -3.44 | 625.51 | 591.17 | 34.34 | -0.10 |
| MW-11 and MW-11B | 08/28/2014 | 648.47 | 633.25 | -15.22 | 643.27 | 601.01 | 42.26 | -0.36 |
| | 11/11/2015 | 648.45 | 634.10 | -14.35 | 643.26 | 601.01 | 42.25 | -0.34 |
| | 05/17/2006 | 648.11 | 631.63 | -16.48 | 643.09 | 601.01 | 42.08 | -0.39 |
| | 10/06/2016 | 647.63 | 629.41 | -18.22 | 642.85 | 601.01 | 41.84 | -0.44 |
| MW-17 and MW-17B | 08/28/2014 | 637.79 | 624.86 | -12.93 | 630.92 | 601.00 | 29.92 | -0.43 |
| | 11/12/2015 | 638.39 | 627.86 | -10.53 | 630.92 | 601.00 | 29.92 | -0.35 |
| | 05/18/2016 | 637.89 | 624.20 | -13.69 | 630.92 | 601.00 | 29.92 | -0.46 |
| | 10/04/2016 | 637.04 | 621.46 | -15.58 | 630.92 | 601.00 | 29.92 | -0.52 |
| MW-19A and MW-19B | 08/27/2014 | 654.20 | 644.80 | -9.40 | 639.13 | 600.92 | 38.21 | -0.25 |
| | 11/10/2015 | 657.71 | 644.85 | -12.86 | 639.13 | 600.92 | 38.21 | -0.34 |
| | 05/16/2016 | 654.72 | 644.91 | -9.81 | 639.13 | 600.92 | 38.21 | -0.26 |
| | 10/03/2016 | 654.53 | 644.48 | -10.05 | 639.13 | 600.92 | 38.21 | -0.26 |
| MW-20A and MW-20B | 08/28/2014 | 644.70 | 630.87 | -13.83 | 632.04 | 593.84 | 38.20 | -0.36 |
| | 11/09/2015 | 645.20 | 632.37 | -12.83 | 632.04 | 593.84 | 38.20 | -0.34 |
| | 05/17/2016 | 645.96 | 632.10 | -13.86 | 632.04 | 593.84 | 38.20 | -0.36 |
| | 10/05/2016 | 643.54 | 631.45 | -12.09 | 632.04 | 593.84 | 38.20 | -0.32 |
| MW-21A and MW-21B | 08/27/2014 | 643.45 | 629.85 | -13.60 | 630.47 | 590.33 | 40.14 | -0.34 |
| | 11/11/2015 | 644.23 | 630.05 | -14.18 | 630.47 | 590.33 | 40.14 | -0.35 |
| | 05/17/2016 | 644.74 | 629.83 | -14.91 | 630.47 | 590.33 | 40.14 | -0.37 |
| | 10/06/2016 | 642.59 | 629.45 | -13.14 | 630.47 | 590.33 | 40.14 | -0.33 |
| MW-24A and MW-24B | 05/18/2016 | 647.49 | 635.93 | -11.56 | 637.84 | 604.74 | 33.10 | -0.35 |
| | 10/05/2016 | 648.00 | 635.62 | -12.38 | 637.84 | 604.74 | 33.10 | -0.37 |
| MW-25A and MW-25B | 05/19/2016 | 635.26 | 631.12 | -4.14 | 624.31 | 591.77 | 32.54 | -0.13 |
| | 10/03/2016 | 634.63 | 630.14 | -4.49 | 624.31 | 591.77 | 32.54 | -0.14 |

Notes: dtb measured by TTB, May 2016. Some dtbs appear to be estimated, which may affect the screen elevation calculations.
 Assume 10' screen length for MW-5, 6, 11, & 17 - no documentation found
 TOC determined using a mix of NAVD and NGVD - may need adjustment
 TOC, dtw, and dtb manually entered by IGM 6/8/16

Table 4
Hydraulic Conductivity Values and Method Comparison
Enbridge Superior Terminal

| Well/ Boring | Sample Group | Slug Test Data | | Laboratory Permeability Data | | Hazen Method from Grain Size | |
|-----------------|-----------------|----------------|-----------------|------------------------------|--------------|------------------------------|--------------|
| | | K (cm/s) | Screen Interval | K (cm/sec) | Sample Depth | K (cm/sec) | sample depth |
| MW-19A | Shallow | 2.7E-08 | 12-22 | 2.74E-08 | 16-18 | 2.00E-07 | 14 |
| MW-20A | Shallow | 1.1E-08 | 12-22 | 1.52E-08 | 16-18 | 3.20E-06 | 14 |
| MW-21A | Shallow | 1.3E-08 | 12-22 | -- | -- | 3.20E-06 | 16 |
| MW-24A | Shallow | | | 2.90E-08 | 6 - 8 | 2.00E-07 | 10 |
| MW-25A | Shallow | | | 1.50E-08 | 6 - 8 | 2.00E-07 | 10 |
| MW-17B | Deep | | | | | 8.00E-05 | 42 |
| MW-11B | Deep | | | 3.70E-08 | 49-51 | | |
| MW-19B | Deep | 2.6E-08 | 53-58 | -- | -- | 1.80E-06 | 58 |
| MW-20B | Deep | 1.1E-08 | 53-58 | -- | -- | 1.28E-05 | 54 |
| MW-21B | Deep | 1.8E-08 | 53-58 | 2.46E-08 | 53-54.5 | -- | -- |
| MW-24B | Deep | | | 1.10E-08 | 40 - 42 | 5.00E-06 | 45 |
| MW-25B | Deep | | | 1.50E-08 | 40 - 42 | 2.00E-07 | 45 |

Table 5
Soil Properties
Enbridge Superior Terminal

| Boring | Depth | Organic Content % | Dry Bulk Density (lbs/cu ft) |
|---------------|--------------|------------------------------|---|
| MW-11B | 49-51 | 1.3 | 71.7 |
| MW-19A | 16-18 | 1.5 | 68.1 |
| MW-20A | 16-18 | 1 | 89.2 |
| MW-21B | 53-54.5 | 1.3 | 82.6 |
| | | | |
| MW-24A | 4-6 | 13.8 | 75.5 |
| MW-24B | 38-40 | 1.2 | 68.8 |
| MW-25A | 4-6 | 0.8 | 92 |
| MW-25B | 38-40 | 0.8 | 75 |

Table 6
Analytical Results of Water Samples from Wells
Enbridge Superior Terminal

| Location | Date | Benzene (µg/L) | Ethylbenzene (µg/L) | Toluene (µg/L) | Total Xylenes (µg/L) | DRO (µg/L) | Naphthalene (µg/L) | 1,2,4-Trimethylbenzene (µg/L) | 1,3,5-Trimethylbenzene (µg/L) |
|----------|-------------------|----------------|---------------------|----------------|----------------------|------------|--------------------|-------------------------------|-------------------------------|
| MW-1 | 20-Dec-99 | < 1.0 | < 1.2 | <1.1 | < 3.7 | < 100 | NS | NS | NS |
| | 2-Dec-03 | <0.30 | <0.60 | <0.58 | <1.84 | <100 | NS | NS | NS |
| | 14-Oct-04 | 0.28* | < 0.40 | < 0.36 | < 1.1 | < 110 | NS | NS | NS |
| | 15-Sep-08 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | < 500 | NS | NS | NS |
| | 1-Oct-09 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | <51 | NS | NS | NS |
| | 17-Sep-10 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | <100 | NS | NS | NS |
| | 20-Sep-11 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | <115 | NS | NS | NS |
| | 26-Sep-12 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | <120 | NS | NS | NS |
| | 22-Nov-13 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NS | < 4.0 | < 1.0 | < 1.0 |
| | 27-Aug-14 | <1.0 | <1.0 | <1.0 | <3.0 | NS | <5.0 | <1.0 | <1.0 |
| | 10-Nov-15 | <1.0 | <1.0 | <1.0 | <3.0 | NS | <4.0 | <1.0 | <1.0 |
| | 24-May-16 | <1.0 | <1.0 | <1.0 | <3.0 | NS | <5.0 | <1.0 | <1.0 |
| | 3-Oct-16 | <1.0 | <1.0 | <1.0 | <3.0 | NS | <5.0 | <1.0 | <1.0 |
| | | | | | | | | | |
| MW-2 | 20-Dec-99 | < 1.0 | < 1.2 | <1.1 | < 3.7 | <100 | NS | NS | NS |
| | 2-Dec-03 | <0.30 | <0.60 | <0.58 | <1.84 | <100 | NS | NS | NS |
| | 14-Oct-04 | 1.5* | < 0.40 | < 0.36 | < 1.1 | < 100 | NS | NS | NS |
| | 16-Oct-08 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | <460 | NS | NS | NS |
| | 1-Oct-09 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | <51 | NS | NS | NS |
| | 17-Sep-10 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | <103 | NS | NS | NS |
| | 20-Sep-11 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | <111 | NS | NS | NS |
| | 26-Sep-12 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | <110 | NS | NS | NS |
| | 22-Nov-13 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NS | <4.0 | <1.0 | <1.0 |
| | 27-Aug-14 | <1.0 | <1.0 | <1.0 | <3.0 | NS | <5.0 | <1.0 | <1.0 |
| | 10-Nov-15 | <1.0 | <1.0 | <1.0 | <3.0 | NS | <4.0 | <1.0 | <1.0 |
| | 24-May-16 | <1.0 | <1.0 | <1.0 | <3.0 | NS | <5.0 | <1.0 | <1.0 |
| | 3-Oct-16 | <1.0 | <1.0 | <1.0 | <3.0 | NS | <5.0 | <1.0 | <1.0 |
| | | | | | | | | | |
| MW-5 | 20-Dec-99 | < 1.0 | < 1.2 | <1.1 | < 3.7 | <100 | NS | NS | NS |
| | 2-Dec-03 | <0.30 | <0.60 | <0.58 | <1.84 | <100 | NS | NS | NS |
| | 14-Oct-04 | 0.75* | < 0.40 | < 0.36 | < 1.1 | < 100 | NS | NS | NS |
| | 15-Sep-08 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | < 460 | NS | NS | NS |
| | 1-Oct-09 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | 160 | NS | NS | NS |
| | 17-Sep-10 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | <102 | NS | NS | NS |
| | 20-Sep-11 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | <110 | NS | NS | NS |
| | 26-Sep-12 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | <100 | NS | NS | NS |
| | 25-Nov-13 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NS | < 4.0 | < 1.0 | < 1.0 |
| | 29-Aug-14 | <1.0 | <1.0 | <1.0 | <3.0 | NS | <5.0 | <1.0 | <1.0 |
| | 12-Nov-15 (Dup-2) | <1.0 | <1.0 | <1.0 | <3.0 | NS | <4.0 | <1.0 | <1.0 |
| | 24-May-16 | <1.0 | <1.0 | <1.0 | <3.0 | NS | <5.0 | <1.0 | <1.0 |
| | 4-Oct-16 | <1.0 | <1.0 | <1.0 | <3.0 | NS | <5.0 | <1.0 | <1.0 |

Table 6
Analytical Results of Water Samples from Wells
Enbridge Superior Terminal

| Location | Date | Benzene (µg/L) | Ethylbenzene (µg/L) | Toluene (µg/L) | Total Xylenes (µg/L) | DRO (µg/L) | Naphthalene (µg/L) | 1,2,4-Trimethylbenzene (µg/L) | 1,3,5-Trimethylbenzene (µg/L) |
|-------------|------------------------|----------------|---------------------|----------------|----------------------|------------|--------------------|-------------------------------|-------------------------------|
| Trip Blank | 2-Dec-03 | <0.30 | <0.60 | <0.58 | <1.84 | --- | NS | NS | NS |
| | 14-Oct-04 | 1.3* | < 0.40 | < 0.36 | < 1.1 | --- | NS | NS | NS |
| | 20-Sep-10 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | --- | NS | NS | NS |
| | 20-Sep-11 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | --- | NS | NS | NS |
| | 26-Sep-12 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | --- | NS | NS | NS |
| | 2-Nov-12 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | --- | NS | NS | NS |
| | 22-Nov-13 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | --- | < 4.0 | < 1.0 | < 1.0 |
| | 27-Aug-14 | <1.0 | <1.0 | <1.0 | <3.0 | NS | <5.0 | <1.0 | <1.0 |
| | 9-Nov-15 | <1.0 | <1.0 | 1.7 | <3.0 | NS | <4.0 | <1.0 | <1.0 |
| | 10-Nov-15 | <1.0 | <1.0 | 1.6 | <3.0 | NS | <4.0 | <1.0 | <1.0 |
| | 10-Nov-15 | <1.0 | <1.0 | 1.7 | <3.0 | NS | <4.0 | <1.0 | <1.0 |
| | 11-Nov-15 | <1.0 | <1.0 | 1.3 | <3.0 | NS | <4.0 | <1.0 | <1.0 |
| | 11-Nov-15 | <1.0 | <1.0 | 1.3 | <3.0 | NS | <4.0 | <1.0 | <1.0 |
| | 12-Nov-15 [‡] | <1.0 | <1.0 | <1.0 | <3.0 | NS | <4.0 | <1.0 | <1.0 |
| | 13-Nov-15 [‡] | <1.0 | <1.0 | <1.0 | <3.0 | NS | <4.0 | <1.0 | <1.0 |
| | 22-May-16 | <1.0 | <1.0 | <1.0 | <3.0 | NS | <5.0 | <1.0 | <1.0 |
| | 22-May-16 | <1.0 | <1.0 | <1.0 | <3.0 | NS | <5.0 | <1.0 | <1.0 |
| | 3-Oct-16 | <1.0 | <1.0 | <1.0 | <3.0 | NS | <5.0 | <1.0 | <1.0 |
| | 6-Oct-16 | <1.0 | <1.0 | <1.0 | <3.0 | NS | <5.0 | <1.0 | <1.0 |
| | | | | | | | | | |
| Field Blank | 14-Oct-04 | 1.9* | < 0.40 | 0.49* | < 1.1 | --- | NS | NS | NS |

Notes:

µg/L = micrograms per liter (parts per billion)

NS = Not sampled for this parameter

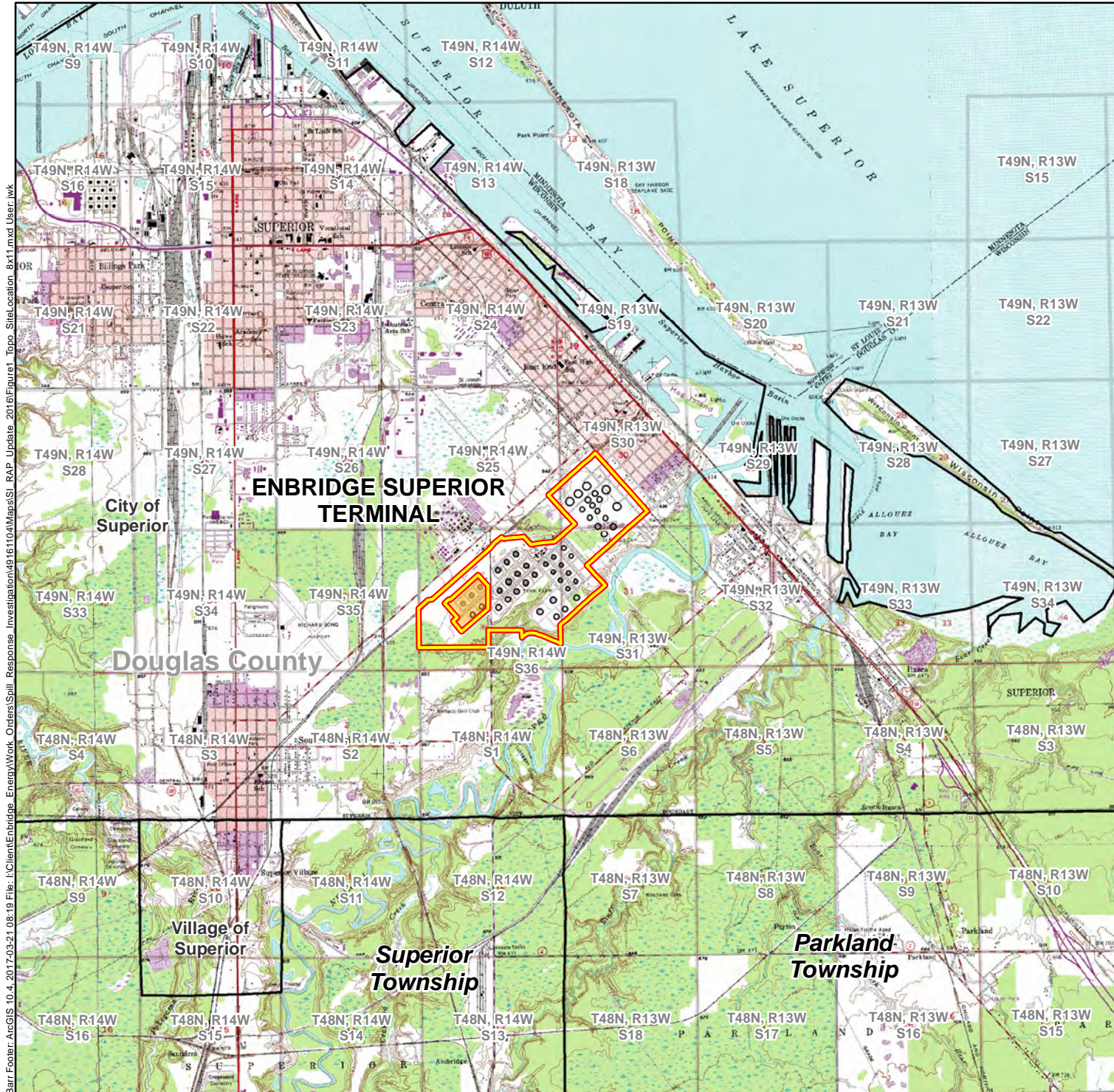
* Detections are likely false positives. Samples were stored at lab in refrigerator at laboratory next to unrelated samples with high benzene and toluene concentrations.

† Well no longer part of the Annual Groundwater Monitoring Program

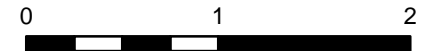
‡ Well analyzed for full-list volatile organic compounds.

<1.0 = not detected above the laboratory practical quantitation limit

Figures



- Facility Boundary
- Non-Enbridge Owned Property

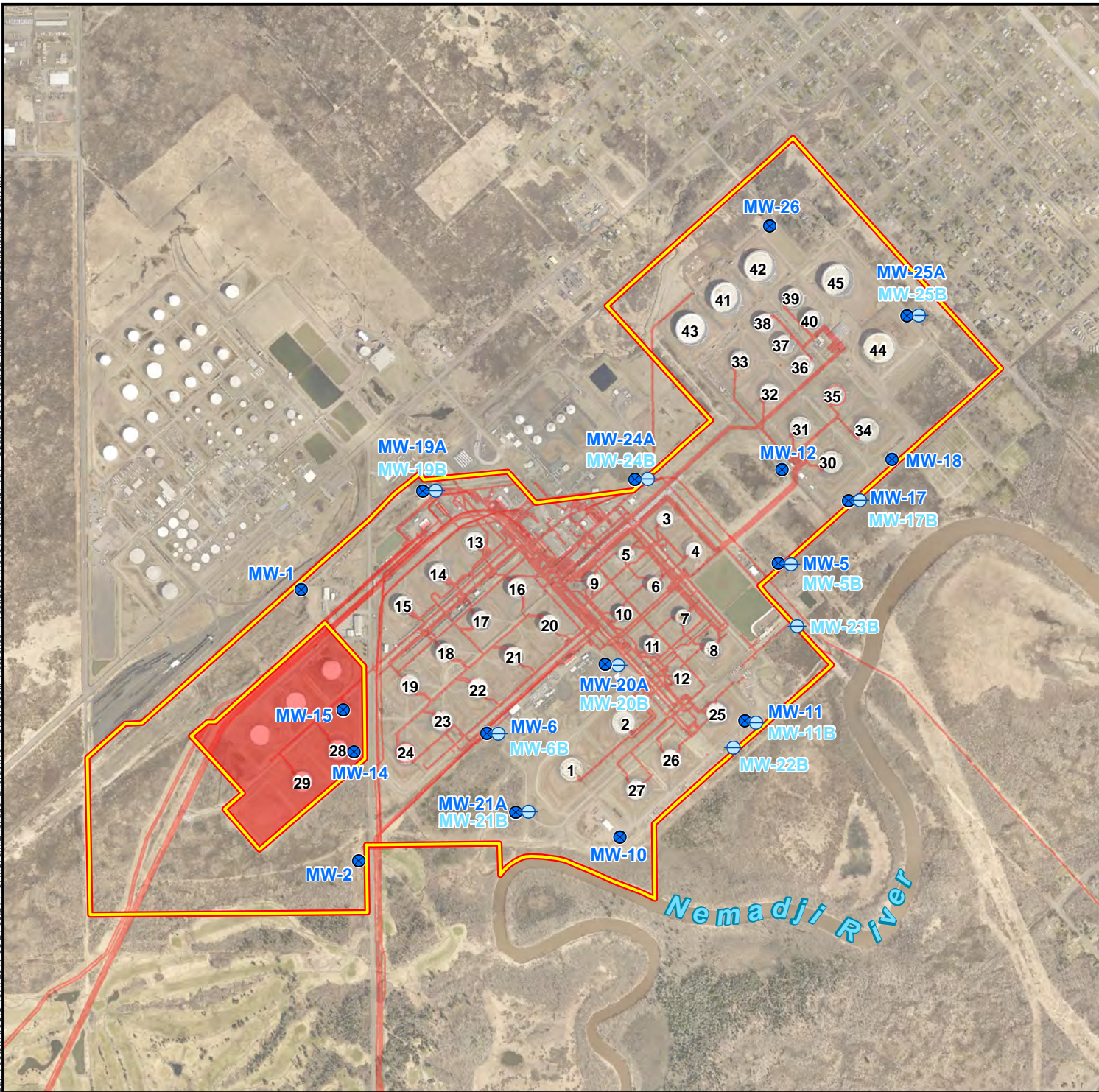


Miles
1 Inch = 5,280 Feet

Figure 1

SITE LOCATION
Enbridge Superior Terminal
Superior, Wisconsin





- Facility Boundary
- Non-Enbridge Owned Property
- Pipeline Infrastructure
- Groundwater Monitoring Location**
 - Monitoring Well (Shallow)
 - Piezometer (Deep)

Note:
Monitoring well locations MW-5B, MW-6B, MW-11B, MW-17B, MW-19B, MW-20B, MW-21B, MW-22B, MW-23B, MW-24B and MW-25B are piezometers.

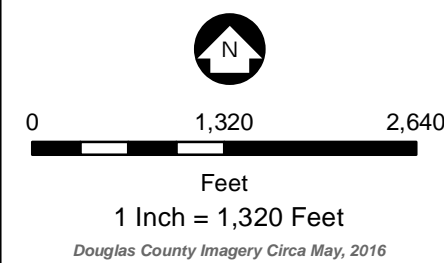


Figure 2
MONITORING WELL LOCATIONS
Enbridge Superior Terminal
Superior, Wisconsin





- Monitoring Wells
 - Groundwater Elevation (ft NAVD)
 - Groundwater Elevation (ft)
 - Contour Interval = 2.5-Foot (Dashed Where Inferred)
 - Groundwater Flow Direction
 - 5-Foot Topographic Contours
 - Facility Boundary
 - Non-Enbridge Owned Property
- Groundwater elevations measured on 11/09/2015, 11/10/2015, 11/11/2015, 11/12/2015, 11/13/2015, and 11/16/2015

Note:
Monitoring well locations MW-24A, MW-25A, and MW-26 were newly installed and therefore not used in groundwater contour modeling.

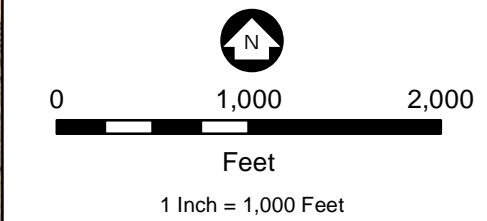
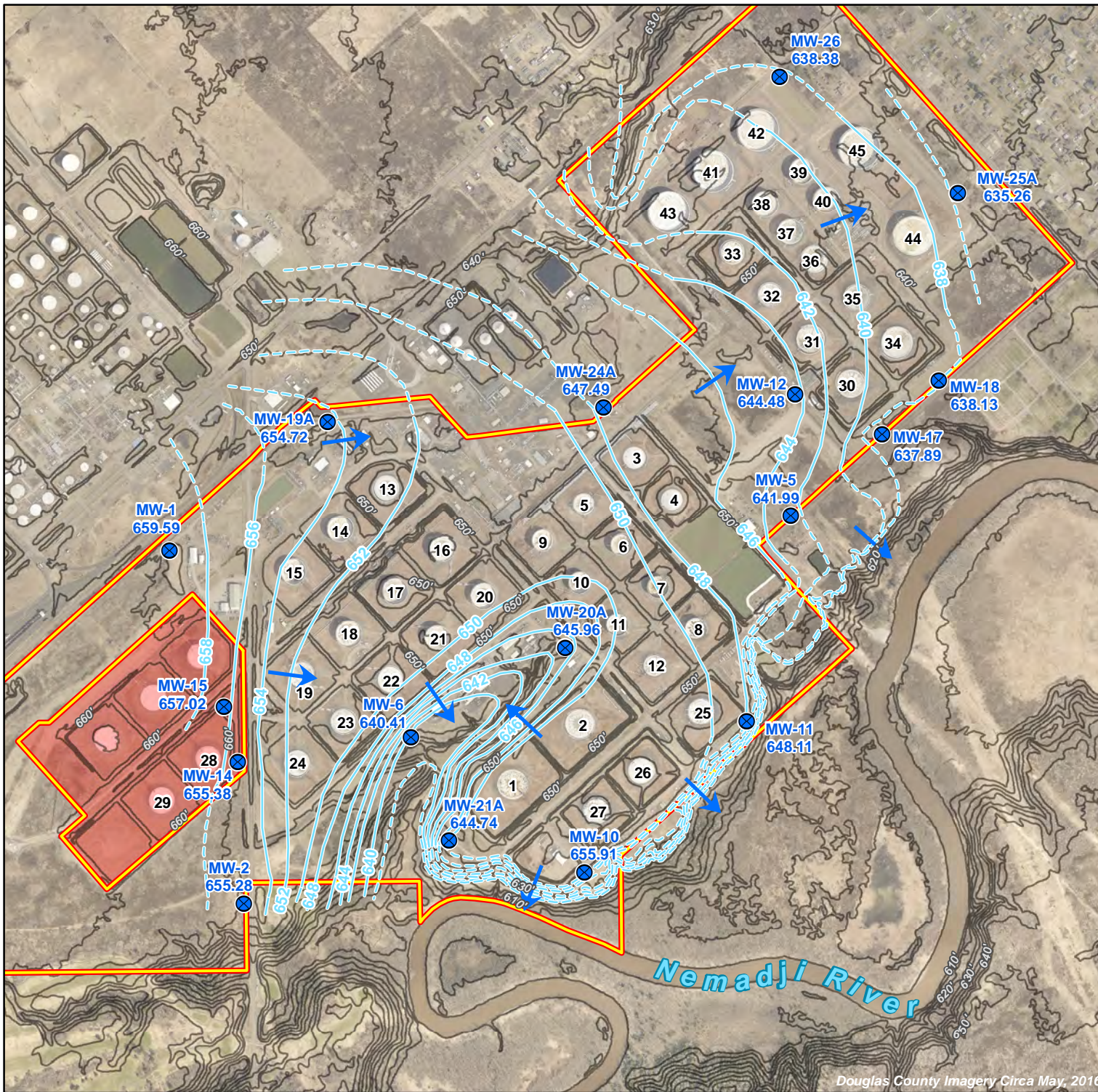


Figure 3a

**FALL 2015
SHALLOW GROUNDWATER
ELEVATION CONTOURS**
Enbridge Superior Terminal
Superior, Wisconsin





- ⊗ Monitoring Wells
- Monitoring Well Elevation (ft NAVD)
- Groundwater Elevation (ft)
- Contour Interval = 2-Foot (Dashed Where Inferred)
- ➔ Groundwater Flow Direction
- 5-Foot Topographic Contours
- Facility Boundary
- Non-Enbridge Owned Property

Groundwater elevations measured on 05/16/2016, 05/17/2016, 05/18/2016, 05/19/2016, and 05/28/2016

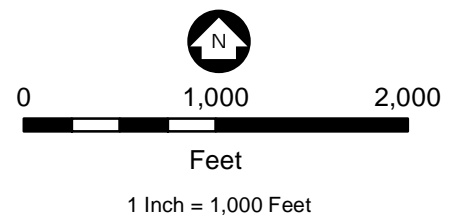
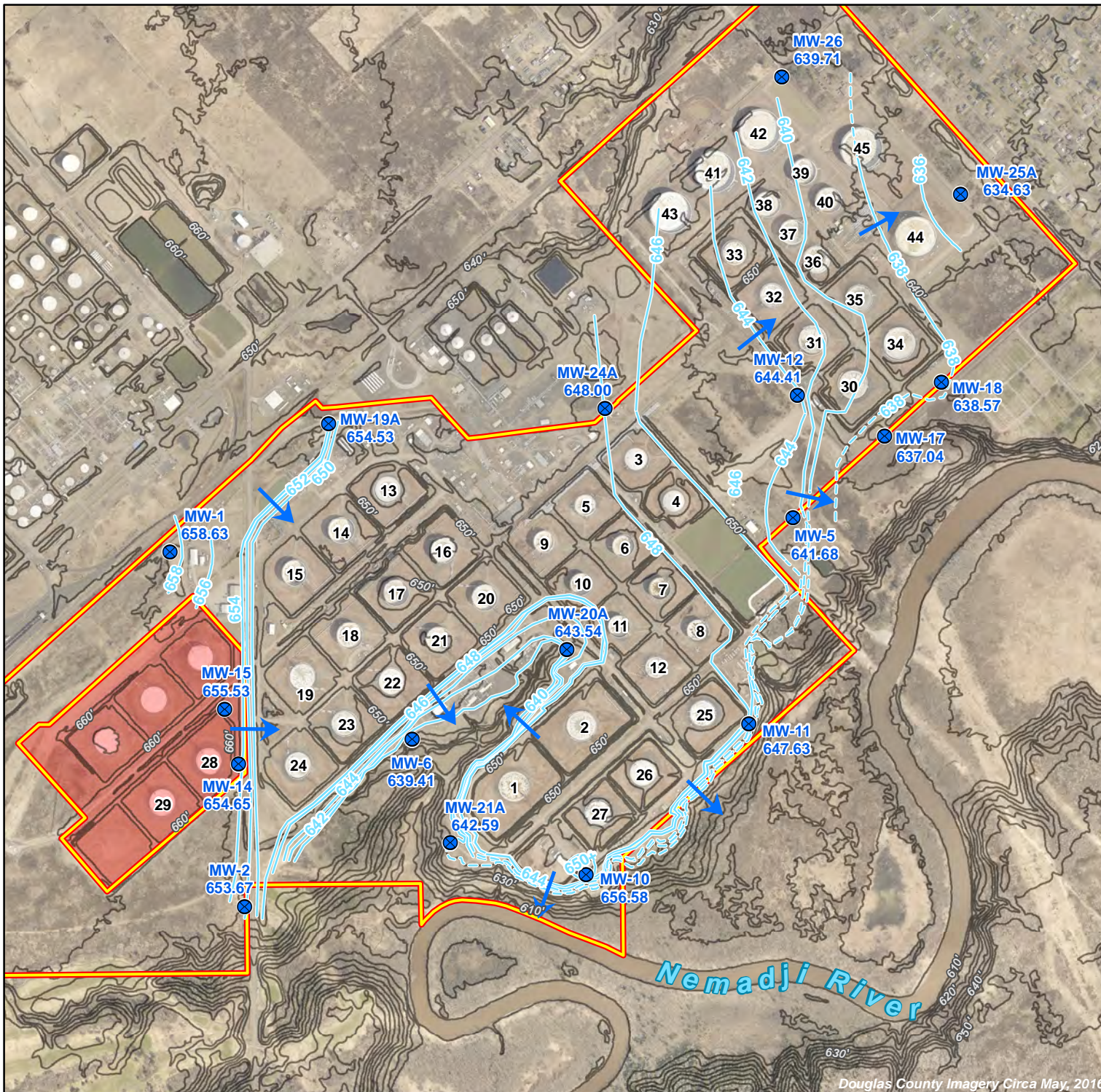


Figure 3b

**SPRING 2016
SHALLOW GROUNDWATER
ELEVATION CONTOURS**
Enbridge Superior Terminal
Superior, Wisconsin



Douglas County Imagery Circa May, 2016



- Monitoring Wells
- Groundwater Elevation (ft NAVD)
- Groundwater Elevation (ft)
- Contour Interval = 2-Foot (Dashed Where Inferred)
- 5-Foot Topographic Contours
- Groundwater Flow Direction
- Facility Boundary
- Non-Enbridge Owned Property

Groundwater elevations measured on 10/03/2016, 10/04/2016, 10/05/2016, 10/06/2016, and 10/07/2016

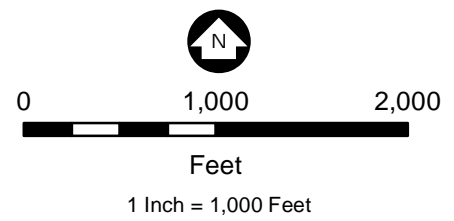


Figure 3c

**FALL 2016
SHALLOW GROUNDWATER
ELEVATION CONTOURS**
Enbridge Superior Terminal
Superior, Wisconsin





- Monitoring Wells - Piezometer
- Groundwater Elevation (ft NAVD)
- Groundwater Elevation (ft)
- Contour Interval = 1-Foot (Dashed Where Inferred)
- Groundwater Flow Direction
- 5-Foot Topographic Contours
- Facility Boundary
- Non-Enbridge Owned Property

Groundwater elevations measured on 11/09/2015, 11/10/2015, 11/11/2015, 11/12/2015, 11/13/2015, and 11/16/2015

Note:
Monitoring well locations MW-5B, MW-6B, MW-22B, MW-23B, MW-24B, and MW-25B, were newly installed and therefore not used in groundwater contour modeling.



0 1,000 2,000

Feet

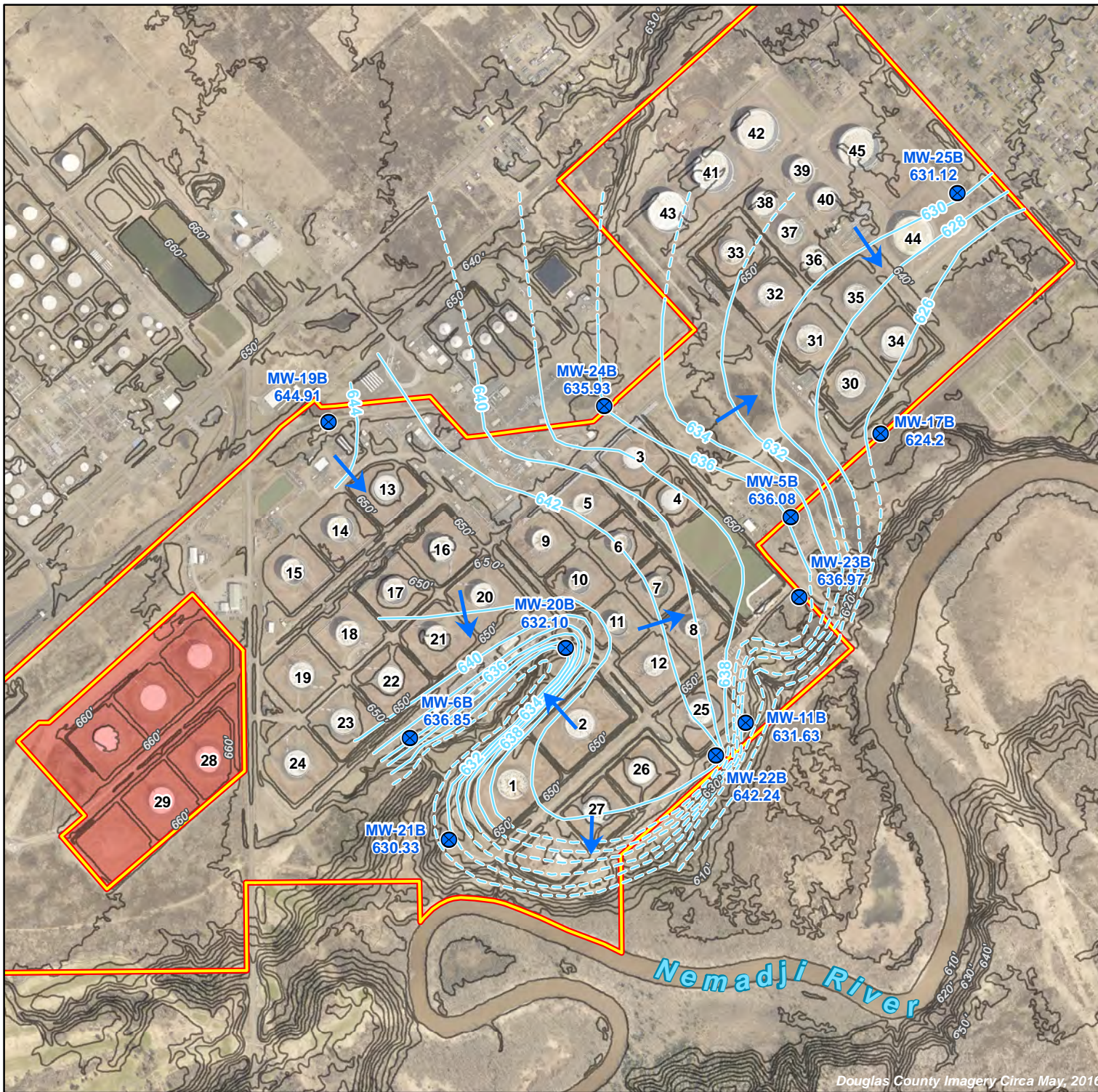
1 Inch = 1,000 Feet

Figure 4a

**FALL 2015
DEEP GROUNDWATER
ELEVATION CONTOURS**
Enbridge Superior Terminal
Superior, Wisconsin



Douglas County Imagery Circa May, 2013



- Monitoring Wells - Piezometer
- Groundwater Elevation (ft NAVD)
- Groundwater Elevation (ft)
- Contour Interval = 2-Foot (Dashed Where Inferred)
- Groundwater Flow Direction
- 5-Foot Topographic Contours
- Facility Boundary
- Non-Enbridge Owned Property

Groundwater elevations measured on 05/16/2016, 05/17/2016, 05/18/2016, 05/19/2016, and 05/28/2016

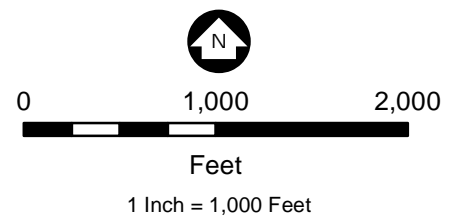


Figure 4b

**SPRING 2016
DEEP GROUNDWATER
ELEVATION CONTOURS**
Enbridge Superior Terminal
Superior, Wisconsin



Douglas County Imagery Circa May, 2016



- Monitoring Wells - Piezometer
- Groundwater Elevation (ft NAVD)
- Groundwater Elevation (ft)
- Contour Interval = 2-Foot (Dashed Where Inferred)
- 5-Foot Topographic Contours
- Groundwater Flow Direction
- Facility Boundary
- Non-Enbridge Owned Property

Groundwater elevations measured on 10/03/2016, 10/04/2016, 10/05/2016, 10/06/2016, and 10/07/2016

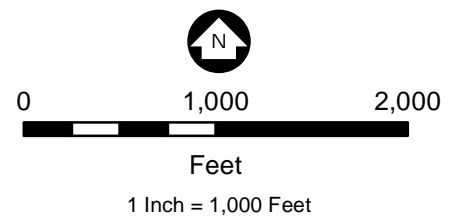


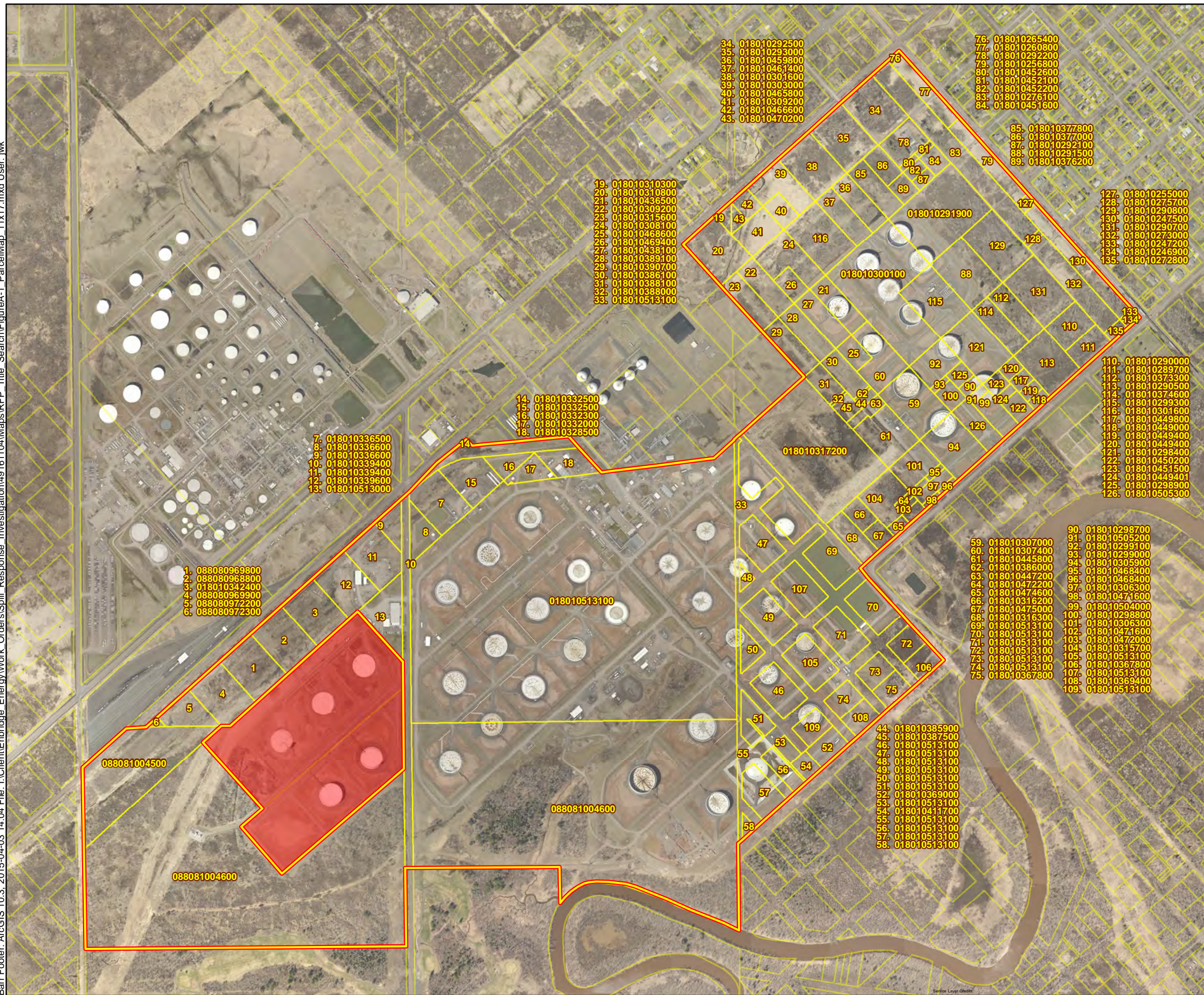
Figure 4c
FALL 2016
DEEP GROUNDWATER
ELEVATION CONTOURS
 Enbridge Superior Terminal
 Superior, Wisconsin






Appendices

Appendix A

Facility Parcel Maps, Property Descriptions and Deeds



-  Subject Property Boundary
-  Non-Enbridge Owned Property
-  Parcel Boundaries



0 800 1,600

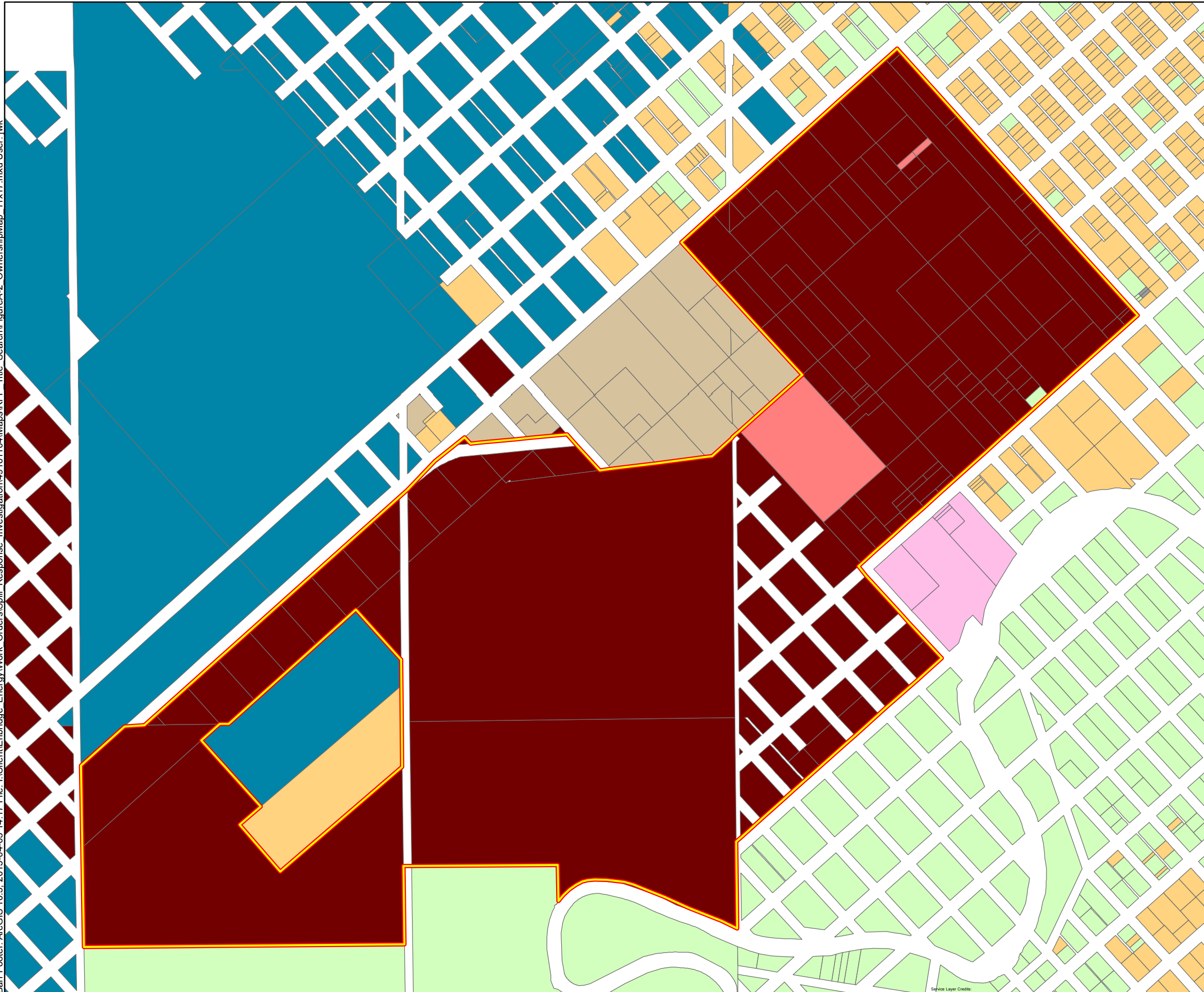
Feet











1 Inch = 800 Feet

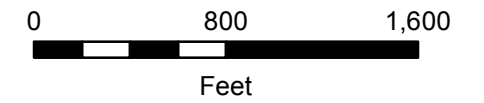
Figure A-1

PARCEL MAP
SUPERIOR TERMINAL
 Enbridge Energy, L.P.
 Superior, Wisconsin





-  Subject Property Boundary
- Parcel Boundaries**
-  ENBRIDGE ENERGY LP
-  LAKEHEAD PIPELINE CO
-  LAKEHEAD OIL CO INC
-  CITY/COUNTY/STATE
-  BURLINGTON NORTHERN INC
-  CALUMET SUPERIOR LLC
-  DOME PETRO
-  RAINY RIVER ENERGY CORPORATION
-  PRIVATE/OTHER



1 Inch = 800 Feet

Figure A-2

OWNERSHIP MAP
SUPERIOR TERMINAL
 Enbridge Energy, L.P.
 Superior, Wisconsin



Summary of Parcels and Associated Deeds Enbridge Superior Terminal

| PARCELNO | VESTING DEED | OWNER NAME | LEGALDESC |
|--------------|-------------------|--------------------------|--|
| 018010246900 | 542/156 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 9TH ST LOTS 2, 4 & 6 & ALLEY VACATED. 493-635 |
| 018010298700 | 519/319 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 13TH ST E 1/4 NE BL 4 & STS, AVES & ALLEYS VAC. 326R617 |
| 018010273000 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 10TH ST LOT 9 THRU 65, ODD NO'S, AND ALLEYS, W 10TH ST, & 29TH & 30TH AVENUES E VACATED. 311-239 |
| 018010292200 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUPERIOR W 11TH ST W 1/2 BLK 9 AND W 10TH ST, W 11TH ST & 26TH AVE E VACATED |
| 018010308100 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 15TH ST NW 1/4, NE 1/4, & SW 1/4 BL 9 & STS, AVES & ALLEYS VACATED 326R617 |
| 018010272800 | 519/329 & 542/154 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 10TH ST LOTS 1 TO 7, ODD NO'S & ALLEY & W 10TH ST VAC. 493-635 |
| 018010332500 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 23RD ST BL 12 & N 23RD & 24TH STS VAC & 26TH AVE E VACATED |
| 018010336500 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 25TH ST BLOCK 11 & N 24TH & 25TH STS VAC & 26TH AVE E VACATED |
| 018010265400 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 9TH ST LOTS 190 & 192 & ALLEY VAC EXC R/W. 311-304 |
| 018010256800 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 9TH ST LOTS 94 THRU 142, EVEN NO'S, AND ALLEYS & 27TH & 28TH AVENUES E VACATED EXC R/W. 327-100 |
| 018010275700 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 10TH ST LOTS 67 & 69 & ALLEY & W 10TH ST VAC. 330-5 |
| 018010290000 | 519/329 & 542/154 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 11TH ST W 1/2 BL 1 AND W 10TH ST, W 11TH ST, & 30TH AVE E VAC |
| 018010469400 | 519/329 | LAKEHEAD PIPELINE CO LTD | MCBEAN BLKS W 15TH ST LOT 129 THRU 143 ODD NOS INCL & STS, AVES, ALLEYS VAC 326R617 |
| 018010307000 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 15TH ST BL 3 & STS, AVES & ALLEYS VACATED 326R617 EXC R/W 311D239-241 |
| 018010276100 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 10TH ST LOT 71 THRU 191, ODD NO'S, AND ALLEYS, W 10TH ST, & 26TH, 27TH & 28TH AVENUES E VACATED. 311-210 |
| 018010291900 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 11TH ST BLKS 7 & 8 & STS, AVES, ALLEYS VAC 326R617 & #802021 |
| 018010339400 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 27TH ST BLOCK 11 & N 26TH & 27TH STS VAC & 26TH AVE E VACATED |
| 018010299300 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 13TH ST BL 5 & STS, AVES & ALLEYS VAC 326R617 311-210 |
| 018010247200 | 519/329 & 542/154 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 9TH ST LOT 8 & ALLEY VACATED. 493-635 THRU 639 |
| 018010290700 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 11TH ST BLK 3 AND W 10TH ST, W 11TH ST, & 29TH & 30TH AVES E VACATED. 311-240 |

| | | | |
|--------------|-------------------|--------------------------|--|
| 018010386100 | 519/329 | LAKEHEAD PIPELINE CO LTD | SUBDIV OF BL 6 W 15TH ST LOT 70 THRU 96 EVEN NO'S INCL STS, AVES & ALLEYS VAC 326R617 |
| 018010504000 | 519/329 | LAKEHEAD PIPELINE CO LTD | WORTLEY'S SUB DIV W 13TH ST LOTS 2 THRU 30, EVEN NO'S INCL W 13TH ST & STS, AVES & ALLEYS VAC 326R617/256-442 |
| 018010298900 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 13TH ST W 3/4 NE BL 4 & STS, AVES ALLEYS VAC 326R617 |
| 018010290500 | 519/329 & 542/154 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 11TH ST BLOCK 2 & STS, AVES & ALLEYS VACATED 326R617 & #802021 |
| 018010307400 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 15TH ST IN 1/2 & SE 1/4 BL 5 & STS, AVES ALLEYS VAC 326R617 |
| 018010438100 | 519/329 | LAKEHEAD PIPELINE CO LTD | BELMONT PLACE W 15TH ST LOTS 97 TO 127 INCL ODD NOS & STS, AVES, ALLEYS VAC 326R617 |
| 018010449000 | 519/329 | DOUGLAS COUNTY | DAISY DIV W 12TH ST LOTS 2,4,6,8 & STS, AVES, ALLEYS VAC 326R617 |
| 018010315600 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 16TH ST S 1/2 FR BL 10 329-469 |
| 018010342400 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 29TH ST BL 11 & N 28TH & 29TH STS VAC & 26TH AVE E VACATED |
| 018010301600 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 13TH ST BLKS 10, 11 & STS, AVES & ALLEYS VAC 326R617 |
| 018010376200 | 519/329 | LAKEHEAD PIPELINE CO LTD | SUB DIV OF BL 10 W 11TH ST LOTS 130 THRU 140 EVEN NO'S, & STS, AVES, ALLEYS VAC 326R617 & #80202 1,304-581 |
| 018010377800 | 519/329 | LAKEHEAD PIPELINE CO LTD | SUB DIV OF BL 10 W 11TH ST LOT 129 THRU 159, ODD NO'S INCL W 12TH ST & STS, AVES, ALLEYS VAC. 326R617 |
| 018010315700 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUPERIOR W 17TH ST, BL 1 EXC ALL OF THE MCBEAN BLKS SUBDIV IN NW 1/4 OF E 1/2 & THE SE 1/4 OF E 1/2 507-603 |
| 018010316200 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 17TH ST NW 1/4 BL 2 & ALLEYS, STS VAC 78A474 SUBJ TO EASEMENT 507-603 |
| 018010310800 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 15TH ST BL 12 & STS, AVES & ALLEYS VACATED 326R617 |
| 018010291500 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 11TH ST BL 6 & STS, AVES VAC 326R617 & #802021. 310-27 |
| 018010306300 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 15TH ST BL 2 EXC E 1/4 & W 1/4 OF E 1/2 & STS, AVES, ALLEYS VAC 326R617 |
| 018010290800 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 11TH ST BLK 5 AND W 10TH ST, W 11TH ST, & 28TH & 29TH AVES E VACATED |
| 018010445800 | 519/329 | LAKEHEAD PIPELINE CO LTD | BUTLERS & MCCABES SUB DIV OF BL 4 W 15TH ST LOTS 33 TO 61 ODD NOS W 16TH ST LOTS 34 TO 60 EVEN NOS W 15TH ST & STS, AVES, ALLEYS VAC 326R617 |
| 018010332300 | 519/329 & 542/154 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 23RD ST BL 11 EXC PT CONV 308D506 & 26TH AVE E VACATED 86A311 |

| | | | |
|--------------|-------------------|-------------------------------------|--|
| 018010310300 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 15TH ST WEST OF VILLARD AVENUE □ BLOCK 11 & 1/2 STS, AVES, ALLEYS VAC 326R617 |
| 018010466600 | 519/329 | LAKEHEAD PIPELINE CO LTD | MCBEAN BLKS W 15TH ST E VILLARD AVE LOTS 178 THRU □ FR LOT 192 EVEN NO'S BL 11 □ 14TH ST & STS, AVES, □ ALLEYS VAC 326R617 |
| 018010472200 | 519/329 | LAKEHEAD PIPELINE CO LTD | MCBEAN BLKS W 17TH ST LOTS 14 & 16 BL 1 W 16TH ST □ & STS, AVES, ALLEYS VAC. 326R617 507-603 |
| 018010298800 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 13TH ST E 3/4 SE BL 4 & STS, AVES □ ALLEYS VAC 326R617 |
| 018010449401 | 519/329 & 542/154 | LAKEHEAD PIPELINE CO LTD | DAISY DIVISION W 13TH ST LOTS 19, 21 & 23 & STS □ AVES & ALLEYS VACATED 326R617 |
| 018010260800 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 9TH ST LOTS 144 THRU 188, EVEN NO'S, AND ALLEYS & 26TH AVE E VAC EXC R/W 311-28 |
| 018010451500 | 519/329 & 542/154 | LAKEHEAD PIPELINE CO LTD | DAISY DIV W 13TH ST LOTS 25 TO 31 & STS, AVES & ALLEYS VACATED 326R617 |
| 018010299000 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 13TH ST W 1/4 SE BL 4 & STS, AVES □ ALLEYS VAC 326R617 |
| 018010450200 | 519/329 | LAKEHEAD PIPELINE CO LTD | DAISY DIV W 13TH ST LOTS 1 THRU 17 ODD NOS INCL & □ STS, AVES, ALLEYS VAC 326R617 |
| 018010247500 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 9TH ST LOT 10 THRU LOT 84, EVEN NO'S AND ALLEYS & 29TH & 30TH AVENUES E VACATED, EXC R/W. 311-239 |
| 018010461400 | 519/329 | LAKEHEAD PIPELINE CO LTD | HARTOPP PLACE, W 13TH ST LOT 129 TO 159 INC ODD □ NOS & STS, AVES, ALLEYS VAC 326R617 |
| 018010468600 | 519/329 | LAKEHEAD PIPELINE CO LTD | MCBEAN BLKS W 15TH ST LOT 81 THRU 95 ODD NOS INCL □ & STS, AVES, ALLEYS VAC 326R617 311-239 |
| 018010475000 | 519/329 | LAKEHEAD PIPELINE CO LTD | MCBEAN BLOCKS W 17TH ST LOTS 2 THRU 16 EVEN NO'S □ BL 2, 17TH ST & ALLEY VAC 78A474 SUBJ TO EASEMENT □ 507-603 |
| 018010373300 | 519/329 | LAKEHEAD PIPELINE CO LTD | SUB DIV OF BLK 4 W 11TH ST LOTS 34 THRU LOT 64 EVEN #S, & ST, AVE & ALLEY VAC 326R617 & #802021 |
| 018010293000 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 11TH ST □ BL 12 & STS, AVES, ALLEYS VAC 326R617 & #802021 |
| 018010452600 | 793535 | ENBRIDGE ENERGY LIMITED PARTNERSHIP | EUCLID PLACE, W 11TH ST □ LOTS 141 & 143, W 11TH ST, & ALLEY & W 11TH ST VACATED. □ |
| 018010339600 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 27TH ST BLOCK 12 & N 27TH & 28TH STS VAC & 26TH AVE E VACATED |
| 018010390700 | 519/329 | LAKEHEAD PIPELINE CO LTD | SUBDIV OF BL 8 W 15TH ST LOTS 97 THRU 127, ODD NO' □ S INCL & STS, AVES, ALLEY VAC 326R617 |
| 018010449800 | 519/329 & 542/154 | LAKEHEAD PIPELINE CO LTD | DAISY DIV W 12TH ST LOTS 18 TO 26, EVEN NOS R/W & □ STS, AVES ALLEYS VAC 326R617 |

| | | | |
|--------------|-------------------|-------------------------------------|--|
| 018010255000 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 9TH ST LOTS 86,88,90 & 92 & ALLEY VACATED, EXC R/W. 311-304 |
| 018010385900 | 519/329 & 542/154 | LAKEHEAD PIPELINE CO LTD | SUBDIV OF BL 6 W 15TH ST LOT 66 W 15TH ST R/W & STS □ AVES, ALLEYS VAC 326R617 |
| 018010505300 | 519/329 | LAKEHEAD PIPELINE CO LTD | WORTLEY'S SUB DIV W 13TH ST LOTS 1 THRU 31 ODD NO'S INCL & STS, AVES, ALLEY VAC 326R617. 311-239 |
| 018010299100 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 13TH ST W 1/2 BL 4 & STS, AVES, □ ALLEYS VAC 326R617 311-240 |
| 018010474600 | 519/329 | LAKEHEAD PIPELINE CO LTD | MCBEAN BLKS W 17TH ST LOT 1,3,5 & 7 BL 1 17TH ST & □ ALLEY & STS VAC 78A474 SUBJ TO EASEMENT 507-603 |
| 018010388100 | 519/329 | LAKEHEAD PIPELINE CO LTD | SUBDIV OF BL 6 W 15TH ST LOT 77 THRU 95 ODD NO'S □ INCL & STS, AVES, ALLEYS VAC 326R617 |
| 018010459800 | 519/329 | LAKEHEAD PIPELINE CO LTD | HARTOPP PLACE W 13TH ST LOTS 130 TO 160 INCL EVEN □ NOS W 12TH ST & STS, AVES ALLEYS VAC 326R617 |
| 018010289700 | 519/329 & 542/154 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 11TH ST □ E 1/2 OF BLOCK 1 AND W 10TH & W 11TH STS VAC |
| 018010387500 | 519/329 & 542/154 | LAKEHEAD PIPELINE CO LTD | SUB DIV OF BL 6 W 15TH ST LOTS 65 THRU 73, ODD NO'S □ INCL & STS, AVES, ALLEYS VAC 326R617 |
| 018010513000 | 519/329 | LAKEHEAD PIPELINE CO LTD | COMMENCING AT THE CENTER OF SEC 36 TN 49 R 14 W □ THENCE W'LY 33' ON E & W CENTERLINE OF SEC 36 WHICH IS POINT OF BEG. THENCE IN. A DIST OF 1159.35' □ THENCE SW'LY AT AN ANGLE OF 48 DEG 36 MIN FROM ST □ R/W A DIST. OF 1760.55' THENCE E'LY AT AN ANGLE |
| 018010471600 | 519/329 | LAKEHEAD PIPELINE CO LTD | MCBEAN BLKS W 15TH ST LOTS 1,3,13 & 15 BL 2 16TH ST & STS, AVES, ALLEYS VAC 326R617 311-239 |
| 018010452100 | 793535 | ENBRIDGE ENERGY LIMITED PARTNERSHIP | EUCLID PLACE, W 11TH ST LOTS 142 & 144 ON W 10TH ST, AND ALLEY & W 10TH ST VACATED. □ |
| 018010292100 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 11TH ST E 1/2 S 1/2 E 1/4 BL 9 & W 11TH ST & 27TH AVE E VACATED. 311-520 |
| 018010303000 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 13TH ST W 1/2 & NE 1/4 OF BL 12 & □ STS, AVES, & ALLEYS VAC 326R617 |
| 018010449400 | 519/329 & 542/154 | LAKEHEAD PIPELINE CO LTD | DAISY DIV W 12TH ST LOTS 10, 12, 14, 16 EXC R/W □ LOTS 28, 30 & 32 EXC R/W |
| 018010447200 | 519/329 & 542/154 | LAKEHEAD PIPELINE CO LTD | BUTLERS & MCCABES SUB DIV OF BL 4, W 15TH ST LOTS □ 62 & 64 W 15TH ST LOT 63 W 16TH ST AND STS, □ AVES, ALLEYS VAC 326R617 |
| 018010451600 | 519/329 | LAKEHEAD PIPELINE CO LTD | EUCLID PLACE, W 11TH ST LOTS 130,132,134,136,138 & 140 ON W 10TH ST, AND ALLEY, 27TH AVE E, & W 10TH ST VACATED |
| 088080969900 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 31ST ST □ BL 12 & W 31ST, 32ND & □ 26TH AVE EAST VACATED |

| | | | |
|--------------|-------------------|--------------------------|--|
| 088081004500 | 519/329 | LAKEHEAD PIPELINE CO LTD | ALL THAT PORTION OF NW QTR SW QTR SEC 36-49-14 LYING SE'LY OF NW'LY LINE OF R/W OF NP RY CO AS ORIGINALLY LOCATED & NW'LY LINE DRAWN PARALLEL WITH SE'LY OF & EVERYWHERE DISTANT 500' SE'LY OF THE NW'LY LINE OF SAID R/W WHEN MEASURED AT RIGHT ANGL |
| 088080968800 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 29TH ST BL 12 & N 29TH, 30TH & 26TH AVE EAST VACATED |
| 088081004600 | 519/329 | LAKEHEAD PIPELINE CO LTD | S 1/2 SEC 36-49-14 EXCEPT TRACTS OF LAND: (A) GOVT LOT 1; APPROX 400 FT WIDE THRU THE NW1/4 SW 1/4 LYING SE'LY OF & ADJACENT TO THE PRESENT NP R/W; (C) A TRIANGULAR PIECE LYING NW'LY OF NP R/W DESC 85 D 9 |
| 088080972200 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 33RD ST FR BL 11 & W 32ND & 33RD STREETS VACATED |
| 088080969800 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 31ST ST BL 11 & W 30TH, 31ST & 26TH AVE EAST VACATED |
| 018010309200 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 15TH ST IN 1/2 BL 10 & E 1/2 BL 11 & STS, AVES & ALLEYS VAC 26R617:311-612 |
| 018010369000 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP E 21ST ST E 1/2 BL 3 & E 22ND ST VACATED |
| 018010292500 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 11TH ST BLK 11 AND W 10TH ST, W 11TH ST & 26TH AVE E VACATED |
| 018010436500 | 519/329 | LAKEHEAD PIPELINE CO LTD | BELMONT PLACE W 15TH ST LOTS 98 TO 128 INCL EVEN NOS W 14TH ST & STS, AVES ALLEYS VAC 326R617 |
| 018010386000 | 519/329 & 542/154 | LAKEHEAD PIPELINE CO LTD | SUBDIV OF BL 6 W 15TH ST LOT 68 W 15TH ST R/W & STS, AVES, ALLEYS VAC 326R617 |
| 018010300100 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 13TH ST BLS 6,7,8 & STS, AVES & ALLEYS VAC 326R617 |
| 018010411700 | 519/329 | LAKEHEAD PIPELINE CO LTD | SUBDIV OF BL 4 E 23RD ST LOTS 49,51,53,55,57,59, 61 & 63 E 22ND ST & E 22ND ST VACATED |
| 018010505200 | 519/329 & 542/154 | LAKEHEAD PIPELINE CO LTD | WORTLEY'S SUB DIV W 13TH ST LOT 32 W 13TH ST & STS AVES, ALLEYS VAC 326R617 |
| 018010298400 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 13TH ST BL 3 & STS, AVES, ALLEYS, VAC 326R617:310-529 |
| 018010470200 | 519/329 | LAKEHEAD PIPELINE CO LTD | MCBEAN BLKS W 15T ST FR LOT 177 THRU FR LOT 183 ODD NOS INCL BL 11 W 15TH ST, & STS, AVES, ALLEYS VAC 326R617:311-239 |

| | | | |
|--------------|---|-------------------------------------|---|
| 018010374600 | 519/329 | LAKEHEAD PIPELINE CO LTD | SUB DIV OF BL 4 W 11TH ST LOT 33 THRU LOT 63 ODD NO'S INCL & STS, AVES, ALLEY VAC 326R617 |
| 018010305900 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 15TH ST BL 1 & STS, AVES, ALLEYS VAC 326R617 |
| 018010465800 | 519/329 | LAKEHEAD PIPELINE CO LTD | MCBEAN BLKS W 13TH ST LOT 161 THRU 175 ODD NOS INCL & STS, AVES, ALLEYS VAC 326R617 |
| 018010468400 | 519/329 | LAKEHEAD PIPELINE CO LTD | MCBEAN BLKS W 15TH ST LOT 2,4,14 & 16 & STS, AVES, ALLEYS VAC 326R617 311-302 |
| 018010316300 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 17TH ST S 1/2 BL 2 297-84 & 507-603 |
| 018010388000 | 519/329 & 542/154 | LAKEHEAD PIPELINE CO LTD | SUB DIV OF BL 6 W 15TH ST LOT 75 W 16TH ST & STS, AVES, ALLEYS VAC 326R617 |
| 018010389100 | 519/329 | LAKEHEAD PIPELINE CO LTD | SUBDIV OF BL 8 W 15TH ST LOTS 98 THRU 128, EVEN #S INCL STS, AVES, ALLEYS VAC 326R617 |
| 018010369400 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP E 21ST ST E 1/2 BL 4 |
| 018010367800 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP E 19TH ST E 1/2 BL 3 & E 1/2 BL 4 |
| 018010377000 | 519/329 | LAKEHEAD PIPELINE CO LTD | SUB DIV OF BL 10, W 11TH ST LOTS 142 THRU 160 EVEN NO'S, & STS, AVES, ALLEYS VAC. 326R617 & #802021. 329-400 |
| 018010472000 | 507/603 | LAKEHEAD PIPELINE CO LTD | MCBEAN BLKS W 17TH ST LOTS 10 & 12 BL 1 W 16TH ST & STS, AVES, ALLEYS VAC 326R617 507-603 |
| 088080972300 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 33RD ST FR BL 12 & W 33RD ST VAC |
| 018010336600 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 25TH ST BLOCK 12 EXC STS & N 25TH & 26TH STS VAC & 26TH AVE E VACATED |
| 018010452200 | 519/329 | LAKEHEAD PIPELINE CO LTD | EUCLID PLACE, W 11TH ST LOTS 133,135,137 & 139, W 11TH ST, AND ALLEY & W 11TH ST VACATED. 310-484 |
| 018010328500 | 519/329 & 542/154 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 21ST ST BL 10 (EXC R/W) LYING S OF R/W, & W 22ND ST VACATED |
| 018010332000 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 23RD ST W 1/2 BL 9 & 26TH AVE E VAC & E 22ND ST VACATED |
| 018010317200 | 519/329 & 542/154 & 507/603 & 832371 | ENBRIDGE ENERGY LIMITED PARTNERSHIP | TOWNSITE OF SUPERIOR W 17TH ST, BLKS 3, 4, 5 & 6; AND MCBEAN BLOCKS W 17TH ST, LOTS 34 THROUGH 64 EVEN #S, AND VACATED STREETS, AVENUES & ALLEY (INCLUDES FORMER PARCELS 1-03166, 1-03167, 1-03169, 1-03171, 1-03174, 1-03176, 1-04757, 1-04758) |
| 018010513100 | 519/329 | LAKEHEAD PIPELINE CO LTD | COMMENCING AT CENTER OF SEC 36 T49N R14W THENCE E'LY 33' ON E & W C/L OF SEC 36 WHICH IS POINT OF BEGINNING, THENCE N. A DISTANCE OF 1217.53', THENCE NE'LY AT AN ANGLE OF 48 DEG 36 MIN FROM N TO E. A DIST. OF 1103.94', THENCE E'LY AT AN ANGLE OF 82 DEG |
| 18010366700 | 738709 & 776396 | RAINY RIVER ENERGY CORPORATION | |
| 88081004401 | 96/604 & 489/643 (220/49 for reference) | CITY OF SUPERIOR | |

DOCUMENT NO.

STATE BAR OF WISCONSIN FORM 3 - 1982
QUIT CLAIM DEED

THIS SPACE RESERVED FOR RECORDING DATA

633486

Dome Petroleum Corp., a North Dakota corporation, a/k/a Dome Petroleum Corporation
Production Company, a Delaware corporation, and Amoco

quit-claims to Lakehead Pipe Line Company, Inc., a Delaware corporation

the following described real estate in Douglas County, State of Wisconsin:

OFFICE OF REGISTER OF DEEDS
DOUGLAS COUNTY WISCONSIN

Received for record this

FEB 28 1991 at 3:00

o'clock P. M. and recorded
in Volume 507 of
records on page 603

REGISTER

RETURN TO Ken McKenna
Lakehead Pipe Line Company, Inc.
119 N. 25th Street East
Superior, WI 54880
\$17.40 paid

Tax Parcel No:

SEE LEGAL DESCRIPTION ON ATTACHED EXHIBIT A

TRANSFER

\$6.00

FEE

This is not homestead property.
(is not)

Dated this 20th day of February, 1991
DOME PETROLEUM CORP.
AMOCO PRODUCTION COMPANY

By: *[Signature]* (SEAL)
Eliko Baraniuk, Vice President

By: *[Signature]* (SEAL)
T. Don Stacy, Vice President

Attest: *[Signature]* (SEAL)
A.G. Kruse, Assistant Secretary

Attest: *[Signature]* (SEAL)
Assistant Secretary

[CORPORATE SEAL]

[CORPORATE SEAL]

AUGMENTATION

ACKNOWLEDGMENT
STATE OF WISCONSIN

Signature(s)

County

authenticated this day of, 1991

Personally came before me this day of
1991 the above named

TITLE: MEMBER STATE BAR OF WISCONSIN

(If not authorized by § 706.06, Wis. Stats.)

to me known to be the person who executed the foregoing instrument and acknowledge the same.

THIS INSTRUMENT WAS DRAFTED BY

Attorney Harvey L. Temkin of

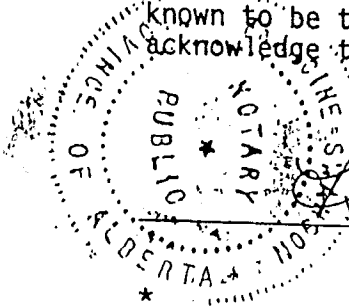
Foley & Lardner

(Signatures may be authenticated or acknowledged. Both are not necessary.)

Notary Public
My Commission is permanent. (If not, state expiration date)

ACKNOWLEDGEMENT

Personally came before me this 15th day of February, 1991 the above named E.M. Baraniuk and A.G. Kruse to me known to be the Vice President and Assistant Secretary, respectively, of Dome Petroleum Corp. and to me known to be the persons who executed the foregoing instrument and acknowledge the same.



Sw

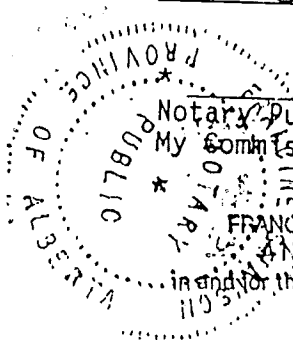
Notary Public, Province of Alberta, Canada
My Commission does not expire.

FRANCINE SWANSON
A Notary Public
in and for the Province of Alberta

ACKNOWLEDGEMENT

Personally came before me this 15th day of February, 1991 the above named T. Don Stacy to me known to be the Vice President of Amoco Production Company and to me known to be the person who executed the foregoing instrument and acknowledge the same.

TSW



Notary Public, Province of Alberta, Canada
My Commission does not expire.

FRANCINE SWANSON
Notary Public
in and for the Province of Alberta

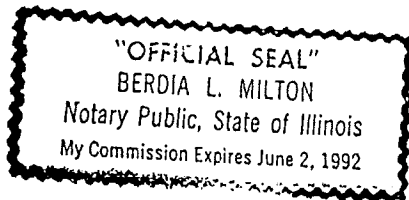
ACKNOWLEDGEMENT

Personally came before me this 20th day of February, 1991 the above named Jerry M. Gros to me known to be the Assistant Secty of Amoco Production Company and to me known to be the person who executed the foregoing instrument and acknowledge the same.

Berdia L. Milton

* Berdia L. Milton
Notary Public, Cook County, Illinois
My Commission is/expires

6/2/92



LEGAL DESCRIPTION

The following Blocks on West Seventeenth Street, in the Townsite of Superior, in the City of Superior, Douglas County, Wisconsin: Block One (1), including any vacated adjoining streets and alleys, except all of the McBean blocks subdivisions of North Half of West Half of East Half ($N\frac{1}{2}$ of $W\frac{1}{2}$ of $E\frac{1}{2}$) and South Half of East Quarter ($S\frac{1}{4}$ of $E\frac{1}{4}$); and Block Two (2), including any vacated adjoining streets and alleys, except all of the McBean Blocks subdivision of Northeast Quarter ($NE\frac{1}{4}$) and the Southerly 50.1 feet; and

The Easterly 100.0 feet of Block Three (3), including any vacated adjoining streets and alleys; and

The Easterly 100 feet of the Southerly Half ($S\frac{1}{2}$) of Block Four (4), including any vacated adjoining streets and alleys, except the Southerly 50.1 feet; and

The following Lots in McBean Blocks, being a subdivision of various blocks on West Seventeenth Street, Townsite of Superior, in the City of Superior, Douglas County, Wisconsin:

Lots Ten (10), Twelve (12), Fourteen (14) and Sixteen (16), Subdivision of North Half of West Half of East Half ($N\frac{1}{2}$ of $W\frac{1}{2}$ of $E\frac{1}{2}$), Block One (1), including any vacated adjoining streets and alleys; and

Lots One (1), Three (3), Five (5) and Seven (7), Subdivision of South half of East Quarter ($S\frac{1}{4}$ of $E\frac{1}{4}$), Block One (1), including any vacated adjoining streets and alleys; and

Lots Two (2), Four (4), Six (6), Eight (8), Ten (10), Twelve (12), Fourteen (14) and Sixteen (16), Subdivision of Northeast Quarter ($NE\frac{1}{4}$), Block Two (2), including any vacated adjoining streets and alleys; and

Lots Thirty Four (34), Thirty Six (36), Thirty Eight (38) and Forty (40), Subdivision of North Half ($N\frac{1}{2}$), Block four (4), including any vacated adjoining streets and alleys.

832371

RECORDING REQUESTED BY AND WHEN RECORDED RETURN TO:

~~Elizabeth S. Yordanoff, Esq.
BP America Inc.
4101 Winfield Road, 5th Floor
Waukegan, IL 60055~~

Northwest Land Title, Inc.
PO Box 520
Militown, WI 54858

DOCUMENT # 832371

Certified, Filed and or Recorded on
Feb. 04, 2010 AT 08:00AM
GAYLE I. WARNER
DOUGLAS COUNTY RECORDER
SUPERIOR, WI 54880-2769
Fee Amount: \$15.00
Transfer Fee: \$225.00

Parcel No. 01-801-03287-00
01-801-03169-00
01-801-04758-00
01-801-03158-00
01-801-03176-00
01-801-03171-00
01-801-03167-00

3280M

**QUITCLAIM DEED
(WITHOUT WARRANTIES)**

Superior, WI

Return To:
Enbridge
Attn: Mark Olson
119 N. 25th St E
Superior - WI 54880

STATE OF WISCONSIN §
§
COUNTY OF DOUGLAS §

KNOW ALL MEN BY THESE PRESENTS:

15/ck

That the undersigned, **DOMESTIC PETROLEUM CORPORATION**, a North Dakota corporation a/k/a Dome Petroleum and **BP AMERICA PRODUCTION COMPANY**, a Delaware corporation f/k/a Amoco Production Company, as to each an undivided one half tenant-in-common interest, with an office located at 240-4th Avenue SW, Calgary, Alberta T2P 2H8 ("Grantor"), for and in consideration of the sum of Ten and No/100 Dollars (\$10.00) and other good and valuable consideration in hand paid by **ENBRIDGE ENERGY, LIMITED PARTNERSHIP**, a Delaware limited partnership with an office at 119 N. 25th Street East, Superior, Wisconsin 54880 ("Grantee"), has granted, sold and conveyed, and by these presents does grant, sell and convey unto Grantee, all of Grantor's right, title, and interest in and to that real property located in Douglas County, Wisconsin, which is more particularly described on Exhibit A attached hereto and made a part hereof for all purposes, together with all (and singular) of Grantor's right, title and interest in and to all rights, easements and appurtenances belonging or appertaining thereto, and any buildings, other improvements and fixtures attached thereon, if any (collectively called the "Property"), subject to any and all matters of sight and record.

TO HAVE AND TO HOLD the Property unto Grantee and Grantee's heirs, successors, and assigns forever. This conveyance is made without warranty, express or implied.

[remainder of page intentionally left blank]

832371

IN WITNESS WHEREOF, Grantor has executed this Quitclaim Deed (Without Warranties) this 21st day of January, 2010.

GRANTORS

DOME PETROLEUM CORPORATION

By: Jane E. Klewin
Name: Jane E. Klewin
Its: Vice President

and

BP AMERICA PRODUCTION COMPANY

By: Jane E. Klewin
Name: Jane E. Klewin
Its: Vice President

Grantee's Address:

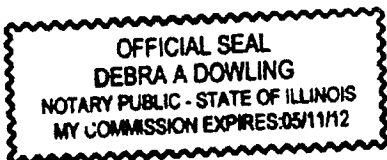
ENBRIDGE ENERGY, LIMITED PARTNERSHIP
119 n. 25TH Street East
Superior, WI 54880

STATE OF ILLINOIS §
 §
COUNTY OF DUPAGE §

This instrument was acknowledged before me this 21st day of January, 2010 by Jane E. Klewin, the individual known to me or proven to me to be the individual referred to above on behalf of DOME PETROLEUM CORPORATION and BP AMERICA PRODUCTION COMPANY.

(SEAL)

Debra A. Dowling
Debra A. Dowling
Notary Public in and for the State of Illinois



832371

EXHIBIT "A"
LEGAL DESCRIPTION

Block 3, West 17th Street, Townsite of Superior and the vacated public ways appurtenant thereto, except the East 100 feet thereof; all in the City of Superior, Douglas County, Wisconsin.

Together with the Northeasterly 78 feet of the South half of Block 4, West 17th Street, Townsite of Superior,

Except the Southeasterly 100 feet thereof, together with the vacated public ways appurtenant thereto; all in the City of Superior, Douglas County, Wisconsin.

Together with Lots 42 thru 64, even number only, in the Subdivision of the North half of Block 4, West 17th Street, McBean Blocks, together with the vacated public ways appurtenant thereto; all in the City of Superior, Douglas County, Wisconsin.

Together with Block 5, West 17th Street and the vacated public ways appurtenant thereto; Townsite of Superior, Douglas County, Wisconsin.

Together with the Northeasterly half of Block 6, West 17th Street, Townsite of Superior, together with the vacated public ways appurtenant thereto; and the Northeasterly 78 feet of the South half of Block 6, West 17th Street; Town of Superior, together with the vacated public ways appurtenant thereto; all in the City of Superior, Douglas County, Wisconsin.

Together with all those parts of vacated 28th Avenue East, Townsite of Superior lying between the centerlines of Vacated West 16th Street and West 18th Street, City of Superior, Douglas County, Wisconsin.

Subject to existing easement.

793535

Document Number

STATE BAR OF WISCONSIN FORM 1-1998
WARRANTY DEED

DOCUMENT # 793535

This Deed, made between Robert J. Doolittle and Lisa Doolittle, his wife, Michael G. Doolittle and Nancy A. Doolittle, his wife, Richard A. Doolittle and Robin R. Doolittle, his wife, Steven T. Doolittle, Cynthia L. Miller and Steven Miller, her husband, Patrick J. Doolittle and Polly A. Doolittle, his wife, Debra S. Larson and Jeff Larson, her husband, Scott A. Doolittle and Melissa Doolittle, his wife, Thomas C. Doolittle, Danny L. Doolittle and Melissa Doolittle, his wife, as joint tenants ("Grantor") and Enbridge Energy Limited Partnership ("Grantee").

Certified, Filed and or Recorded on
FEB. 22, 2006 AT 01:50:00PM
KATHY F. HANSON
DOUGLAS COUNTY RECORDER
SUPERIOR, WI 54880-2769
Fee Amount: \$23.00
Transfer Fee: \$450.00

Grantor, for a valuable consideration, conveys to Grantee the following described real estate in Douglas County, State of Wisconsin (the "Property"):

Name and Return Address
Mike Harris
Enbridge Energy
119 N. 25th Street E.
Superior, WI 54880 *DCA 23ck*

~~01-801-04521-00; 01-801-04526-00;~~

~~01-801-04527-00~~

Parcel Identification Number (PIN)

This is not homestead property.
(is)(is not)

Lots 141, 142, 143 and 144, Euclid Place, being a subdivision of a part of Block 9, West Eleventh Street, in the City of Superior, Douglas County, Wisconsin.

Together with all appurtenant rights, title and interests.

Grantor warrants that the title to the Property is good, indefeasible in fee simple and free and clear of encumbrances except Municipal and zoning ordinances and agreements entered under them, recorded easements for the distribution of utility and municipal services, recorded building and use restrictions and covenants, general taxes levied in the year of closing.

Dated this 18 day of February, 2006.

Robert J. Doolittle (SEAL)
ROBERT J. DOOLITTLE

_____ (SEAL)

Cynthia L. Miller (SEAL)

_____ (SEAL)

AUTHENTICATION

ACKNOWLEDGMENT

Signature(s) _____

State of Wisconsin,

DOUGLAS County.

ss.

authenticated this day of,

Personally came before me this 18th day of February, 2006, the above named ROBERT J. DOOLITTLE to me known to be the person(s) who executed the foregoing instrument and acknowledged the same.

*
TITLE: MEMBER STATE BAR OF WISCONSIN
(If not, _____
authorized by § 706.06, Wis. Stats.)

Kathy F. Hanson
Notary Public, State of Wisconsin

My Commission is permanent. (If not, state expiration date)

THIS INSTRUMENT WAS DRAFTED BY
ROBERT J. DOOLITTLE

6-17-07

(Signatures may be authenticated or acknowledged. Both are not necessary.)

Richard A. Doolittle
RICHARD A. DOOLITTLE

STATE OF WISCONSIN)
) ss.
COUNTY OF DOUGLAS)

Personally came before me this 18 day of FEBRUARY, 2006, the above-named RICHARD A. DOOLITTLE, to me known to be the person(s) who executed the foregoing instrument and acknowledged the same.

[Signature]
Notary Public, State of Wisconsin
My commission expires: 6-17-07

Robin R. Doolittle
ROBIN R. DOOLITTLE

STATE OF WISCONSIN)
) ss.
COUNTY OF DOUGLAS)

Personally came before me this 18 day of FEBRUARY, 2006, the above-named ROBIN R. DOOLITTLE, to me known to be the person(s) who executed the foregoing instrument and acknowledged the same.

[Signature]
Notary Public, State of Wisconsin
My commission expires: 6-17-07

Steven T. Doolittle
STEVEN T. DOOLITTLE

STATE OF WISCONSIN)
) ss.
COUNTY OF DOUGLAS)

Personally came before me this 18 day of FEBRUARY, 2006, the above-named STEVEN T. DOOLITTLE, to me known to be the person(s) who executed the foregoing instrument and acknowledged the same.

[Signature]
Notary Public, State of Wisconsin
My commission expires: 6-17-07

Scott A. Doolittle
SCOTT A. DOOLITTLE

STATE OF WISCONSIN)
) ss.
COUNTY OF DOUGLAS)

Personally came before me this 18 day of FEBRUARY, 2006, the above-named SCOTT A. DOOLITTLE, to me known to be the person(s) who executed the foregoing instrument and acknowledged the same.

[Signature]
Notary Public, State of Wisconsin
My commission expires: 6-17-07

Melissa Doolittle
MELISSA DOOLITTLE

STATE OF WISCONSIN)
) ss.
COUNTY OF DOUGLAS)

Personally came before me this 18 day of FEBRUARY, 2006, the above-named MELISSA DOOLITTLE, to me known to be the person(s) who executed the foregoing instrument and acknowledged the same.

[Signature]
Notary Public, State of Wisconsin
My commission expires: 6-17-07

Thomas C. Doolittle
THOMAS C. DOOLITTLE

STATE OF WISCONSIN)
) ss.
COUNTY OF DOUGLAS)

Personally came before me this 18 day of FEBRUARY, 2006, the above-named THOMAS C. DOOLITTLE, to me known to be the person(s) who executed the foregoing instrument and acknowledged the same.

[Signature]
Notary Public, State of Wisconsin
My commission expires: 6-17-07

Polly A. Doolittle
POLLY A. DOOLITTLE

STATE OF WISCONSIN)
) ss.
COUNTY OF DOUGLAS)

Personally came before me this 18 day of FEBRUARY, 2006, the above-named POLLY A. DOOLITTLE, to me known to be the person(s) who executed the foregoing instrument and acknowledged the same.

[Signature]
Notary Public, State of Wisconsin
My commission expires: 6-17-07

Debra S. Larson
DEBRA S. LARSON

STATE OF WISCONSIN)
) ss.
COUNTY OF DOUGLAS)

Personally came before me this 18 day of FEBRUARY, 2006, the above-named DEBRA S. LARSON, to me known to be the person(s) who executed the foregoing instrument and acknowledged the same.

[Signature]
Notary Public, State of Wisconsin
My commission expires: 6-17-07

Jeff Larson
JEFF LARSON

STATE OF WISCONSIN)
) ss.
COUNTY OF DOUGLAS)

Personally came before me this 18 day of FEBRUARY, 2006, the above-named JEFF LARSON, to me known to be the person(s) who executed the foregoing instrument and acknowledged the same.

[Signature]
Notary Public, State of Wisconsin
My commission expires: 6-17-07

Cynthia L Miller
CYNTHIA L. MILLER

STATE OF WISCONSIN)
) ss.
COUNTY OF DOUGLAS)

Personally came before me this 18 day of FEBRUARY, 2006, the above-named CYNTHIA L. MILLER, to me known to be the person(s) who executed the foregoing instrument and acknowledged the same.

[Signature]
Notary Public, State of Wisconsin
My commission expires: 6-17-07

[Signature]
STEVEN MILLER

STATE OF WISCONSIN)
) ss.
COUNTY OF DOUGLAS)

Personally came before me this 18 day of FEBRUARY, 2005, the above-named STEVEN MILLER, to me known to be the person(s) who executed the foregoing instrument and acknowledged the same.

[Signature]
Notary Public, State of Wisconsin
My commission expires: 6-17-07

[Signature]
PATRICK J. DOOLITTLE

STATE OF WISCONSIN)
) ss.
COUNTY OF DOUGLAS)

Personally came before me this 18 day of FEBRUARY, 2006, the above-named PATRICK J. DOOLITTLE, to me known to be the person(s) who executed the foregoing instrument and acknowledged the same.

[Signature]
Notary Public, State of Wisconsin
My commission expires: 6-17-07

Lisa Doolittle
LISA DOOLITTLE

STATE OF WISCONSIN)
) ss.
COUNTY OF DOUGLAS)

Personally came before me this 18 day of FEBRUARY, 2006, the above named LISA DOOLITTLE, to me known to be the person(s) who executed the foregoing instrument and acknowledged the same.

[Signature]
Notary Public, State of Wisconsin
My commission expires: 6-17-07

Michael G. Doolittle
MICHAEL G. DOOLITTLE

STATE OF WISCONSIN)
) ss.
COUNTY OF DOUGLAS)

Personally came before me this 18 day of FEBRUARY, 2006, the above named MICHAEL G. DOOLITTLE, to me known to be the person(s) who executed the foregoing instrument and acknowledged the same.

[Signature]
Notary Public, State of Wisconsin
My commission expires: 6-17-07

Nancy A. Doolittle
NANCY A. DOOLITTLE

STATE OF WISCONSIN)
) ss.
COUNTY OF DOUGLAS)

Personally came before me this 18 day of FEBRUARY, 2006, the above named NANCY A. DOOLITTLE, to me known to be the person(s) who executed the foregoing instrument and acknowledged the same.

[Signature]
Notary Public, State of Wisconsin
My commission expires: 6-17-07

Document No.
650583

CORRECTION QUITCLAIM DEED

THIS INDENTURE WITNESSETH: That BURLINGTON NORTHERN RAILROAD COMPANY (formerly named Burlington Northern Inc.), a Delaware corporation, Grantor, hereby QUITCLAIMS, without any covenants of warranty whatsoever and without recourse to the Grantor, its successors and assigns, to LAKEHEAD PIPE LINE COMPANY, INC, a Delaware corporation, of 119 North 25th Street East, Superior, Wisconsin 54880-0789, Grantee, for Ten and No/100 Dollars (\$10.00) and other good and valuable consideration, all its right, title and interest, if any, in and to that certain tract of land located in the County of Douglas, State of Wisconsin, being more particularly described on Exhibit "A", attached hereto and made a part hereof.

This deed is given to correct paragraph 1 of Page 1 of Exhibit "A" of Quitclaim Deed between the Grantor and Grantee, dated December 20, 1989 and recorded on January 17, 1990 as document number 625232 in volume 493 of records, page 635, and Correction Quitclaim Deed dated February 13, 1990 and recorded on February 21, 1990, in Volume 494 of records on Page 498, in the records of said Douglas County; whereas Block 10 on West 21st Street in the City of Superior, Douglas County, Wisconsin was omitted.

SUBJECT, however, to all existing interests, including but not limited to all reservations, rights-of-way and easements of record or otherwise.

TO HAVE AND TO HOLD the same unto the said Grantee, its successors and assigns, forever.

IN WITNESS WHEREOF, the said Grantor has caused this instrument to be signed by its Director, Title Services & Field Support, attested by its Assistant Secretary, and its corporate seal to be affixed on the 13th day of JANUARY, 1993.

650583

OFFICE OF REGISTER OF DEEDS
DOUGLAS COUNTY WISCONSIN

Received for record this

JAN 21 1993 at 2:00

o'clock P. M. and recorded
in Volume . . . 542 . . . of
records on page . . . 154

David P. Howard . . . REGISTER

VOL 542 PAGE 154

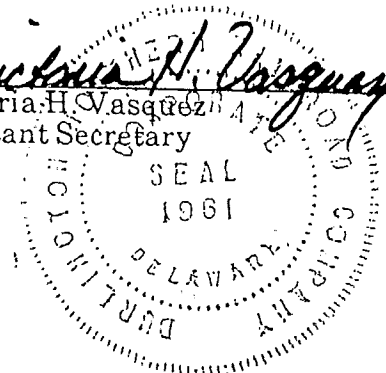
BN 1543-01 Superior, WI

BURLINGTON NORTHERN
RAILROAD COMPANY

BY *D. P. Schneider*
D. P. Schneider, Director
Title Services & Field Support

ATTEST:

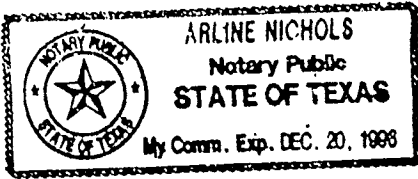
BY *Victoria H. Vasquez*
Victoria H. Vasquez
Assistant Secretary



STATE OF TEXAS)
COUNTY OF TARRANT) ss.

On this 13th day of January, 1993, before me personally came D. P. Schneider, Director, Title Services & Field Support, and Victoria H. Vasquez, Assistant Secretary, of the above named corporation, Burlington Northern Railroad Company, who are to me known to be such Director, Title Services & Field Support and Assistant Secretary of said corporation and acknowledged that they executed the foregoing instrument as such officers and as the free act and deed of said corporation by its authority.

Arline Nichols
Notary Public.



My commission expires: 12/20/96

This instrument was drafted by:
Burlington Northern Railroad Company
Title Services & Field Support
3300 Continental Plaza
777 Main Street
Fort Worth, Texas 76102

BN 1543-1 SUPERIOR, WI

EXHIBIT "A"

To Correction Quitclaim Deed from
Burlington Northern Railroad Company to
Lakehead Pipe Line Company, Inc.
Pages 1 thru 3

DZW
All that portion of Burlington Northern Railroad Company's (formerly Northern Pacific Railway Company) 100.0 foot wide Ore Dock right-of-way being 50.0 feet wide on each side of said Railroad Company's Main Track centerline, as originally located and constructed upon, over and across Lots 2, 4 and 6, on West 9th Street; Lots 1, 3 and 5 on West 10th Street; Blocks 1 and 2 on West 11th Street; Block 1, Daisy Division; Block 2, Wortley's Subdivision; Block 4, Butler and McCabe's Subdivision; Subdivision of Block 6 on West 15th Street; Blocks 5, 6 and 8 on West 17th Street; Blocks 7 and 8 on West 19th Street; Blocks 9 and 10 on West 21st Street; Block 10 on West 19th Street; Block 11 on West 23rd Street; all being in the City of Superior, Douglas County, Wisconsin, according to the recorded plats thereof and bounded on the Westerly side by the Southwesterly margin of West 23rd Street and bounded on the Easterly side by the Southwesterly margin of West 9th Street;

ALSO

Lots 2, 4, 6 and 8 on West. 9th Street; Lots 1, 3, 5 and 7 on West 10th Street and the East half of Block 1 on West. 11th Street; all being in the City of Superior, County of Douglas, Wisconsin, according to the recorded plats thereof;

ALSO

All of Block 2 on West. 11th Street; Lots 10, 12, 14, 16, 18 through 32, Block 1, Daisy Division; Lot 32, Block 2, Wortley's Subdivision; E1/2 of Block 4 on West. 13th Street; All of Block 3 on West. 15th Street; Lots 62 through 64, Block 4, Butler & McCabe's Subdivision; Lots 65 through 69, 71, 73 and 75, Subdivision of Block 6 on West. 15th Street, all being in the City of Superior, Douglas County, Wisconsin, according to the recorded plats thereof;

ALSO

Vacated West. 12th Street; West. 13th Street; West. 14th Street; West. 15th Street; West. 16th Street; 30th (formerly Nelson) Avenue E.; 29th (formerly Breckenridge) Avenue E. and vacated alleys in Block 1, Daisy Division; Block 2, Wortley's Subdivision; Block 4, Butler and McCabe's Subdivision; Subdivision of Block 6 on West. 15th Street, all being in the City of Superior, Douglas County, Wisconsin, vacated by that certain City of Superior Resolution No. 9805 adopted November 6, 1973; described as follows:

IZEW

Beginning at the Southeasterly corner of Block 2 on West. 11th Street and 31st (formerly Robertson) Avenue E.; thence Southwesterly along the Northwesterly margin of said 31st Avenue E. to the centerline of West. 12th Street; thence Northwesterly along said centerline of said West. 12th Street to a point of intersection with the Northeasterly extension of the Southeasterly line of Lot 10, Block 1, Daisy Division; thence Southwesterly along said Southeasterly line of said Lot 10 to the centerline of the alley in said Block 1; thence Northwesterly along said alley centerline to a point of intersection with the Northeasterly extension of the Southeasterly line of Lot 19 in said Block 1; thence Southwesterly along said Southeasterly line of said Lot 19 to the centerline of West 13th Street; thence Northwesterly along said centerline of said West 13th Street to a point of intersection with the Northeasterly extension of the Southeasterly line of Lot 32, Block 2, Wortley's Subdivision; thence Southwesterly along said Southeasterly line of said Lot 32 to the centerline of the alley in said Block 2; thence Northwesterly along said alley centerline extended to a point of intersection with the centerline of 30th (formerly Nelson) Avenue E.; thence Southwesterly along said centerline of 30th Avenue E. to a point of intersection with the centerline of West 15th Street; thence Northwesterly along said centerline of West. 15th Street to a point of intersection with the Northeasterly extension of the Southeasterly line of Lot 62, Block 4, Butler and McCabe's Subdivision; thence Southwesterly along said Southeasterly line of said Lot 62 to the centerline of the alley in said Block 4; thence Northwesterly along said alley centerline to a point of intersection with the Northeasterly extension of the Southeasterly line of Lot 63, said Block 4; thence Southwesterly along said

SEW
Southeasterly line of said Lot 63 to the centerline of West 16th Street; thence
Northwesterly along said centerline of West 16th Street to a point of intersection
with the Northeasterly extension of the Northwesterly margin of 29th (formerly
Breckenridge) Avenue E.; thence Southwesterly to the Southwesterly margin of
West 16th Street, also being the Southeast corner of Block 5 on West 17th Street;
thence Northwesterly along said Southwesterly margin of said West 16th Street to a
point distant 50.0 feet Northwesterly measured at right angles to Railroad's Main
Track centerline; thence Northeasterly parallel to said Main Track centerline to a
point of intersection with the centerline of said West 16th Street; thence
Southeasterly along said centerline of said West 16th Street to the Southwesterly
extension of the Northwesterly line of Lot 75, Block 6 on West 16th Street; thence
Northeasterly along said Northwesterly line of said Lot 75 to the centerline of the
alley in said Block 6; thence Southeasterly along said alley centerline to a point of
intersection with the Southwesterly extension of the Northwesterly line of Lot 68,
Block 6; thence Northeasterly along said Northwesterly line of said Lot 68 to the
centerline of West 15th Street; thence Southeasterly along said centerline to the
centerline of 29th Avenue E.; thence Northeasterly along said centerline to the
centerline of West 14th Street; thence Southeasterly along said centerline to a point
of intersection with the Southwesterly extension of the Westerly line of the Easter
half of Block 4 on West 13th Street; thence Northeasterly along said Westerly line of
the East half of said Block 4 to the centerline of West 13th Street; thence
Southeasterly along said centerline to the centerline of said 30th Avenue E.; thence
Northeasterly along said centerline to the Southwesterly margin of W. 11th Street;
thence Southeasterly along said margin of West 11th Street to the Point of
Beginning, being the Southeasterly corner of said Block 2;

ALSO

The Grantor further Quitclaims and releases all interest in West 17th Street;
West 18th Street; West 19th Street; West 20th Street; West 21st Street; West
22nd Street; West 23rd Street; 26th (formerly Baker) Avenue E.; 27th (formerly
Walker) Avenue E.; and 28th (formerly Richardson) Avenue E., all in the City of
Superior, County of Douglas, Wisconsin, according to the recorded plats thereof.

OFFICE OF REGISTER OF DEEDS
DOUGLAS COUNTY, WISCONSIN
Received for record this 18th
day of DECEMBER A.D. 19 91
at 12:45 o'clock P. M. and
recorded in Volume 519
RECORDS on page 329
Julie P. Horward REGISTER

Vol 519 PAGE 329

639954

STATE OF WISCONSIN
COUNTY OF DOUGLAS

CONVEYANCE, ASSIGNMENT AND BILL OF SALE

KNOW ALL MEN BY THESE PRESENTS:

This Conveyance, Assignment and Bill of Sale (this "Conveyance") is from Lakehead Pipe Line Company, Inc., a Delaware corporation, with its general office at 119 North 25th Street East, Superior, Wisconsin 54880-0789 and whose mailing address is P.O. Box 789, Superior, Wisconsin 54880-0789 (herein called "Grantor"), and in favor of Lakehead Pipe Line Company, Limited Partnership, a Delaware limited partnership, with its general office at 119 North 25th Street East, Superior, Wisconsin 54880-0789 and whose mailing address is P.O. Box 789, Superior, Wisconsin 54880-0789 (herein called "Grantee").

PART I

GRANTING AND HABENDUM CLAUSES

1.1 Granting and Habendum Clauses.

For good and valuable consideration, the receipt and sufficiency of which Grantor hereby acknowledges, Grantor hereby grants, conveys, bargains, sells, assigns, transfers, delivers, and sets over unto Grantee, its successors and assigns, all right, title, interest and estate of Grantor in and to the following described property, to wit:

(a) Fee Lands. The fee owned tracts or parcels of land, if any, described in Exhibit A hereto, together with all pipelines, buildings, structures, improvements, equipment, appurtenances and fixtures of every kind or nature located on said tracts or parcels of land, including, without limitation, all stations, substations, pumping stations, metering stations, meter houses, regulator houses, ponds, tanks, scrapers and scraper traps, fittings, valves, connections, cathodic or electric protection units, bypasses, regulators, drips, meters, pumps, engines, pipes, gates, telephone and telegraph lines, electric power lines, poles, wires, casings, radio towers and fixtures, and terminals located on said lands (collectively, the "Fee Lands" and singularly, the "Fee Land");

(b) Easements. All easements, rights-of-way, servitudes, leases, surface rights, interests in land, permits, licenses and grants, and all amendments to each thereof, including, without limitation, those described in Exhibit B hereto, together with all prescriptive rights and all franchises, privileges, permits, grants, leases and consents in favor of Grantor, or Grantor's predecessors-in-title, in, on, over, under or adjacent to lands, roads, highways, railroads, rivers, canals, ditches, drains, bridges, state and national parks, forests, reservations and wilderness areas, public grounds or structures, or elsewhere, and all rights incident thereto, rights under condemnation judgments, judgments on

TRANSFER
\$ 43,851.30
FEE

declaration of taking, and permits and grants for the installation, maintenance, repair, removal and operation of the Pipelines (as hereinafter defined) (collectively, the "Easements" and singularly, the "Easement");

(c) Pipelines. The presently existing pipelines (i) owned by Grantor, and located in, on, over, under or adjacent to the property described in (a) and (b) above or (ii) used by Grantor in the operation of its pipeline business, together with all buildings, structures, improvements, equipment, and appurtenances of every kind or nature that are a part of, affixed to or used in connection therewith, including, without limitation, all stations, substations, pumping stations, metering stations, meter houses, ponds, regulator houses, tanks, scrapers and scraper traps, fittings, valves, connections, cathodic or electric protection units, bypasses, regulators, drips, meters, pumps, engines, pipes, gates, telephone and telegraph lines, poles, wires, casings and fixtures, headers, aerial suspension river crossings, appliances, electric power lines, radio towers, terminals, and all appurtenances and fixtures of every kind or nature whatsoever forming a part of said pipelines (collectively, together with additions or replacements, the "Pipelines" and singularly, the "Pipeline"); and

(d) Other Interests. With respect to the Fee Lands, the Easements and the Pipelines, all and singular the tenements, hereditaments and appurtenances belonging or in any wise appertaining thereto, or any part thereof, including, without limitation, all riparian rights, reversionary interests, reversions and remainders thereof, and all the right, title, interest, estate and claim whatsoever, at law as well as in equity, of Grantor in and to the above-described property.

(The property described in Section 1.1 shall be referred to herein as the "Subject Property").

TO HAVE AND TO HOLD the Subject Property, subject to the terms, conditions and reservations hereof, unto Grantee, its successors and assigns, forever.

PART II

PERMITTED ENCUMBRANCES; OTHER TERMS AND CONDITIONS

2.1 Permitted Encumbrances.

This Conveyance is made and accepted expressly subject to (i) the terms and conditions set forth in the conveyances, assignments, bills of sale and other instruments described in Exhibit A and Exhibit B and to all recorded and unrecorded liens, encumbrances, agreements, defects, restrictions, adverse claims and all laws, rules, regulations, ordinances, judgments and orders of governmental authorities or tribunals having or asserting jurisdiction over the Subject Property or the business and operations conducted thereon, in each case to the extent the same are valid, enforceable and affect the Subject Property; (ii) all matters that a current survey or visual inspection would reflect; and (iii) the Contribution Agreement (defined in Section 2.2) (collectively, the "Permitted Encumbrances").

519 331

2.2 Contribution Agreement.

This Conveyance is expressly made subject to the terms and conditions of that certain Contribution, Conveyance and Assumption Agreement dated as of December 27, 1991, between Grantor, Grantee and Lakehead Pipe Line Partners, L.P., a Delaware limited partnership.

2.3 Disclaimer of Warranties; Subrogation.

(a) GRANTOR IS CONVEYING THE SUBJECT PROPERTY "AS IS" WITHOUT REPRESENTATION OR WARRANTY, WHETHER EXPRESS, IMPLIED OR STATUTORY (ALL OF WHICH GRANTOR HEREBY DISCLAIMS), AS TO (i) TITLE, (ii) FITNESS FOR ANY PARTICULAR PURPOSE OR MERCHANTABILITY OR DESIGN OR QUALITY, OR (iii) ANY OTHER MATTER WHATSOEVER. THE PROVISIONS OF THIS SECTION HAVE BEEN NEGOTIATED BY GRANTEE AND GRANTOR AFTER DUE CONSIDERATION AND ARE INTENDED TO BE A COMPLETE EXCLUSION AND NEGATION OF ANY REPRESENTATIONS OR WARRANTIES OF GRANTOR, WHETHER EXPRESS, IMPLIED OR STATUTORY, WITH RESPECT TO THE SUBJECT PROPERTY THAT MAY ARISE PURSUANT TO ANY LAW NOW OR HEREAFTER IN EFFECT, OR OTHERWISE, EXCEPT AS EXPRESSLY SET FORTH HEREIN.

(b) This Conveyance is made with full rights of substitution and subrogation of Grantee and all persons claiming by, through, and under Grantee, to the extent assignable, in and to all covenants and warranties by the predecessors-in-title of Grantor, and with full subrogation of all rights accruing under applicable statutes of limitation and all rights of action of warranty against all former owners of the Subject Property.

(c) Grantee agrees that the disclaimers contained in this section are "conspicuous" disclaimers. Any covenants implied by statute or law by the use of the words "grant", "convey", "bargain", "sell", "assign", "transfer", "deliver" or "set over" or any of them or any other words used in this Conveyance are hereby expressly disclaimed, waived and negated.

PART III

MISCELLANEOUS

3.1 Further Assurances.

Grantor agrees to take all such further actions and to execute, acknowledge and deliver all such further documents as are necessary or appropriate in carrying out the purposes of this Conveyance. Grantor agrees to execute, acknowledge and deliver to Grantee all such other additional instruments, notices, and other documents and to do all such other and further acts and things as may be

necessary or appropriate to more fully and effectively grant, convey, bargain, sell, assign, transfer and deliver and set over to Grantee the Subject Property.

3.2 Consents; Restriction on Assignment.

If there are prohibitions against or conditions to the conveyance of one or more portions of the Subject Property without the prior written consent of third parties, including, without limitation, governmental agencies (other than consents of a ministerial nature which are normally granted in the ordinary course of business), which if not satisfied would result in a breach of such prohibitions or conditions or would give an outside party the right to terminate Grantee's rights with respect to such portion of the Subject Property (herein called a "Restriction"), then any provision contained in this Conveyance to the contrary notwithstanding, the transfer of title to or interest in such portion of the Subject Property (herein called the "Restriction-Subject Property") pursuant to this Conveyance shall not become effective unless and until such Restriction is satisfied, waived or no longer applies. When and if such a Restriction is so satisfied, waived or no longer applies, to the extent permitted by applicable law and any applicable contractual provisions, the assignment of the Restriction-Subject Property subject thereto shall become effective automatically as of the date hereof, without further action on the part of Grantee or Grantor. If any such Restriction is not satisfied or waived within 21 years after the death of the last to die of all descendants of Joseph P. Kennedy, father of the late President of the United States of America, who are living on the date this Conveyance is executed, as reflected below, and such Restriction continues to apply, the transfer to Grantee of the Restriction-Subject Property, if any, affected by such Restriction shall be null and void. Grantor and Grantee agree to use their best efforts to obtain satisfaction of any Restriction. The description of any portion of the Subject Property as "Restriction-Subject Property" shall not be construed as an admission that any Restrictions exist with respect to the transfer of such portion of the Subject Property. In the event any Restriction-Subject Property exists, Grantor agrees to hold such Restriction-Subject Property in trust for the exclusive benefit of Grantee and to otherwise use its best efforts to provide Grantee with the benefits thereof.

3.3 Successors and Assigns; No Third Party Beneficiary.

This Conveyance shall be binding upon and inure to the benefit of Grantor and Grantee and their respective successors and assigns, but shall not inure to the benefit of or be enforceable by any other party.

3.4 Governing Law.

This Conveyance and the legal relations between the parties shall be governed by, and construed in accordance with, the laws of the State of Wisconsin, excluding any conflict of law rule which would refer any issue to the laws of another jurisdiction, except when it is mandatory that the law of the jurisdiction wherein the Subject Property is located shall apply.

3.5 The Exhibits.

Reference is made to Exhibit A and Exhibit B, which are attached hereto and made a part hereof for all purposes. Reference in the Exhibits to an instrument on file in the public records is made for all purposes, but shall not imply that such instrument is valid, binding or enforceable or affects any Subject Property nor creates any right, title, interest or claim in favor of any party other than Grantor and Grantee, respectively.

3.6 Headings.

Headings are included in this Conveyance for convenience and shall not define, limit, extend or describe the scope or intent of any provision.

3.7 Counterparts.

This Conveyance may be executed in multiple counterparts all of which taken together shall constitute a single agreement with the same force and effect as if all parties had signed the same copy of this agreement.

519 334

WITNESS THE EXECUTION HEREOF on the 8th day of
December, 1991.

GRANTOR:

Lakehead Pipe Line Company, Inc.,
a Delaware corporation

Attest:

By: Benny J. Phillips
Benny J. Phillips
Executive Vice President & Chief
Operating Officer

By: Jon E. Staudohar
Jon E. Staudohar
Secretary

(Corporate Seal)

GRANTEE:

Lakehead Pipe Line Company,
Limited Partnership,
a Delaware limited partnership

By: Lakehead Pipe Line Company, Inc., its
General Partner

Attest:

By: Benny J. Phillips
Benny J. Phillips
Executive Vice President & Chief
Operating Officer

By: Jon E. Staudohar
Jon E. Staudohar
Secretary

(Corporate Seal)

519 335

**Attachments: Exhibit A: Fee Lands
Exhibit B: Easements**

This instrument was prepared by:

**O'Banion Williams III
Attorney at Law
Andrews & Kurth L.L.P.
4200 Texas Commerce Tower
Houston, Texas 77002**

**Recording Requested by and
When Recorded Return To:**

**O'Banion Williams III
Attorney at Law
Andrews & Kurth L.L.P.
4200 Texas Commerce Tower
Houston, Texas 77002**

Mail Tax Statements to:

**George W. Maas
Manager Right-of-Way Claims & Tax
Lakehead Pipe Line Company, Inc.
119 North 25th Street East
P.O. Box 789
Superior, Wisconsin 54880-0789**

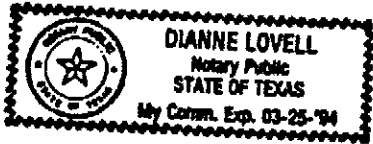
519 336

STATE OF TEXAS

COUNTY OF HARRIS

Before me, a Notary Public in and for said County and State, personally appeared Benny J. Phillips, the Executive Vice President & Chief Operating Officer, and Jon E. Staudohar, the Secretary of Lakehead Pipe Line Company, Inc., a Delaware corporation, who acknowledged the execution of the foregoing instrument for and on behalf of said corporation and who, having been duly sworn, stated that the representations contained therein are true.

WITNESS my hand and Notarial Seal this 17th day of December, 1991.



Dianne Lovell
Notary Public Residing in
Harris County, Texas

(printed signature)

My Commission Expires:

STATE OF TEXAS

COUNTY OF HARRIS

Before me, a Notary Public in and for said County and State, personally appeared Benny J. Phillips, the Executive Vice President & Chief Operating Officer, and Jon E. Staudohar, the Secretary of Lakehead Pipe Line Company, Inc., a Delaware corporation, as general partner of Lakehead Pipe Line Company, Limited Partnership, a Delaware limited partnership, who acknowledged the execution of the foregoing instrument for and on behalf of said corporation and who, having been duly sworn, stated that the representations contained therein are true.

WITNESS my hand and Notarial Seal this 17th day of December, 1991.



Dianne Lovell
Notary Public Residing in
Harris County, Texas

(printed signature)

My Commission Expires:

VOL 519 PAGE 337

Exhibit A

to

Conveyance, Assignment and Bill of Sale

from

Lakehead Pipe Line Company, Inc.

to

Lakehead Pipe Line Company, Limited Partnership

WI-DGL-325-A

Lots One (1) through Forty-eight (48), inclusive, Block One (1); Lots One (1) through Twelve (12), inclusive, and Lots Thirty-five (35) through Forty-six (46), inclusive, Block Two (2); all in the Plat of Steel Center Addition, in the City of Superior, Douglas County, Wisconsin; together with those vacated portions of Raspberry Avenue, Poughkeepsie Avenue, North Twenty-fifth Street and the East-West alleys in said Blocks 1 and 2, all bounded as follows:

on the West and South by the perimeter boundary of said Plat;
on the North by the southerly right of way of North Twenty-fourth Street, and the East and West extensions thereof;
on the East by the East lines of said Lot 12 and Lot 35 in Block 2, and the North-South extensions thereof.

WI-DGL-326

That part of the SE 1/4 - SW 1/4 of Section 24, Township 49 North, Range 14 West, City of Superior, Douglas County, Wisconsin, described as follows:

Commencing at the Southwest (SW) corner of said Section 24, thence N. 00 deg. - 04' - 42" W. along the West line of said Section 24, 80.00 feet to the North line of North 28th street extended; thence S. 89 deg. - 40' - 12" E. along the North line of North 28th street 1780.00 feet; thence N. 00 deg. - 04' - 42" W., 870.01 feet; thence S. 89 deg. - 44' - 18" E., 400.00 feet to the place of beginning; thence continuing S. 89 deg. - 44' - 18" E., 146.95 feet; thence N. 00 deg. - 20' 05" E., 35.00 feet to the centerline of platted North 25th street; thence N. 89 deg. - 44' - 18" W. along the centerline of platted North 25th street 147.20 feet; thence S. 00 deg. - 04' - 42" E., 35.00 feet to the place of beginning.

That part of the SE 1/4 - SW 1/4 of Section 24, Township 49 North, Range 14 West, City of Superior, Douglas County, Wisconsin, described as follows:

Commencing at the Southwest (SW) corner of said Section 24, thence N. 00 deg. - 04' - 42" W. along the West line of said Section 24, 80.00 feet to the North line of North 28th street extended; thence S. 89 deg. - 40' - 12" E. along the North line of North 28th street 1780.00 feet; thence N. 00 deg. - 04' - 42" W., 870.01 feet; thence S. 89 deg. - 44' - 18" E., 400.00 feet to the place of beginning; thence continuing S. 89 deg. - 44' - 18" E., 146.95 feet; thence S. 00 deg. - 20' - 05" W., 150.00 feet; thence N. 89 deg. - 44' - 18" W., 145.86 feet; thence N. 00 deg. 04' - 42" W., 150.00 feet to the place of beginning.

519 339

WI-DGL-327

That part of the SE 1/4 of SW 1/4, Section 24, Township 49 North, Range 14 West, Douglas County, Wisconsin, described as follows:

Commencing at the Southwest corner of said Section 24, thence N 0 deg. 04' 42" West, along the West line of said Section 24, a distance of 80.00 feet; thence South 89 deg. 40' 12" East a distance of 40.00 feet; thence continue South 89 deg. 40' 12" East along the North right of way line of North 28th Street, a distance of 1740.00 feet; thence North 0 deg. 04' 42" West a distance of 870.01 feet to the point of beginning and said point being 35.00 feet South of the platted centerline of North 25th Street; thence continue North 0 deg. 04' 42" West a distance of 35.00 feet to said platted centerline of North 25th Street; thence South 89 deg. 44' 18" East along said platted center line a distance of 400.00 feet; thence South 0 deg. 04' 42" East a distance of 35.00 feet; thence North 89 deg. 44' 18" West along a line 35.00 feet distant and parallel with said platted centerline a distance of 400.00 feet to the point of beginning.

That part of the SE 1/4 of SW 1/4, of Section 24, Township 49 North, Range 14 West, Douglas County, Wisconsin, described as follows:

Commencing at the Southwest corner of said Section 24, thence North 0 deg. 04' 42" West, along the West line of said Section 24, a distance of 80.00 feet; thence South 89 deg. 40' 12" East a distance of 40.00 feet; thence continue South 89 deg. 40' 12" East along the North right of way line of North 28th Street a distance of 1740.00 feet; thence N 0 deg. 04' 42" West a distance of 870.01 feet to the point of beginning; thence South 89 deg. 44' 18" East along a line 35.00 feet distant and parallel with the platted centerline of North 25th Street a distance of 400.00 feet; thence South 0 deg. 04' 42" East a distance of 150.00 feet; thence North 89 deg. 44' 18" West a distance of 400.00 feet; thence North 0 deg. 04' 42" West a distance of 150.00 feet to the point of beginning.

WI-DGL-335

Vol. 519 PAGE 340

Those parts of the Northwest Quarter (NW 1/4) and the North Half of the Southwest Quarter (N 1/2 of SW 1/4) of Section Thirty-one (31), Township Forty-nine (49) North, Range Thirteen (13) West and the Northeast Quarter (NE 1/4) and the Northwest Quarter of the Southeast Quarter (NW 1/4 of SE 1/4) and Government Lot Three (3), of Section Thirty Six (36), Township Forty-nine (49) North, Range Fourteen (14) West, in Douglas County, Wisconsin;

and

of all or parts of the platted Lots and Blocks (some of which were vacated by a Resolution of the Council of the City of Superior, Wisconsin, dated May 18, 1951 and recorded in Volume 34 of Agreements, page 398) which are set forth in Part II hereof;

and

of the vacated streets, avenues and alleys abutting said Platted Lots and Blocks and vacated Lots and Blocks, contained within the following description set forth as Part I; to-wit:

Part I

Commencing at the Northeast corner of said Section 36; thence Southerly along the East boundary of Section 36 a distance of 245.93 feet to the center line of vacated West 18th Street; thence South 41 degrees 27' 35" East along the center line of vacated West 18th Street a distance of 41.88 feet to the Northwesterly right of way line of vacated 28th Avenue East and the point of beginning; thence South 48 degrees 32' 25" West along the Northwesterly right of way line of said vacated 28th Avenue East a distance of 336.20 feet to the centerline of vacated West 19th Street; thence North 41 degrees 27' 35" West along the center line of said vacated West 19th Street a distance of 13.74 feet; thence South 48 degrees 32' 25" West a distance of 40.00 feet to a point on the Southwesterly right of way line of said vacated West 19th Street, said point being 250.00 feet Southerly (measured at right angles) from the centerline of the former Northern Pacific Railway Company's Ore Dock Track right of way; thence South 82 degrees 42' 25" West along a line parallel to and distant 250.00 feet Southerly from said center line of railroad right of way a distance of 309.64 feet to the Northeastery right of way of vacated West 20th Street; thence South 48 degrees 32' 25" West a distance of 40.00 feet to the center line of vacated West 20th Street; thence North 41 degrees 27' 35" West along the center line of said vacated West 20th Street a distance of 54.30 feet; thence South 48 degrees 32' 25" West a distance of 40.00 feet to a point on the Southwesterly right of way line of said vacated West 20th Street, said point being 250.00 feet Southerly (measured at right angles) from the center line of said former Northern Pacific Railway Company's right-of-way; thence South 82 degrees 42' 25" West along a line parallel to and distant 250.00 feet Southerly from said Railway Company's center line of right of way a distance of 281.45 feet to the Southeastery right of way of vacated 27th Avenue East; thence South 48 degrees 32' 25" West along the right of way line of said vacated 27th Avenue East a distance of 103.33 feet to the intersection with the Southwesterly right of way line of West 21st Street; thence North 41 degrees 27' 35" West along said Southwesterly right of way line of West 21st Street a distance of 432.72 feet to the intersection with the Northerly right of way line of the former Northern Pacific Railway Company's Ore Dock Track; thence South 82 degrees 42' 25" West along said former railroad right of way line a distance of 764.31 feet to the center line of vacated West 23rd Street; thence North 41 degrees 27' 35" West along the center line of vacated West 23rd Street a distance of 138.04 feet to the Southeastery right of way line of 25th Avenue East; thence South 48 degrees 32' 25" West along the Southeastery right of way line of said 25th Avenue East a distance of 623.44

feet to the East right of way line of Bardon Avenue; thence South 00 degrees 03' 35" East along the East right of way line of Bardon Avenue a distance of 3,053.29 feet to a point; thence North 89 degrees 59' 55" East a distance of 1627.00 feet to a point; thence South 43 degrees 49' 20" East a distance of 188.00 feet to a point, more or less on the North boundary of the Nemadji River; thence Easterly along the North boundary of the Nemadji River to a point on the East boundary of said Section 36; thence North 00 degrees 18' 25" East a distance of 670.62 feet more or less along the East boundary of Section 36 to the Northwesterly right of way line of 33rd Avenue East; thence North 48 degrees 32' 25" East along the Northwesterly right of way line of 33rd Avenue East a distance of 2,206.96 feet to a point on the Southwesterly right of way line of East 18th Street; thence North 41 degrees 27' 35" West along the Southwesterly right of way line of East 18th Street a distance of 1,000.00 feet to the Northwesterly right of way line of 31st Avenue East; thence North 48 degrees 32' 25" East along the Northwesterly right of way line of 31st Avenue East a distance of 712.40 feet to the center line of vacated West 16th Street; thence North 41 degrees 27' 35" West along the center line of said vacated West 16th Street a distance of 600.00 feet to a point distant 150.00 feet Northwesterly of the intersection of the center line of vacated 30th Avenue East; thence South 48 degrees 32' 25" West a distance of 582.30 feet to a point 50.1 feet Northeasterly of the Northeasterly right of way line of vacated West 18th Street; thence North 41 degrees 27' 35" West parallel to and 50.1 feet distant Northeasterly from said Northeasterly right of way line of vacated West 18th Street, a distance of 838.96 feet to the intersection with the Southerly right of way line of the former Northern Pacific Railway Company's Ore Dock Track; thence South 82 degrees 42' 25" West along said former railroad right of way line a distance of 19.65 feet to the center line of vacated 28th Avenue East; thence South 48 degrees 32' 25" West along the center line of said vacated 28th Avenue East a distance of 73.84 feet to the center line of said vacated West 18th Street; thence North 41 degrees 27' 35" West along the center line of vacated West 18th Street a distance of 50.00 feet to the Northwesterly right of way line of said vacated 28th Avenue East and said point of beginning.

Part II

The following Blocks on West Seventeenth Street, in Townsite of Superior, in the City of Superior, Douglas County, Wisconsin:

Blocks One (1), Two (2), Three (3), Four (4) and Six (6)

The following Blocks on West Nineteenth Street, in Townsite of Superior, in the City of Superior, Douglas County, Wisconsin:

Blocks One (1), Two (2), Three (3), Four (4), Four and One-half (4 1/2), Five (5), Six (6), Seven (7), and Eight (8)

The following Block on West Twentieth Street, in Townsite of Superior, in the City of Superior, Douglas County, Wisconsin:

Block One (1)

The following Blocks on West Twenty-first Street, in Townsite of Superior, in the City of Superior, Douglas County, Wisconsin:

Blocks One (1), Two (2), Three (3), Four (4), Five (5), Six (6), Seven (7), Eight (8), Nine (9), Ten (10) and Twelve (12)

The following Blocks on West Twenty-third Street, in Townsite of Superior, in the City of Superior, Douglas County, Wisconsin:

Blocks One (1), Two (2), Three (3), Four (4), Five (5), Six (6), Seven (7), Eight (8), Nine (9), Ten (10), Eleven (11) and Twelve (12)

The following Blocks on West Twenty-fifth Street, in Townsite of Superior, in the City of Superior, Douglas County, Wisconsin:

Blocks One (1), Three (3), Fractional Block Four (4), Five (5), Six (6), Seven (7), Eight (8), Nine (9), Ten (10), Eleven (11) and Twelve (12)

The following Block on West Twenty-sixth Street, in Townsite of Superior, in the City of Superior, Douglas County, Wisconsin:

Block Four (4)

The following Blocks on West Twenty-seventh Street, in Townsite of Superior, in the City of Superior, Douglas County, Wisconsin:

Blocks Five (5), Six (6), Seven (7), Eight (8), Nine (9) and Ten (10)

The following Block on West Twenty-eighth Street, in Townsite of Superior, in the City of Superior, Douglas County, Wisconsin:

Block Six (6)

The following Block on West Twenty-ninth Street, in Townsite of Superior, in the City of Superior, Douglas County, Wisconsin:

Block Seven (7)

The following Blocks on East Nineteenth Street, in Townsite of Superior, in the City of Superior, Douglas County, Wisconsin:

Blocks One (1), Three (3) and Four (4)

The following Blocks on East Twenty-first Street, in Townsite of Superior, in the City of Superior, Douglas County, Wisconsin:

Blocks One (1), Three (3) and Four (4)

The following Blocks on East Twenty-third Street, in Townsite of Superior, in the City of Superior, Douglas County, Wisconsin:

Blocks One-half (1/2), One (1), Three (3) and Four (4)

The following Block on East Twenty-fourth Street, in Townsite of Superior, in the City of Superior, Douglas County, Wisconsin:

Fractional Block Three (3)

The following Lots in McBean Blocks, being a Subdivision of the West Half of Northeast Quarter (W 1/2 of NE 1/4) of Block One (1), on West Seventeenth Street, in Townsite of Superior, in the City of Superior, Douglas County, Wisconsin:

Lots Ten (10) through Sixteen (16), even No's., inclusive, Lots on West Sixteenth Street

The following Lots in McBean Blocks, being a Subdivision of the East Half of Southeast Quarter (E 1/2 of SE 1/4) of Block One (1), on West Seventeenth Street, in Townsite of Superior, in the City of Superior, Douglas County, Wisconsin:

Lots One (1) through Seven (7), odd No's., inclusive, Lots on West Seventeenth Street

The following Lots in McBean Blocks, being a Subdivision of the Northeast

Quarter (NE 1/4) of Block Two (2), on West Seventeenth Street, Townsite of Superior, in the City of Superior, Douglas County, Wisconsin:

Lots Two (2) through Sixteen (16), even No's., inclusive, Lots on West Seventeenth Street

The following Lots in McBean Blocks, being a Subdivision of the North Half (N 1/2) of Block Four (4), on West Seventeenth Street, Townsite of Superior, in the City of Superior, Douglas County, Wisconsin:

Lots Thirty-four (34) through Forty (40), even No's., inclusive, Lots on West Seventeenth Street

The following Lots in McBean Blocks, being a Subdivision of the Northwest Quarter (NW 1/4) of Block Five (5), on West Nineteenth Street, Townsite of Superior, in the City of Superior, Douglas County, Wisconsin:

Lots Eighty-two (82) through Ninety-six (96), even No's., inclusive, Lots on West Eighteenth Street

The following Lots in McBean Blocks, being a Subdivision of Block Two (2), on East Nineteenth Street, Townsite of Superior, in the City of Superior, Douglas County, Wisconsin:

Lots One (1) Through Thirty-one (31), odd No's., inclusive, Lots on East Eighteenth Street;

Lots Two (2) through Thirty-two (32), even No's., inclusive, Lots on East Nineteenth Street

The following Lots in McBean Blocks, being a Subdivision of Block Two (2); on East Twenty-first Street, Townsite of Superior, in the City of Superior, Douglas County, Wisconsin:

Lots One (1) Through Thirty-one (31), odd No's., inclusive, Lots on East Twentieth Street;

Lots Two (2) through Thirty-two (32), even No's., inclusive, Lots on East Twenty-first Street

The following Lots in McBean Blocks, being a Subdivision of Block Two (2), on East Twenty-third Street, Townsite of Superior, in the City of Superior, Douglas County, Wisconsin:

Lots One (1) through Thirty-one (31), odd No's., inclusive, Lots on East Twenty-second Street;

Lots Two (2) through Eight (8), even No's., inclusive, and Sixteen (16) through Thirty-two (32), even No's., inclusive, Lots on East Twenty-third Street

The following Lots in the Subdivision of Block Four (4), on East Twenty-third Street, Townsite of Superior, in the City of Superior, Douglas County, Wisconsin:

Lots Thirty-three (33) through Sixty-three (63), odd No's., inclusive, Lots on East Twenty-third Street

Lots Thirty-four (34) through Sixty-four (64), even No's., inclusive, Lots on East Twenty-third Street

WI-DGL-336

519 344

Those portions of the Southeast Quarter of the Southeast Quarter (SE 1/4 of SE 1/4) of Section Twenty-six (26) and of the East Half of the East Half (E 1/2 of E 1/2) of Section Thirty-five (35), all in Township Forty-nine (49) North, Range Fourteen (14) West, and of the platted Townsite of Superior (Southwestern and Southern Divisions) in the City of Superior, Douglas County, Wisconsin, and of subsequent Subdivisions and Re-plats thereof, all as contained within the following Perimeter Description shown as Part I.

Part I

Commencing at the Northeast corner of Section 35 thence Southerly along the East boundary of said section to the center line of West 30th Street; thence Northwesterly along the center line of West 30th Street to the West boundary of Hill Avenue and the point of beginning; thence South along the West boundary of Hill Avenue to the east-west center line of Section 35; thence East along the east-west center line of Section 35 to the east boundary of Section 35; thence Southerly along the East boundary of Section 35 to the North boundary of 25th Avenue East; thence Southwesterly along the North boundary of 25th Avenue East to the east right of way line of the Soo Line Railroad; thence Northerly along the East right of way line of the Soo Line Railroad to the South boundary of 24th Avenue East; thence Northeasterly along the South Boundary of 24th Avenue East a distance of 962.08 feet; thence deflect 90 degrees 00' 00" to the left Northwesterly a distance of 300.40 feet; thence deflect 90 degrees 00' 00" to the left Southwesterly a distance of 168.10 feet to the center line of West 37th Street; thence Northwesterly along the center line of West 37th Street to the East right of way line of the Soo Line Railroad; thence Northerly along the East right of way line of the Soo Line Railroad to the center line of West 30th Street; thence Southeasterly along the center line of West 30th to the point of beginning, excepting all Street and Avenue easements contained therein.

Said Perimeter Description shown as Part I includes all or parts of the following platted Lots and Blocks (some of which have been vacated) as set forth in Part II hereof, to-wit:

Part II

Blocks 19-28, inclusive, West 31st Street;
 Blocks 16-24, inclusive, West 33rd Street;
 Blocks 13-21, inclusive, West 35th Street;
 Blocks 15 and 17, West 37th Street;
 Blocks 13, 14 and 19, West 39th Street;
 Block 13, West 41st Street;

together with the vacated alleys, streets and abutting said Blocks or portions thereof, but excepting the platted (non-vacated) alleys, streets and avenues therein; also excepting therefrom the Southwest Quarter (SW 1/4) of Block Twenty-five (25) on West Thirty-first Street and the East Half (E 1/2) of Block Fourteen (14) on West Thirty-ninth Street.

WI-DGL-337

Block 14 on West 21st Street, Townsite of Superior, in the City of Superior, Douglas County, Wisconsin.

WI-DGL-338

Vol 519 Page 345

The Southwest Quarter (SW 1/4) and West Half of the Southeast Quarter (W 1/2 of SE 1/4) of Block 1 on East 17th Street, Townsite of Superior, in the City of Superior, Douglas County, Wisconsin.

519 346

WI-DGL-339

Those portions of the Townsite of Superior (Southwestern Division) in the City of Superior, Douglas County, Wisconsin, and of subsequent Subdivisions and replats thereof contained within the following perimeter description, to-wit:

Beginning at the intersection of the Southeasterly right of way line of Newton Avenue (now 25th Avenue East) and the Southwesterly right of way line of West Ninth Street (now East 9th Street) as shown in the Plat of the Southwestern Division of the Townsite of Superior, in the City of Superior, Douglas County, Wisconsin, (being also the Northerly-most corner of Lot 192, West 9th Street in said Plat); thence S 41 degrees 27' 35" E along the Southwesterly right of way line of West 9th Street a distance of 2900.00 feet to the Northwesterly right of way line of Robertson Avenue (now 31st Avenue East), which point is also the Easterly-most corner of Lot 2, West 9th Street; thence S 48 degrees 32' 25" W along the Northwesterly right of way line of Robertson Avenue a distance of 2313.40 feet to the centerline of vacated West Sixteenth Street (now East 16th Street); thence N 41 degrees 27' 35" W along the centerline of vacated West 16th Street a distance of 2900.00 feet to a point of intersection with the Southeasterly right of way line of Newton Avenue (25th Avenue East); thence N 48 degrees 32' 25" E along the Southeasterly right of way line of Newton Avenue (25th Avenue East) a distance of 2313.40 feet to the point of beginning;

said Parcel including:

Lots 2-192, even No's., inclusive, West 9th Street

Lots 1-191, odd No's., inclusive, West 10th Street

Blocks 1, 2, 3, 5, 6, 7, and 8, West 11th Street

Block 9, West 11th Street, except (platted Euclid Place)

Blocks 11 and 12, West 11th Street

Blocks 3, 4, 5, 6, 7, 8, 10, and 11, West 13th Street

Block 12, West 13th Street, except (Subdivision of SE 1/4 of Block 12, West 13th Street, McBean Blocks)

Block 1, West 15th Street

Block 2, West 15th Street, except (Subdivision of the W 1/4 of the East 1/2 of Block 2, West 15th Street, McBean Blocks), and except (Subdivision of E 1/8 of Block 2, West 15th Street, McBean Blocks)

Block 3, West 15th Street

Block 5, West 15th Street, except (Subdivision of the SW 1/4 of Block 5, West 15th Street, McBean Blocks)

Block 9, West 15th Street, except (Subdivision of SE 1/4 of Block 9, West 15th Street, McBean Blocks)

Blocks 10 and 11, West 15th Street

Block 11 1/2, West 15th Street, except (Subdivision of Block 11 1/2, West 15th Street, East of Villard Avenue, McBean Blocks)

Block 12, West 15th Street

Block 10, West 16th Street

Subdivision of Block 4 on West 11th Street:

Lots 34-64, even No's., inclusive, on West 11th Street

Lots 33-63, odd No's., inclusive, on West 12th Street

Euclid Place, being a Subdivision of Block 9, West 11th Street:

Lots 130-144, even No's., inclusive

Lots 133-143, odd No's., inclusive

Subdivision of Block 10 on West 11th Street:

Lots 130-160, even No's., inclusive, on West 11th Street
 Lots 129-159, odd No's., inclusive, on West 12th Street

Daisy Division, being a Subdivision of Block 1, West 13th Street:
 Lots 1-32, inclusive

Wortley's Subdivision of Block 2 on West 13th Street:
 Lots 1-32, inclusive

Hartopp Place, being a Subdivision of Block 9 on West 13th Street:
 Lots 130-160, even No's., inclusive, on West 12th Street
 Lots 129-159, odd No's., inclusive, on West 13th Street

Belmont Place, being a Subdivision of Block 7 on West 15th Street:
 Lots 98-128, even No's., inclusive, on West 14th Street
 Lots 97-127, odd No's., inclusive, on West 15th Street

The Subdivision of Block 8 on West 15th Street:
 Lots 98-128, even No's., inclusive, on West 15th Street
 Lots 97-127, odd No's., inclusive, on West 16th Street

Butler & McCabe's Subdivision of Block 4 on West 15th Street:
 Lots 34-64, even No's., inclusive, on West 15th Street
 Lots 33-63, odd No's., inclusive, on West 16th Street

Subdivision of Block 6 on West 15th Street:
 Lots 66-96, even No's., inclusive, on West 15th Street
 Lots 65-95, odd No's., inclusive, on West 16th Street

Subdivision of SE 1/4 of Block 12 on West 13th Street, McBean Blocks:
 Lots 161-175, inclusive, on West 14th Street

Subdivision of W 1/4 of E 1/2 of Block 2, West 15th Street, McBean Blocks:
 Lots 14 and 16 on West 15th Street
 Lots 13 and 15 on West 16th Street

Subdivision of E 1/8 of Block 2, West 15th Street, McBean Blocks:
 Lots 2 and 4 on West 15th Street
 Lots 1 and 3 on West 16th Street

Subdivision of SW 1/4 of Block 5, West 15th Street, McBean Blocks:
 Lots 81-95, odd No's., inclusive, on West 15th Street

Subdivision of SE 1/4 of Block 9, West 15th Street, McBean Blocks:
 Lots 129-143, odd No's., inclusive, on West 15th Street

Subdivision of Block 11 1/2 on West 15th Street, East of Villard Avenue,
 McBean Blocks:
 Lots 178-192, even No's., inclusive, on West 14th Street
 Lots 177-183, odd No's., inclusive, on West 15th Street

Including all Streets, Avenues and Alleys vacated by resolution of the City of
 Superior, recorded in Volume 326 of Records, page 616 lying
 Southwesterly of the Southwesterly right of way line of West 11th Street
 (now East 11th Street);
 Northeastly of the centerline of West 16th Street (now East 16th
 Street);
 Southeastly of the Southeastly right of way line of Newton Avenue
 (25th Avenue East);
 Northwestly of the Northwestly right of way line of Robertson Avenue
 (31st Avenue East);

Excepting, however, the platted Streets, Avenues and Alleys (not heretofore
 vacated) lying

NO. 519 PAGE 348

State of Wisconsin

County of Douglas

Northeasterly of the Southeasterly right of way line of West 11th Street;
Southwesterly of the Southwesterly right of way line of West 9th Street;
Southeasterly of the Southeasterly right of way line of Newton Avenue
(25th Avenue East);
Northwesterly of the Northwesterly right of way line of Robertson Avenue
(31st Avenue East)

Further excepting Lots 141, 142, 143 and 144, Euclid Place

WI-DGL-340

519 349

Part I

Those areas of Sections 35 and 36, Township 49 North, Range 14 West, all in Douglas County, Wisconsin, described as follows:

Commencing at the Northeast corner of Section 36; thence Westerly along the North boundary of Section 36 to the north-south center line of Section 36, also known as the center line of Bardon Avenue; thence Southerly along the center line of Bardon Avenue to the South boundary of 25th Avenue East; thence Southwesterly along the South boundary of 25th Avenue East to the West boundary of Bardon Avenue and the point of beginning; thence continue Southwesterly along the South boundary of 25th Avenue East to the East right of way line of the Soo Line Railroad; thence South along the East right of way line of the Soo Line Railroad to the South line of Section 35; thence East along the South line of Section 35 to the center line of 27th Avenue East; thence Northeasterly along the center line of 27th Avenue East to the center line of West 41st Street; thence Northwesterly along the center line of West 41st Street to the center line of 26th Avenue East; thence Northeasterly along the center line of 26th Avenue East to the center line of West 40th Street; thence Northwesterly along the center line of West 40th Street a distance of 350 feet; thence deflect 90 degrees 00' 00" to the right, Northeasterly a distance of 1008.60 feet to the center line of West 37th Street; thence Southeasterly along the center line of West 37th Street to the center line of 26th Avenue East; thence Northeasterly along the center line of 26th Avenue East to the West boundary of Section 36 (also known as the center line of Hill Avenue); thence Southerly along the center line of Hill Avenue to a point 300 feet North of the South boundary line of Section 36; thence East along a line 300 feet North and parallel to the South boundary line of Section 36 to a point 50.00 feet measured at right angles from the 18 inch incoming main line; thence Northeasterly, parallel to and distant 50.00 feet from the 18 inch incoming main line, to a point 850.00 feet North of the South boundary line of Section 36; thence East along a line 850.00 feet North and parallel to the South boundary line of Section 36, to a point on the West boundary of Bardon Avenue; thence Northerly along the West boundary of Bardon Avenue a distance of 1424.90 feet to a point; thence deflect 131 degrees 24' 00" to the left, Southwesterly 1290.88 feet to a point; thence deflect 90 degrees 00' 00" to the right, Northwesterly a distance of 500.89 feet to a point; thence deflect 90 degrees 00' 00" to the right, Northeasterly a distance of 269.11 feet to a point; thence deflect 90 degrees 00' 00" to the left, Northwesterly a distance of 751.00 feet to a point on the North boundary of 26th Avenue East; thence Northeasterly along the North boundary of 26th Avenue East to the east-west center line of Section 36; thence East along the east-west center line of Section 36 to the South boundary of 26th Avenue East; thence Northeasterly along the South boundary of 26th Avenue East to a point being 436.98 feet measured Southwesterly from the intersection of the South boundary of 26th Avenue East and the West boundary of Bardon Avenue; thence deflect 90 degrees 00' 00" to the right, Southeasterly a distance of 495.66 feet to a point on the West boundary of Bardon Avenue; thence Northerly along the West boundary of Bardon Avenue to the point of beginning excepting all street and avenue easements contained therein.

Said Perimeter Description shown as Part I includes all or parts of the following platted Lots and Blocks (some of which have been vacated) as set forth in Part II hereof, to-wit:

Part II

Block 12, on West 25th Street;
Blocks 9, 10, 11 and 12, on West 27th Street;
Blocks 11 and 12, on West 29th Street;

Blocks 11 and 12, on West 31st Street;
Blocks 11 and 12, on West 33rd Street;
Block 11, on West 36th Street;
Blocks 11 and 12, on West 37th Street;
Blocks 11 and 12, on West 39th Street;
Blocks 10, 11 and 12, on West 41st Street;
Block 9, on West 43rd Street;
in the Townsite of Superior (Southwestern and Southern Divisions);

together with the vacated alleys, streets and abutting said Blocks or portions thereof, but excepting the platted (non-vacated) alleys, streets and avenues therein.

Exhibit B
to
Conveyance, Assignment and Bill of Sale
from
Lakehead Pipe Line Company, Inc.
to
Lakehead Pipe Line Company, Limited Partnership

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Permit 07/30/53 Department of the Army (Corps of Engineers-Duluth District) Lakehead Pipe Line Company, Inc. - - - - WI-DGL-002

Legal Description:
Crossing the Menadji River, about two miles above its mouth, at Superior, Wisconsin (Sec. 31, T49N, R13W)

WI-DGL-003

Legal Description:
SW/4, Block 1, East 17th Street, Townsite of Superior, City of Superior, Wisconsin.

Right of Way and Easement Grant 09/15/53 Lalli, Lempie Lakehead Pipe Line Company, Inc. Deeds Vol. 236 542 416820 WI-DGL-004

Legal Description:
Lot 189, Block 19, East 17th Street, Riverview Addition, City of Superior and Lot 191, Block 19, East 17th Street, Riverview Addition, City of Superior, Wisconsin.

Right of Way and 10/05/53 Foley, B.T., Lakehead Deeds Vol. 237 314 417398 WI-DGL-005

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Easement Grant at ux. Pipe Line Company, Inc.

Legal Description:
Lot 209, Subd. Block 23, East 17th St., Riverview Addition, City of Superior and Lot 211, Subd. Block 23, East 17th St., Riverview Addition, City of Superior and Lot 213, Subd. Block 23, East 17th St., Riverview Addition, City of Superior and Lot 215, Subd. Block 23, East 17th St., Riverview Addition, City of Superior.

Right of Way and Easement Grant 09/16/53 Martin, Winfield G., et ux. Lakehead Pipe Line Company, Inc. Deeds Vol. 236 594 416898 WI-DGL-007

Legal Description:
Lot 233, Subdivision of Block 25, East 17th Street, Riverview Addition to City of Superior, Wisconsin and Lot 235, Subdivision of Block 25, East 17th Street, Riverview Addition to City of Superior, Wisconsin.

Right of Way and Easement Grant 09/10/53 LaPorte, Percy, et ux. Lakehead Pipe Line Company, Inc. Deeds Vol. 236 503 416760 WI-DGL-008

Legal Description:
Block 27 on East 17th Street, Townsite of Superior, Douglas County, Wisconsin.

Right of Way and 09/16/53 Ludington, Lakehead Deeds Vol. 236 596 416899 WI-DGL-009

| Document Title | Date | Grantor | Grantee | Records | Book/Vol. | Page | File No. | Reference No. |
|--|----------|--------------------------|----------------------------------|---------|-----------|------|----------|---------------|
| Easement Grant | | Florence | Pipe Line Company, Inc. | | | | | |
| Legal Description: Lot 269, Subdivision of Block 29 on East 17th Street, Industrial Center, City of Superior and Lot 271, Subdivision of Block 29 on East 17th Street, Industrial Center, City of Superior. | | | | | | | | |
| Right of Way and Easement Grant | 09/10/53 | Simenstad, J.A. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 236 | 590 | 416896 | WI-DGL-012 |
| Legal Description: Lot 298, East Seventeenth Street, Industrial Center, City of Superior. | | | | | | | | |
| Right of Way and Easement Grant | 10/07/53 | Johnson, Mildred, et al. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 237 | 377 | 417495 | WI-DGL-013-A |
| Legal Description: Lot 290, Block 34, East 17th Street, Industrial Center, Superior and Lot 292, Block 34, East 17th Street, Industrial Center, Superior and Lot 294, Block 34, East 17th Street, Industrial Center, Superior. | | | | | | | | |
| Right of Way and Easement Grant | 10/09/53 | Emerson, Evelyn M. | Lakehead Pipe Line Company, | Deeds | Vol. 237 | 262 | 417358 | WI-DGL-013-B |

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Inc.

Legal Description:

Lot 290, Block 34, East 17th Street, Industrial Center, Superior and Lot 292, Block 34, East 17th Street, Industrial Center, Superior and Lot 294, Block 34, East 17th Street, Industrial Center, Superior.

Right of Way and 10/09/53 Johnson, Mels, Lakehead Deeds Vol. 237 202 417246 WI-DGL-013-C
Easement Grant et ux.

Legal Description:

Lot 290, Block 34, East 17th Street, Industrial Center, Superior and Lot 292, Block 34, East 17th Street, Industrial Center, Superior and Lot 294, Block 34, East 17th Street, Industrial Center, Superior.

Right of Way and 10/08/53 Randall, Mabel Lakehead Deeds Vol. 237 200 417245 WI-DGL-013-D
Easement Grant J., et vir.

Legal Description:

Lot 290, Block 34, East 17th Street, Industrial Center, Superior and Lot 292, Block 34, East 17th Street, Industrial Center, Superior and Lot 294, Block 34, East 17th Street, Industrial Center, Superior.

Right of Way and 10/10/53 Johnson, Lakehead Deeds Vol. 237 264 417359 WI-DGL-013-E
Easement Grant Irving Howard, Pipe Line Company,
et ux.

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Inc.

Legal Description:
Lot 290, Block 34, East 17th Street, Industrial Center, Superior and Lot 292, Block 34, East 17th Street, Industrial Center, Superior and Lot 294 Block 34, East 17th Street, Industrial Center, Superior.

Right of Way and
Easement Grant 09/08/53 Hasenwinkle,
Anna, et al. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 236 493 416747 WI-DGL-014-A

Legal Description:
Lot 303, Subdivision Block 33, East 16th Street, Industrial Center, City of Superior and Lot 305, Subdivision Block 35, East 16th Street, Industrial Center, City of Superior.

Right of Way and
Easement Grant 10/03/53 Hasenwinkle,
Earl D., et
ux. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 237 206 417248 WI-DGL-014-B

Legal Description:
Lot 303, Subdivision of Block 33, East 16th Street, Industrial Center, City of Superior, Wisconsin and Lot 305, Subdivision of Block 35, Industrial Center, City of Superior, Wisconsin.

Right of Way and
Easement Grant 09/04/53 Johnnies,
Margaret Lakehead
Pipe Line
Company, Deeds Vol. 236 459 416683 WI-DGL-015

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Inc.

Legal Description:
Lot 310, Subdivision of Block 36, East 16th Street, Industrial Center, City of Superior and Lot 312, Subdivision of Block 36, East 16th Street, Industrial Center, City of Superior.

Right of Way and Easement Grant 11/03/53 Clabby, Ida M. Lakehead Pipe Line Company, Inc. Deeds Vol. 237 515 417705 WI-DGL-016

Legal Description:
Lot 306, Subdivision of Block 36, East 16th Street, Industrial Center, City of Superior and Lot 308, Subdivision of Block 36, East 16th Street, Industrial Center, City of Superior.

Right of Way and Easement Grant 09/15/53 Lange, Arnie E., et ux. Lakehead Pipe Line Company, Inc. Deeds Vol. 237 67 417018 WI-DGL-017

Legal Description:
Lot 311, Subdivision of Block 35, East 15th Street, Industrial Center, City of Superior and Lot 313, Subdivision of Block 35, East 15th Street, Industrial Center, City of Superior.

Right of Way and Easement Grant 09/15/53 Rannestad, Louise Lakehead Pipe Line Company, Deeds Vol. 236 557 416838 WI-DGL-018

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Inc.

Legal Description:
Lot 315, Subdivision of Block 35, East 15th Street, Industrial Center, City of Superior, and Lot 317, Subdivision of Block 35, East 15th Street, Industrial Center, City of Superior and Lot 319, Subdivision of Block 35, East 15th Street, Industrial Center, City of Superior.

Right of Way and 09/29/53 Johnson, Lakehead Deeds Vol. 237 165 417167 WI-DGL-020
Easement Grant Martin, et ux. Pipe Line Company, Inc.

Legal Description:
Lot 321, Subdivision of Block 37, East 9th Street, Industrial Center, City of Superior, Wisconsin.

Pipe Line Crossing 08/01/53 Duluth, South Lakehead - - - - WI-DGL-021
Permit Shore and Pipe Line Company, Inc.

Legal Description:
Extending upon and across the Railroad Company's property at Superior, Douglas County, Wisconsin for a distance of approximately 50 feet along a line parallel with and 16.5 feet distance Easterly (measured at right angles) from the center line of 41st (Daily) Avenue abutting the South 50 feet of Block 37, townsite of Superior.

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Right of Way and
Easement Grant 09/11/53 Munroe,
Frances P.,
successor
trustee Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 237 179 417204 WI-DGL-023

Legal Description:
Block 38, East 7th Street, Townsite of Superior, City of Superior.

Untitled 05/11/53 Great Northern
Railway
Company Lakehead
Pipe Line
Company,
Inc. - - - - WI-DGL-024

Legal Description:
Across Right of Way of Great Northern Railway Co. in Sec. 32, T49N, R13W
(about 250 feet North of Chicago, St. Paul, and Omaha Railway).

Irrigation Canal,
Drainage Canal,
Water Pipe or
Sewer Permit
(Perm.) No. 76435 04/16/53 Northern
Pacific
Railway
Company Lakehead
Pipe Line
Company,
Inc. - - - - WI-DGL-025

Legal Description:
Location described as follows:
A 30 inch crude petroleum pipe line crossing the first party's Main Line right
of way in Section 4, Township 48 North, Range 13 West, Fourth Principal
Meridian, Douglas County, Wisconsin, near Superior station, along a line
making an angle of 75 degrees, with the center line of the first party's main
track as now constructed, in the northwesterly quadrant, intersecting said

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

center line at a point there in distance 477 feet northwesterly, measured along said center line from Mile Post 60 (which mile post is located 215 feet, more or less, northwesterly, measured along said center line from the east line of said section).

Right of Way and 08/31/53 Johnson, Olga Lakehead Deeds Vol. 236 381 416568 WI-DGL-026
Easement Grant C.

Legal Description:
Block 44, East 6th Street, Townsite of Superior, City of Superior.

Untitled 08/04/53 Great Northern Lakehead - - - - WI-DGL-027
Railway Pipe Line
Company, Inc.

Legal Description:
In Lots 45 and 48 between East 6th and East 7th Streets, Superior, County of Douglas, Wisconsin.

Right of Way and 10/22/53 Larson, Ida Lakehead Deeds Vol. 237 399 417525 WI-DGL-029
Easement Grant Brown, et vir. Pipe Line
Company, Inc.

)

)

)

| Document Title | Date | Grantor | Grantee | Records | Book/Vol. | Page | File No. | Reference No. |
|----------------|------|---------|---------|---------|-----------|------|----------|---------------|
|----------------|------|---------|---------|---------|-----------|------|----------|---------------|

Legal Description:
 Lot 498, Subdivision, Block 50, East Seventh Street, Townsite of Superior and
 Lot 500, Subdivision, Block 50, East Seventh Street, Townsite of Superior.

| | | | | | | | | |
|------------------------------------|----------|----------------------|---|-------|----------|-----|--------|------------|
| Right of Way and Easement Grant | 09/11/53 | Bergh, Lillian M. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 236 | 519 | 416782 | WI-DGL-032 |
|------------------------------------|----------|----------------------|---|-------|----------|-----|--------|------------|

Legal Description:
 Lot 701, Subdivision of Block 61, East 7th Street, Townsite of Superior.

| | | | | | | | | |
|------------------------------------|----------|------------------------------|---|-------|----------|-----|--------|------------|
| Right of Way and Easement Grant | 10/28/53 | Kendall, Verda R., et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 237 | 401 | 417526 | WI-DGL-034 |
|------------------------------------|----------|------------------------------|---|-------|----------|-----|--------|------------|

LEGAL DESCRIPTION:
 Lot 524, Subdivision of Block 62, East Seventh Street, Townsite of Superior
 and Lot 526, Subdivision of Block 62, East Seventh Street, Townsite of
 Superior.

| | | | | | | | | |
|------------------------------------|----------|---------------|---|-------|----------|-----|--------|------------|
| Right of Way and Easement Grant | 09/09/53 | Howard, Clara | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 236 | 517 | 416781 | WI-DGL-035 |
|------------------------------------|----------|---------------|---|-------|----------|-----|--------|------------|

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Legal Description:
Lot 29, Block 3, Steel Plant Sixth Division, City of Superior and Lot 30,
Block 3, Steel Plant Sixth Division, City of Superior.

Right of Way and
Easement Grant 09/29/53 Origel,
Charles, et
al. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 237 99 417063 WI-DGL-037

Legal Description:
Lot 16, Block 1, Steel Plant Sixth Division, City of Superior, Douglas County,
Wisconsin.

Right of Way and
Easement Grant 08/26/91 Seely, John
J., et ux. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 236 333 416483 WI-DGL-038

Legal Description:
Lot 1, Block 3, Steel Plant Sixth Division and Lot 2, Block 3, Steel Plant
Sixth Division and Lot 3, Block 3, Steel Plant Sixth Division, all in City of
Superior.

Right of Way and
Easement Grant 09/11/53 Swanson,
Elizabeth C.,
et al. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 236 592 416897 WI-DGL-040

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Legal Description:
Lot 23, Block 2, Steel Plant Sixth Division, City of Superior and Lot 24,
Block 2, Steel Plant Sixth Division, City of Superior.

Right of Way and 08/25/53 Anderson, Carl Lakehead Deeds Vol. 236 331 416482 WI-DGL-041
Easement Grant Albin Pipe Line Company,
Inc.

Legal Description:
Lot, 21, Block 2, Steel Plant Sixth Division, City of Superior and Lot 22,
Block 2, Steel Plant Sixth Division, City of Superior.

Right of Way and 08/11/53 Edwards Realty Lakehead Deeds Vol. 236 348 416502 WI-DGL-043
Easement Grant and Finance Pipe Line Company,
Co. Inc.

Partial Release 04/19/72

Legal Description:
W/2 of NW/4 of SE/4 of Sec. 4, T48N, R13W.

Right of Way and 03/05/53 County of Lakehead Deeds Vol. 236 415 416616 WI-DGL-044
Easement Grant Douglas, State Pipe Line Company,
of Wisconsin Inc.

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Legal Description:
E/2 of NW/4 of Sec. 4, T48N, R13W and S/2 of NE/4 of SE/4, Sec. 4, T48N, R13W and undivided 38/48ths of Block 38, East Seventh Street, Townsite of Superior, Douglas County, Wisconsin.

Right of Way and
Easement Grant 11/02/53 Merchantile-
Safe Deposit
and Trust
Company,
Trustees Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 238 34 417969 WI-DGL-046-A

Legal Description:
Undivided One Half Interest N/2 of NE/4 of SE/4 of Sec. 4, T48N, R13W.

Right of Way and
Easement Grant 10/09/53 Miller, Edward Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 237 208 417249 WI-DGL-046-B

Legal Description:
One half interest in N/2 of NE/4 of SE/4 of Sec. 4, T48N, R13W, except that part owned by the Northern Pacific Railway Company, and that part designated for U.S. Highway No. 2.

Right of Way and
Easement Grant 08/11/53 Boroo, Henry,
et ux. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 236 316 416471 WI-DGL-047

| Document Title | Date | Grantor | Grantee | Records | Book/Vol. | Page | File No. | Reference No. |
|----------------|------|---------|---------|---------|-----------|------|----------|---------------|
|----------------|------|---------|---------|---------|-----------|------|----------|---------------|

Legal Description:
NE/4 of SW/2 of Sec. 3, T48N, R13W and NW/4 of SW/4 of Sec. 3, T48N, R13W.

| | | | | | | | | |
|------------------------------------|----------|-----------------------------------|---|-------|----------|-----|--------|------------|
| Right of Way and Easement Grant | 07/18/53 | City of Superior, Wisconsin | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 236 | 346 | 416501 | WI-DGL-048 |
|------------------------------------|----------|-----------------------------------|---|-------|----------|-----|--------|------------|

Legal Description:
All of Roelofson Square in Dubeau's Addition to Superior, as shown on plat of said Addition on file and of record in the office of the Register of Deeds for Douglas County.

| | | | | | | | | |
|------------------------------------|----------|----------------------------|---|-------|----------|-----|--------|------------|
| Right of Way and Easement Grant | 09/08/53 | Holgren, Victor, et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 236 | 555 | 416837 | WI-DGL-049 |
|------------------------------------|----------|----------------------------|---|-------|----------|-----|--------|------------|

Legal Description:
Lot 1421, Boden Street, Dubeau's Addition to Superior and Lot 1423, Boden Street, Dubeau's Addition to Superior.

| | | | | | | | | |
|----------|----------|---|---|--|--|--|--|------------|
| Untitled | 12/03/53 | Chicago, Saint Paul, Minneapolis and Omaha Railway Company | Lakehead Pipe Line Company, Inc. | | | | | WI-DGL-050 |
|----------|----------|---|---|--|--|--|--|------------|

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Legal Description:
Upon the property and under track of the Railway Company at Itasca, Wisconsin.

Right of Way and
Easement Grant 09/10/53 Lawrence, Nora
Katherine, et
vir. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 236 513 416779 WI-DGL-051

Legal Description:
Lot 1378, Dubeau's Addition to Superior and Lot 1380, Dubeau's Addition to Superior.

Right of Way and
Easement Grant 09/10/53 Schenecker,
Kathryn Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 236 521 416783 WI-DGL-053

Legal Description:
Lot 1253, Seneca Street, Dubeau's Addition to Superior.

Right of Way and
Easement Grant 09/21/53 Vignetto,
William A., et
al. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 237 167 417173 WI-DGL-054

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Legal Description:
Lot 1279, Winnebago Street, Dubeau's Addition, City of Superior, Wisconsin.

Right of Way and 08/21/53 County of Lakehead Deeds Book 236 235 416375 WI-DGL-055-A
Easement Grant Douglas Pipe Line Company,
Inc.

Local Description:

Blocks 37, 39, 41 and 46 on East 6th Street; Blocks 54, 56 and 58 on East 7th Street; that part of Block 38 northeasterly of Railroad Right of Way and the West 5/8 of Block 37 on East 8th Street; Block 38 on East 9th Street; Block 37 on East 10th Street; Block 37 on East 12th Street; Block 38 on East 13th Street; the East 1/2 of the SE 1/4 of Block 1, all of Blocks 3, 5, 7, 11, 13, 15, 17 and 31 on East 17th Street, all in the Townsite of Superior, in the City of Superior, Douglas County, Wisconsin.

Lots 322, 324, 326, 328, 330, 332 and 334 in Block 38, East 10th Street; Lots 322, 324, 326, 328, 330, 332 and 334, Block 38, East 11th Street; Lots 321, 323, 325, 327, 329, 331, 333, 335, Block 37 East 11th Street; Lots 321, 323, 325, 327, 329, 331, 333, 335, Block 37, East 13th Street; Lots 322, 326, 328, 330 and 334, Block 38 East 14th Street; Lots 321, 325, 327, 329, 333 and 335, Block 37 East 14th Street; Lots 322, 328, 330, 332, 334, 336, Block 38 East 15th Street; Lots 291, 293, 295, 297, 299, 301, Block 33, and Lots 314 and 316 Block 36 on East 16th Street; Lots 257, 259, 261, 263, 265 and 267 Block 29, and Lot 296 Block 34, all on East 17th Street, all in Industrial Center, being a subdivision of blocks in the Eastern Division of the Townsite of Superior, in the City of Superior, Douglas County, Wisconsin.

Lots 177, 179, 181, 183, 185 and 187 in Block 19, Lots 193, 195, 197, 199, 201, 203, 205 and 207 in Block 21, Lots 217, 219, 221, 223, Block 23, Lots 225, 227, 229 and 231 Block 25, all on East 17th Street, all in Riverview, being a subdivision of blocks in the Eastern Division of the Townsite of Superior, now a part of the City of Superior, Douglas County, Wisconsin.

Lots 1230, 1232, 1234, 1236, 1238, 1240, 1242, 1244, 1246, 1248, and an

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

unnumbered lot northwesterly of Lot 1231, all on Cayuga Street; Lots 1249, 1251, 1255, 1257, 1258, 1260, 1262, 1264, 1266, 1268, 1270, 1272, 1274 and 1276, all on Seneca Street; Lots 1273, 1275, 1277, 1281, 1283, 1285, 1286, 1288, 1290, 1292, 1294, 1296, 1298, 1300, 1302 and 1304, all on Winnebago Street; Lots 1301, 1303, 1305, 1307, 1309 and 1311, Lots 1314, 1316, 1318, 1320, 1322, 1324, 1326, 1328, 1330 and 1332, all on Baltic Street; Lots 1329, 1331, 1333, 1335, 1337, 1339, 1341 and 1343, all on Caspian Street; Lots 1382, 1384, 1386, 1388 and 1390, all on Azof Street; Lots 1385, 1387, 1389, 1391, 1393, 1395, 1397, 1399, 1401, 1403, 1406, 1408, 1410, 1412, 1414 and 1416, all on Pepin Street; Lots 1413, 1415, 1417, 1419, 1425, 1427, 1429, 1431, 1433, 1442, 1444, 1434, 1436, 1438 and 1440, all on Boden Street; Lots 1441, 1443, 1445, 1447, 1449, 1451 and Unnumbered Lot southeasterly of Lot 1451, Lots 1464, 1466 and Unnumbered Lot southeasterly of Lot 1466, all on Simcoe Street; Unnumbered Lot on Amazon Street; all in Dubeau's Addition to Superior, in the City of Superior, Douglas County, Wisconsin.

Lots 8, 9, 10, 11, 12, 13, 14, 15, 20 and 27, Block 2; Lot 4, Block 3; Lots 2, 4, 5, 6, 7, 8, 9, 26, 27, 28 and 29 Block 10; all in Steel Plant Sixth Division, in the City of Superior, Douglas County, Wisconsin.

Lots 73, 75, 77, 79, 83, 85, 87, 89, all on Monroe Street; Lots 72, 74, 76, 78 and 80, all on Quincy Street; Lots 64 and 66 on Morrison Street; all in Morrison Division in the City of Superior, Douglas County, Wisconsin.

Lots 88, 90 and 92 on Monroe Street, in Restoration of Morrison Division, in the City of Superior, Douglas County, Wisconsin.

The W 1/2 of the SE 1/4, the NE 1/4 of the SE 1/4, the E 1/2 of the SE 1/4 of the SE 1/4 of Section 3, and the NW 1/4 of the NW 1/4, and the SW 1/4 of the NW 1/4 of Section 4, the NW 1/4 of the NW 1/4, the NE 1/4 of the NW 1/4, the NW 1/4 of the NE 1/4 and the NE 1/4 of the NE 1/4 of Section 12, all in Township 48 North, Range 13 West, in Douglas County, Wisconsin.

The NW 1/4 of the NW 1/4 and the SW 1/4 of the NE 1/4 of Section 7, Township 48 North, Range 12 West, in Douglas County, Wisconsin.

The NE 1/4 of the SW 1/4 of Section 17, Township 48 North, Range 11 West, in Douglas County, Wisconsin.

| Document Title | Date | Grantor | Grantee | Records | Book/Vol. | Page | File No. | Reference No. |
|--|----------|---------------------------------------|----------------------------------|---------|-----------|------|----------|---------------|
| Right of Way and Easement Grant | 03/05/53 | County of Douglas, State of Wisconsin | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 236 | 527 | 416793 | WI-DGL-055-B |
| Legal Description: Lot 1247 on Seneca Street, Dubeau's addition to Superior and Parcel numbered 23, Itasca Garden Tracts. | | | | | | | | |
| Right of Way and Easement Grant | 03/05/53 | County of Douglas, State of Wisconsin | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 237 | 169 | 417175 | WI-DGL-055-C |
| Legal Description: Lots 502 and 620, Subdivision of Block 60, and all of Block 40, on East 7th Street, in the Townsite of Superior; Lots 18 and 19, Block 2, Steel Plant Sixth Division; and Lot 321, Webb's Subdivision of Block 37, East Fifteenth Street, in the Townsite of Superior; All in the City of Superior. | | | | | | | | |
| Right of Way and Easement Grant | 08/27/53 | Puhakka, Arne, et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 236 | 350 | 416503 | WI-DGL-057 |
| Legal Description: SE/4 of NW/4 of Sec. 7, T48N, R12W and SW/4 of NW/4 of Sec. 7, T48N, R12W. | | | | | | | | |
| Right of Way and Easement Grant | 08/11/53 | Van Grinaven, Hubertus | Lakehead Pipe Line | Deeds | Vol. 236 | 249 | 416391 | WI-DGL-060 |

))

))

))

State of Wisconsin
County of Douglas

| Document Title | Date | Grantor | Grantee | Records | Book/Vol. | Page | File No. | Reference No. |
|----------------|------|---------|---------|---------|-----------|------|----------|---------------|
|----------------|------|---------|---------|---------|-----------|------|----------|---------------|

Company,
Inc.

Legal Description:
E/2 of NW/4 of SW/4 of Sec. 8, T48N, R12W and E/2 of W/2 of NW/4 of SW/4 of Sec. 8, T48N, R12W.

| | | | | | | | | |
|------------------------------------|----------|--|---|-------|----------|-----|--------|------------|
| Right of Way and Easement Grant | 09/09/53 | McCune, Hettie, Guardian of the Est. of Theodore Van Grinsven | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 236 | 515 | 416780 | WI-DGL-061 |
|------------------------------------|----------|--|---|-------|----------|-----|--------|------------|

Legal Description:
NW/4 of NW/4, Sec. 7 and W/2 of NE/4 of SW/4 except strip of land, Sec. 8, T48N, R12W.

| | | | | | | | | |
|------------------------------------|----------|---|---|-------|----------|-----|--------|------------|
| Right of Way and Easement Grant | 09/03/53 | Alexander, Anne A., Guardian for Waino Niemi | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 236 | 431 | 416633 | WI-DGL-063 |
|------------------------------------|----------|---|---|-------|----------|-----|--------|------------|

Legal Description:
The E 1/2 of the NE 1/4 of the SW 1/4 of Section 8, Township 48 N., Range 12 W., except a piece of land therein described as follows: Starting at the Southeast corner, thence West 660 feet, thence North 200 feet, thence East 660 feet, thence South 200 feet to the place of beginning;

That part of the NW 1/4 of the SE 1/4 of Section 8, Township 48 N., Range 12 W. which lies West and Westerly of the middle or center line of the stream known as the Annicon River at ordinary low water in said stream, except the Northerly 18 rods in width thereof.

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Right of Way and
Easement Grant 08/12/53 Schlamnek,
Karl, et ux. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 237 151 417140 WI-DGL-064

Legal Description:
SW/4 of the NW/4 of Sec. 8, South 30 acres of the SE/4 of the NE/4, Sec. 7,
T48N, R12W.

Right of Way and
Easement Grant 08/21/53 Hanson, Hilma Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 236 306 416437 WI-DGL-065

Legal Description:
All that part of the NW/4 of the SE/4, lying last of center of Annicon River,
containing 27 1/2 acres of land, more or less, Sec. 8, T48N, R12W.

Right of Way and
Easement Grant 09/02/53 Hanson,
Herman, et ux. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 236 417 416617 WI-DGL-067

Legal Description:
N/2 of NE/4 of SE/4 of Sec. 8, T48N, R12W.

Right of Way and
Easement Grant 09/05/53 Hanson, Henry
E., et al. Lakehead
Pipe Line Deeds Vol. 237 135 417113 WI-DGL-068-A

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Company,
Inc.

Legal Description:
S/2 of NE/4 of SE/4 of Sec. 8, T48N, R12W.

Right of Way and 10/07/53 Aho, David Lakehead Deeds Vol. 237 260 417357 WI-DGL-068-B
Easement Grant ux. "Pellman", et Pipe Line Company,
Inc.

Legal Description:
S/2 of NE/4 of SE/4 of Sec. 8, T48N, R12W.

Right of Way and 09/12/53 Kuvaja, Donald Lakehead Deeds Vol. 236 581 416880 WI-DGL-068-C
Easement Grant Inc.

Legal Description:
S/2 of NE/4 of SE/4 of Sec. 8, T48N, R12W.

Right of Way and 09/12/53 Sellhorn, Lakehead Deeds Vol. 237 71 417020 WI-DGL-068-D
Easement Grant Ethel, et vir Pipe Line Company,
Inc.

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Legal Description:
S/2 of NE/4 of SE/4 of Sec. 8, T48N, R12W.

Right of Way and
Easement Grant 09/08/53 Tappenden,
Viola, et vir Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 237 69 417019 WI-DGL-068-E

Legal Description:
S/2 of NE/4 of SE/4 of Sec. 8, T48N, R12W.

Right of Way and
Easement Grant 08/15/53 Hanson, Henry
E., et ux. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 236 209 416338 WI-DGL-075

Legal Description:
NW/4 of SW/4 of Sec. 9, T48N, R12W.

Untitled, Deed No.
1234, Requisition
No. 1609 07/31/53 Chicago, Saint
Paul,
Minneapolis
and Omaha
Railway
Company Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 236 195 416325 WI-DGL-077-A

))

))

))

State of Wisconsin
County of Douglas

| Document Title | Date | Grantor | Grantee | Records | Book/Vol. | Page | File No. | Reference No. |
|----------------|------|---------|---------|---------|-----------|------|----------|---------------|
|----------------|------|---------|---------|---------|-----------|------|----------|---------------|

Legal Description:

The East half of the Southeast Quarter, the Northwest Quarter of the Southeast Quarter, and the Northeast Quarter of the Southwest Quarter of Section 9, Township 48 North, Range 12 West, Douglas County, Wisconsin. Containing 7.50 acres, more or less.

| | | | | | | | | |
|----------|----------|--|----------------------------------|-------|---|---|---|------------|
| Untitled | 12/03/53 | Chicago, Saint Paul, Minneapolis and Omaha Railway Company | Lakehead Pipe Line Company, Inc. | Deeds | - | - | - | WI-DGL-078 |
|----------|----------|--|----------------------------------|-------|---|---|---|------------|

Legal Description:

Sec. 8, T48N, R13W.

| | | | | | | | | |
|---------------------------------|----------|-------------------------|----------------------------------|-------|----------|-----|--------|------------|
| Right of Way and Easement Grant | 08/06/53 | Colby, Elmer A., et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 236 | 318 | 416472 | WI-DGL-079 |
|---------------------------------|----------|-------------------------|----------------------------------|-------|----------|-----|--------|------------|

Legal Description:

SW/4 of the SW/4 of Sec. 10, T48N, R12W.

| | | | | | | | | |
|---------------------------------|----------|----------------------|----------------------------------|-------|----------|-----|--------|------------|
| Right of Way and Easement Grant | 08/06/53 | Wick, August, et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 236 | 251 | 416392 | WI-DGL-080 |
|---------------------------------|----------|----------------------|----------------------------------|-------|----------|-----|--------|------------|

Vol 519 Pgs 375

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Legal Description:
SE/4 of the SW/4 of Sec. 10, T48N, R12W.

Right of Way and
Easement Grant 09/02/53 Esselstrom,
Melvin Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 236 393 416590 WI-DGL-081-A

Legal Description:
SW/4 of SE/4, Sec. 10 and SW/4 of SE/4 of Sec. 9, T49N, R12W.

Right of Way and
Easement Grant 11/04/53 Esselstrom,
Fred Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 237 427 417587 WI-DGL-081-B

Legal Description:
SW/4 of SE/4 of Sec. 10, T48, R12.

Right of Way and
Easement Grant 08/22/53 Pank, Russell
G., et ux. Lakehead
Pipe Line
Company,
Inc. Deeds 236 308 416438 WI-DGL-082-A

Legal Description:
SE/4 of SE/4 and NE/4 of SE/4 of Sec. 10, T48N, R12W.

| Document Title | Date | Grantor | Grantee | Records | Book/Vol. | Page | File No. | Reference No. |
|---|----------|---------------------------------------|----------------------------------|---------|-----------|------|----------|---------------|
| Right of Way and Easement Grant | 09/04/53 | Pank, Herbert, W. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 236 | 559 | 416839 | WI-DGL-082-B |
| Legal Description: SE/4 of SE/4 and NE/4 of Sec. 10, T48N, R12W. | | | | | | | | |
| Right of Way and Easement Grant | 08/05/53 | Zurns, Roy, et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 236 | 253 | 416393 | WI-DGL-083 |
| Legal Description: SW/4 of SW/4 of Sec. 11, T48N, R12W. | | | | | | | | |
| Order Approving Transmission Line Construction on Highways before The State Highway Commission of Wisconsin Permit No. 271-B | 06/30/53 | State Highway Commission of Wisconsin | Lakehead Pipe Line Company, Inc. | - | - | - | - | WI-DGL-085 |
| Legal Description: Town of Lakeside, State Trunk Highway No. 13 between Sec. 11 and T48N, R12W and State Trunk No. 2 and 53 in the SE/4 in Sec. 4, T48N, R13W in City of Superior, Douglas County, Wisconsin. | | | | | | | | |

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Right of Way and
Easement Grant 08/08/53 Hogdahl,
Gidson, et ux. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 236 291 416412 WI-DGL-086

Legal Description:
NW/4 of NW/4 of Sec. 14, T48N, R12W.

Right of Way and
Easement Grant 08/05/53 Foreman,
Waldemar, et
al. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 236 269 416401 WI-DGL-087

Legal Description:
NE/4 of NW/4 of Sec. 14, T48N, R12W.

Right of Way and
Easement Grant 08/05/53 Johnson, Aina,
et vlr. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 236 271 416402 WI-DGL-090

Legal Description:
NW/4 of NE/4, SE/4 of NE/4 and NE/4 of NE/4, except parcel in NE
corner and except 3 rods wide strip. Both exceptions being in NE/4 of NE/4 of
Sec. 14, T48N, R12W.

Right of Way and
Easement Grant Nielsen,
Mandrop Lakehead
Pipe Line Deeds Vol. 236 267 416400 WI-DGL-092

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Company,
Inc.

Legal Description:
SE/4, NW/4 and SW/4, NW/4 of Sec. 13, T48N, R12W

Right of Way and
Easement Grant 08/05/53 Swenson,
Alfred, et ux. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 236 320 416473 WI-DGL-093

Legal Description:
W/2 of SW/4 of NE/4 of Sec. 13, T48N, R12W

Right of Way and
Easement Grant 08/06/53 Hegdahl,
David, et ux. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 236 255 416394 WI-DGL-094

Legal Description:
SE/4 of NE/4 West of Middle River and E/2 of SW/4 of NE/4, Sec. 13, T48N,
R12W.

Right of Way and
Easement Grant 08/05/53 Johnson, Fred,
et ux. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 236 257 416395 WI-DGL-095

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Legal Description:
SW/4 of NW/4 of Sec. 18, T48N, R11W, NE/4 of NE/4 East of Middle River, and SE/4 of NE/4 East of Middle River, Sec. 13, T48N, R12W.

Right of Way and
Easement Grant 08/08/53 Lintula, Elmer
A., et ux. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 236 285 416409 WI-DGL-096

Legal Description:
SE/4 of NW/4 of Sec. 18, T48N, R11W

Right of Way and
Easement Grant 08/08/53 Bitner, Martin
L., et ux. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 236 287 416410 WI-DGL-097

Legal Description:
N/2 of NW/4 of SE/4 and N/2 of NE/4 of SW/4 of Sec. 18, T48N, R11W

Right of Way and
Easement Grant 08/14/53 Ahola, August,
et ux. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 236 219 416348 WI-DGL-099

Legal Description:
NE/4 of SE/4, SW/4 of NE/4 and SE/4 of NE/4 of Sec. 18, T48N, R11W

| Document Title | Date | Grantor | Grantee | Records | Book/Vol. | Page | File No. | Reference No. |
|--|----------|-------------------------------------|---|---------|-----------|------|----------|---------------|
| Right of Way and Easement Grant | 08/04/53 | Gustafson, Gustaf, H., et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 236 | 289 | 416411 | WI-DGL-100 |
| <u>Legal Description:</u> NW/4 of SW/4 of Sec. 17, T48N, R11W | | | | | | | | |
| Right of Way and Easement Grant | 08/04/53 | Miltanen, Eino, et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 236 | 322 | 416474 | WI-DGL-102 |
| <u>Legal Description:</u> NE/4 of SE/4, NW/4 of SE/4 of Sec. 17, T48N, R11W | | | | | | | | |
| Right of Way and Easement Grant | 08/04/53 | Maki, Edward | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 236 | 259 | 416396 | WI-DGL-103 |
| <u>Legal Description:</u> NW/4 of SW/4 of Sec. 16, T48N, R11W | | | | | | | | |
| Right of Way and Easement Grant | 08/04/53 | Murmi, Werner | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 236 | 167 | 416301 | WI-DGL-104 |

| Document Title | Date | Grantor | Grantee | Records | Book/Vol. | Page | File No. | Reference No. |
|--|----------|------------------------------|---|---------|-----------|------|----------|---------------|
| Legal Description: SW/4 of SW/4 of Sec. 16, T16N, R11W | | | | | | | | |
| Right of Way and Easement Grant | 08/15/53 | Albright, Margaret | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 236 | 221 | 416349 | WI-DGL-106 |
| Legal Description: SW/4 of SE/4 and SE/4 of SW/4 of Sec. 16, T48N, R11W | | | | | | | | |
| Right of Way and Easement Grant | 08/04/53 | Ritzen, Helmer C., et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 236 | 344 | 416500 | WI-DGL-107 |
| Legal Description: SW/4 of SW/4, Sec. 15 and SE/4 of SE/4, Sec. 16, T48N, R11W | | | | | | | | |
| Right of Way and Easement Grant | 08/04/53 | Lund, Fred, et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 236 | 324 | 416475 | WI-DGL-108 |
| Legal Description: S/2 of the SE/4 of the SE/4 and W/2 of SE/4 of SW/4 of Sec. 15, T48N, R11W. | | | | | | | | |

| Document Title | Date | Grantor | Grantee | Records | Book/Vol. | Page | File No. | Reference No. |
|---|----------|-------------------------|----------------------------------|---------|-----------|------|----------|---------------|
| Right of Way and Easement Grant | 08/05/53 | Pellinen, Heino | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 236 | 326 | 416476 | WI-DGL-109 |
| <u>Legal Description:</u> East 5 acres out of SE/4 of SW/4 and 15 acres out of E/2 of SE/4 of SW/4 of Sec. 15, T48N, R11W. | | | | | | | | |
| Right of Way and Easement Grant | 09/02/53 | Hokkala, Arthur, et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 236 | 395 | 416591 | WI-DGL-112 |
| <u>Legal Description:</u> E/2 of W/2 of SW/4 of SE/4 of Sec. 15, T48N, R11W. | | | | | | | | |
| Right of Way and Easement Grant | 09/02/53 | Pellinen, Heino | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 236 | 419 | 416618 | WI-DGL-113 |
| <u>Legal Description:</u> That part of the SW/4 of SE/4 except SE 10 acres heretofore conveyed by deed dated 3/12/14 and recorded in Book 122 of Deeds, Page 512 out of Sec. 15, T48N, R11W. | | | | | | | | |
| Right of Way and Easement Grant | 09/22/53 | Hokkala, | Lakehead | Deeds | Vol. 236 | 601 | 416910 | WI-DGL-114 |

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Easement Grant Beella Pipe Line Company, Inc.

Legal Description:
SE/4 of SW/4 of SE/4 of Sec. 15, T48N, R11W

Right of Way and Easement Grant 08/04/53 Olson, William, et ux. Lakehead Pipe Line Company, Inc. Deeds Vol. 236 273 416403 WI-DGL-120

Legal Description:
SW/4 of the SW/4 of Sec. 14, T48N, R11W

Right of Way and Easement Grant 08/04/53 Hakkila, Toivo, et ux. Lakehead Pipe Line Company, Inc. Deeds Vol. 236 430 416302 WI-DGL-121

Legal Description:
W/2 of SW/4 of SE/4 and SE/4 of SW/4 of Sec. 14, T48N, R11W

Right of Way and Easement Grant 09/02/53 Hakkila, Toivo, et ux. Lakehead Pipe Line Company, Inc. Deeds Vol. 236 397 416592 WI-DGL-122

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Legal Description:
S/2 of SW/4 of the SE/4 of Sec. 14, T48N, R11W

Right of Way and
Easement Grant Koivu, Joseph,
et ux. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 236 211 416339 WI-DGL-124

Legal Description:
SE/4 of SE/4 of Sec. 14, T48N, R11W

Right of Way and
Easement Grant 08/24/53 Eskolin,
George N. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 236 588 416895 WI-DGL-127

Legal Description:
NW/4 of NW/4 of Sec. 24 and NE/4 of NE/4 of Sec. 23, T48N, R11W

Right of Way and
Easement Grant 08/06/53 Perala, Evalt,
et ux. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 236 261 416397 WI-DGL-128

Legal Description:
NE/4 of the NW/4 of Sec. 24, T48N, R11W

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Right of Way and
Easement Grant Aho, Sam, et
ux. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 236 263 416398 WI-DGL-129

Legal Description:
NW/4 of the NW/4 of Sec. 19, T48N, R10W

Right of Way and
Easement Grant 08/03/53 Anderson,
Fiina Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 236 265 416399 WI-DGL-130

Legal Description:
NE/4 of NW/4 of Sec. 19, T48N, R10W and NE/4 of NE/4 and N/2 of NW/4 of NE/4
of Sec. 24, T48N, R11W.

Right of Way and
Easement Grant 08/07/53 Ukkola,
Theodore, et
ux. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 236 275 416404 WI-DGL-131

Legal Description:
NE/4 of NE/4 and NW/4 of NE/4 of Sec. 19, T48N, R10W

Right of Way and
Easement Grant 08/11/53 Williams,
Ruby, et vir
ux. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 237 161 417205 WI-DGL-132

| Document Title | Date | Grantor | Grantee | Records | Book/Vol. | Page | File No. | Reference No. |
|--|----------|----------------------------|---|---------|-----------|------|----------|---------------|
| <u>LEGAL DESCRIPTION:</u> NW/4 of NW/4 of Sec. 21 and NE/4 of NE/4 of Sec. 20, T48N, R10W | | | | | | | | |
| Right of Way and Easement Grant | 08/10/53 | Maki, Eino, et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 236 | 461 | 416684 | WI-DGL-136 |
| <u>LEGAL DESCRIPTION:</u> NE/4 of NW/4 of Sec. 21, T48N, R10W | | | | | | | | |
| Right of Way and Easement Grant | 08/07/53 | Wittala, Herman, et al. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 236 | 279 | 416406 | WI-DGL-137 |
| <u>LEGAL DESCRIPTION:</u> NW/4 of NE/4 of Sec. 21, T48N, R10W | | | | | | | | |
| Right of Way and Easement Grant | 08/03/53 | Boroo, Arne, et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 236 | 171 | 416303 | WI-DGL-138 |
| <u>LEGAL DESCRIPTION:</u> NE/4 of NE/4 of Sec. 21, T48N, R10W | | | | | | | | |

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Right of Way and
Easement Grant 08/03/53 Aho, Herbert
E., et ux. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 236 173 416304 WI-DGL-139

Legal Description:
W/2 of NE/4 of NW/4 and NW/4 of NW/4 of Sec. 22, T48N, R10W

Right of Way and
Easement Grant 08/03/53 Rantala,
Martin, et ux. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 236 175 416305 WI-DGL-140

Legal Description:
E/2 of NE/4 of NW/4 of Sec. 22, T48N, R10W

Right of Way and
Easement Grant 08/03/53 Blomquist,
Rudolph Albin,
et ux. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 236 177 416306 WI-DGL-142

Legal Description:
NW/4 of NE/4 of Sec. 22, T48N, R10W

Right of Way and
Easement Grant 08/19/53 Snodgrass,
Thomas J., et
ux. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 236 232 416374 WI-DGL-144

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Legal Description:
N/2 of NE/4 of NE/4, West of Brule River, Sec. 22, T48N, R10W

Working Rights Agreement 07/29/53 Greenfield, Hugh, et ux. Lakehead Pipe Line Company, Inc. Agreements Vol. 41 35 417441 WI-DGL-145

Legal Description:
A strip of land 20 feet in width and 50 feet in length off that part of the North 330 feet of that portion of the S/2 of the NE/4 of the NE/4 of Sec. 22, T48, R10W lying westerly of the Brule River.

Right of Way and Easement Grant 07/31/53 Steiner, Harold G., et ux. Lakehead Pipe Line Company, Inc. Deeds Vol. 236 405 416611 WI-DGL-149-A

Legal Description:
NE/4 of the NE/4 East of the Brule River of Sec. 22, T48, R10W and NW/4 of the NW/4 of Sec. 23, T48, R10W

Working Rights Agreement 07/31/53 Harold G. Steiner, et ux. Lakehead Pipe Line Company, Inc. - - - WI-DGL-149-B

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Legal Description:
NE 1/4 NE 1/4 of Sec. 22, T48, R10W, lying Easterly of the Brule River.

Right of Way and
Easement Grant 08/11/53 Town of Brule Lakehead
Pipe Line
Company,
Inc. Deeds Book 236 293 416413 WI-DGL-153

Legal Description:
A strip of land 1 rod wide running east and west on the north side of the NE/4 of the NW/4, and a strip of land 1 rod wide north and south on the west side of the NE/4 of the NW/4 of Sec. 23, T48N, R10W.

Right of Way and
Easement Grant 08/06/53 Yrjanainen,
John, et ux. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 236 281 416407 WI-DGL-155

Legal Description:
NE/4 of the NW/4, except two parcels, of Sec. 23, T48N, R10W

Right of Way and
Easement Grant 09/09/53 Baumgartner,
Josephine, et
al. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 236 535 416812 WI-DGL-158

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Local Description:
SW/4 of NE/4 and NW/4 of NE/4 of Sec. 23, T48N, R10W

Right of Way and
Easement Grant 10/28/53 Husted, Orlan
V., et ux. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 237 414 417565 WI-DGL-159

Local Description:
That part of SE 1/4 of NE 1/4, Section 23, Township 48, Range 10, West,
described as follows: Beginning at a point where the East and West quarter
line of said Section 23 intersects the Westerly boundary line of County Trunk
Highway "H", thence West on said Quarter line a distance of 264 feet; thence
Northwesterly parallel to the said highway boundary a distance of 346.5 feet,
thence Easterly parallel to the said East and West quarter line to an
intersection with the Westerly boundary line of said County Highway "H",
thence SEly along said Hwy boundary line a distance of 346.5 feet to the point
of beginning.

Right of Way and
Easement Grant 08/07/53 Main, Earl P. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 236 283 416408 WI-DGL-160

Local Description:
SE/4 of NE/4 (West of Highway "H" and exc. 223D508) of Sec. 23, T48N, R10W.

Right of Way and
Easement Grant 08/13/53 Keinanen,
Oscar Lakehead
Pipe Line Deeds Vol. 236 207 416337 WI-DGL-162

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Company,
Inc.

Legal Description:
SW/4 NE/4 of SW/4 and N/2 NE/4 of Sec. 24, T48N, R10W

Right of Way and 08/03/53 Anderson, John Lakehead Deeds Vol. 236 179 416307 WI-DGL-163-A
Easement Grant R., et ux. Pipe Line Company,
Inc.

Legal Description:
SW/4 of the NW/4 of Sec. 24, T48N, R10W

Right of Way and 09/01/53 County of Lakehead Deeds Vol. 236 383 416569 WI-DGL-163-B
Easement Grant Douglas Pipe Line Company,
Inc.

Legal Description:
Lots 1405 and 1418 on Pepin Street; Lot 1392 on Arof Street; Lots 1334 and 1336 on Baltic Street; Lot 1306 on Winnebago Street; and Lot 1278 on Seneca Street; Unnumbered Lot lying southeasterly of Lot 1444 on Boden Street; all in Dubeau's Addition to Superior, in the City of Superior, Douglas County, Wisconsin;

Lots 62, 68, 70, 72, 74, 76, 78, 80, 82, 84, 86, 88, 90, 92, 94, 96, 98, 100 and 102 on Morrison Street; Lot 71 on Quincy Street; Lot 81 on Monroe Street; all in Morrison Division in the City of Superior, Douglas County, Wisconsin;

Lots 23 and 24, Block 2, and Lots 3 and 30, Block 10, Steel Plant Sixth Division, in the city of Superior, Douglas County, Wisconsin;

Lot 304, Block 34; Lot 318, Block 36, all on East Sixteenth Street, in

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Industrial Center, being a Subdivision of Blocks in the Eastern Division of the Townsite of Superior, in the City of Superior, Douglas County, Wisconsin;
 Lot 526, Subdivision of Block 62 on East Seventh Street, and Lots 530, 532 and 534 in the Subdivision of Block 64 on East Seventh Street, all in the Eastern Division, in the City of Superior, Douglas County, Wisconsin;
 The W 1/2 of the SE 1/4 of the SE 1/4 of Section 3, Township 48 North, Range 13 West, in Douglas County, Wisconsin;
 N 1/2 of Block 2 and all of Blocks 3 and 4, Victoria Addition to Superior, Wisconsin, being a plat of E 1/2 of NE 1/4 of Section 11, Township 48 North, Range 13 West, in Douglas County, Wisconsin;
 That part of the SE 1/4 of the NE 1/4 of Section 23, Township 48 North, Range 10 West, lying East of County Highway "H" in Douglas County, Wisconsin.

Right of Way and
Easement Grant 08/04/53 Copp, Matt, J. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 236 181 416308 WI-DGL-164

Legal Description:
SE/4 of NW/4 of Sec. 24, T48N, R10W

Right of Way and
Easement Grant 08/03/53 Leppanen,
Hilja Maria Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 236 183 416309 WI-DGL-167

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

LEGAL DESCRIPTION:
NW/4 of SE/4 of Sec. 24, T48N, R10W

Right of Way and Easement Grant 08/07/53 Mentels, Arnold, et ux. Lakehead Pipe Line Company, Inc. Deeds Vol. 236 342 416499 WI-DGL-168

LEGAL DESCRIPTION:
NE/4 of SE/4 of Sec. 24, T48N, R10W

Right of Way and Easement Grant 11/22/67 Douglas Co., Wisconsin Lakehead Pipe Line Company, Inc. Deeds Vol. 290 617 485645 WI-DGL-169

Amendment 11/14/67 Agreements Vol. 77 391 489901
Amendment 11/05/68 Deeds Vol. 294 552 490677
Amendment 03/21/69 Deeds Vol. 296 110 492437

LEGAL DESCRIPTION:
Gov't. Lot 6, Sec. 1, T48N, R14W.

The East half (E 1/2) of the Northeast quarter (NE 1/4), the Northeast quarter (NE 1/4) of the Southeast quarter (SE 1/4), Section 12, Township 48 North, Range 14 West and the Southwest quarter (SW 1/4), Section 7, Township 48 North, Range 13 West

All of Section 18, Township 48 North, Range 13 West

The Northeast quarter (NE 1/4), Section 19, the Northwest Quarter (NW 1/4), the North half (N 1/2) of the Southwest quarter (SW 1/4), Section 20, all in Township 48 North, Range 13 West

)
Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

The Northeast quarter (NE 1/4), the East half (E 1/2) of the Southeast quarter (SE 1/4), Section 29, Township 48 North, Range 13 West

The West half (W 1/2) of the Northwest quarter (NW 1/4) of the Northwest quarter (NW 1/4), the North half (N 1/2) of the South half (S 1/2) of the Northeast quarter (NE 1/4) of the Southwest quarter (SW 1/4), Section 33, Township 48 North, Range 13 West

The North half (N 1/2) of the Northeast quarter (NE 1/4), the North half (N 1/2) of the South half (S 1/2) of the Northeast quarter (NE 1/4), Section 4, Township 47 North, Range 13 West and the South half (S 1/2) of the Northwest quarter (NW 1/4) of the Southwest quarter (SW 1/4), Section 3, township 47 North, Range 13 West

The Northwest quarter (NW 1/4) of the Northwest quarter (NW 1/4), Section 25, Township 47 North, Range 13 West

The East half (E 1/2) of the Northeast quarter (NE 1/4), Section 12, Township 46 North, Range 13 West and the East half (E 1/2) of the Northwest quarter (NW 1/4), the Southwest quarter (SW 1/4), Section 7, Township 46 North, Range 12 West

The North half (N 1/2) of the Northwest quarter (NW 1/4), the Southwest quarter (SW 1/4), the Southeast quarter (SE 1/4), Section 18, Township 46 North, Range 12 West

The North half (N 1/2) of the Northeast quarter (NE 1/4), Section 19, Township 46 North, Range 12 West

The North half (N 1/2) of the Northwest quarter (NW 1/4), the Southwest quarter (SW 1/4) of the Northwest quarter (NW 1/4), the Southeast quarter (SE 1/4) of the Southwest quarter (SW 1/4), Section 29, Township 46 North, Range 12 West

The Northeast quarter (NE 1/4) of the Southeast quarter (SE 1/4), Section 32, Township 46 North, Range 12 West

The Northwest quarter (NW 1/4), the North half (N 1/2) of the Southwest quarter (SW 1/4), Section 4, Township 45 North, Range 12 West

The West half (W 1/2) of the Northeast quarter (NE 1/4), the East half (E 1/2)

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

of the Southeast quarter (SE 1/4), Section 9, Township 45 North, Range 12 West

The East half (E 1/2) of the Northwest quarter (NW 1/4), the Southwest quarter (SW 1/4), Section 15, Township 48 North, Range 12 West

The East half (E 1/2) of the Southeast quarter (SE 1/4), Section 2, Township 44 North, Range 12 West

The East half (E 1/2) of the Southeast quarter (SE 1/4) of the Northeast quarter (NE 1/4), Section 11, Township 44 North, Range 12 West

The West half (W 1/2), Section 13, Township 44 North, Range 12 West

The West half (W 1/2) of the Southeast quarter (SE 1/4) lying West of railroad, Section 24, Township 44 North, Range 12 West

The East half (E 1/2) of the East half (E 1/2), Section 25, EXCEPT railroad right-of-way, Township 44 North, Range 12 West

The Northeast quarter (NE 1/4) of the Northeast quarter (NE 1/4), Section 36, Township 44 North, Range 12 West

The South half (S 1/2) of the Southeast quarter (SE 1/4), Section 6, Township 43 North, Range 11 West

The Northeast quarter (NE 1/4) of the Northeast quarter (NE 1/4), Section 7, Township 43 North, Range 11 West

The Southeast quarter (SE 1/4) of the Northwest quarter (NW 1/4), the Northeast quarter (NE 1/4) of the Southwest quarter (SW 1/4), the Southwest quarter (SW 1/4) of the Southeast quarter (SE 1/4), Section 28, Township 43 North, Range 11 West

The Northeast quarter (NE 1/4), the Southeast quarter (SE 1/4) of the Southeast quarter (SE 1/4), Section 33, Township 43 North, Range 11 West and the Southwest quarter (SW 1/4) of the Southwest quarter (SW 1/4), Section 34, Township 43 North, Range 11 West

| Document Title | Date | Grantor | Grantee | Records | Book/Vol. | Page | File No. | Reference No. |
|--------------------|----------|---------------------------|----------------------------------|---------|-----------|------|----------|---------------|
| Right of Way Grant | 10/23/50 | Benvall, Viljo A., et al. | Lakehead Pipe Line Company, Inc. | Deeds | Book 220 | 272 | 403554 | WI-DGL-170 |

Legal Description:
Lot 251 on West 2nd Street, Townsite of Superior, Wisconsin

| | | | | | | | | |
|------------------------------------|----------|-----------------------------------|---|-------|----------|-----|--------|------------|
| Right of Way and Easement Grant | 11/28/67 | City of Superior, Wisconsin | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 290 | 621 | 485646 | WI-DGL-171 |
|------------------------------------|----------|-----------------------------------|---|-------|----------|-----|--------|------------|

LEGAL DESCRIPTION:

The following described tracts of land in the South half (S 1/2) of Section 36, Township 49 North, Range 14 West: (a) Government Lot 1 (b) A tract of land described as follows: Beginning at the Southwest corner of the Southeast quarter (SE 1/4), Section 36, Township 49 North, Range 14 West, and proceeding North along the quarter section line a distance of 1482.04 feet, thence at an angle of 90 degrees 3 1/2' to the right and proceeding for a distance of 1660.00 feet, thence turning at an angle of 46 degrees 10' 40" to the right, thence proceeding to the Northerly bank of the Menadji River as now situated, thence proceeding in a Westerly direction along the bank of the Menadji River and following said bank to the South Section line of said Southeast quarter (SE 1/4), thence proceeding Westerly along the South Section line to the point of beginning;

The Northwest quarter (NW 1/4) of the Northeast quarter (NE 1/4) except (277 Deeds, page 553 and 279 Deeds, page 209), Section 1 and that part of Government Lot 7 known as the West half (W 1/2) of the Southwest quarter (SW 1/4) of the Northeast quarter (NE 1/4), Section 1, Township 48 North, Range 14 West.

Government Lots 2 and 3, Section 1, Township 48 North, Range 14 West.

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Right of Way and
Easement Grant 10/27/67 Palm, Clarence Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 290 453 485355 WI-DGL-172

LEGAL DESCRIPTION:

Commencing at the Northwest corner of the Northwest quarter (NW 1/4) of the Northeast quarter (NE 1/4) of Section 1, Township 48 North, Range 14 West, thence South along the West line of said forty acre tract a distance of 400 feet to the place of beginning, thence East on a line parallel to the North line of said Section a distance of 150 feet, thence South on a line parallel to the West line of said forty acre tract a distance of 200 feet, thence West on a line parallel to the North line of said Section to the West line of said 40 acre tract, thence North along the West line of said forty acre tract to the place of beginning.

Right of Way and
Easement Grant 10/27/67 Lake Superior
Mink Farm,
Inc., a
Wisconsin
corp. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 290 451 485354 WI-DGL-173

LEGAL DESCRIPTION:

Commencing at the Northwest corner of the Northwest quarter (NW 1/4) of the Northeast quarter (NE 1/4), Section 1, Township 48 North, Range 14 West, thence South a distance of 283 feet to a point marked by a 1/2 inch iron pipe, thence running East at right angles to the West line of said Section 1 a distance of 1287.6 feet parallel with the North line of said Section 1, to a point marked by a 3/4 inch iron pipe; thence running North at right angles parallel to the West line of said Section 1, a distance of 818 feet to a point marked by a 3/4 inch iron pipe; thence running West at right angles along the North line of said Section 1 a distance of 1290.17 feet to the point of beginning, containing 24.28 acres, more or less, all in the North half (N 1/2) of the Northwest quarter (NW 1/4) of the Northeast quarter (NE 1/4) of Section 1, Township 48 North, Range 14 West, except that part thereof described in

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Book 279 of Deeds, page 209.

Ratification of Pipeline Right of Way and Easement Grant 03/11/69 Kennelly, Myron T., et ux. Lakehead Pipe Line Company, Inc. Deeds Vol. 295 594 492085 WI-DGL-175

Legal Description:
Govt. Lot 6, Sec. 1, T48N, R14W

Permit No. 75559 02/06/68 Great Northern Railway Co. Lakehead Pipe Line Company, Inc. - - - - WI-DGL-177

Legal Description:
Sec. 12, T48N, R14W

Right of Way and Easement Grant 04/02/68 Gillette, D. Dale, et ux. Lakehead Pipe Line Company, Inc. Deeds Vol. 292 359 487315 WI-DGL-178

Legal Description:
The East 49.84 acres of the Northwest Quarter (NW 1/4) and the Southeast Quarter (SE 1/4) EXCEPT the railroad right of way Section 18; the Northeast Quarter (NE 1/4) Section 19; the Northwest Quarter (NW 1/4) and the North Half (N 1/2) of the Southwest Quarter (SW 1/4) and the Southwest Quarter (SW 1/4) of the Southeast Quarter (SE 1/4); Section 20; and the Northeast Quarter (NE 1/4) except the North Half (N 1/2) of the Northwest Quarter (NW 1/4) of the

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Southwest Quarter (SW 1/4) of the Northeast Quarter (NE 1/4) and the Northwest Quarter (NW 1/4), except the East Half (E 1/2) of the Southwest Quarter (SW 1/4) of the Northwest Quarter (NW 1/4), Section 29. All being in Township 48 North, Range 13 West.

Right of Way and Easement Grant 11/14/67 Larson, James O., et ux. Lakehead Pipe Line Company, Inc. Deeds Vol. 290 612 485633 WI-DGL-179

Legal Description:
S 1/2 SW 1/4, Sec. 20, T48N, R13W

Right of Way and Easement Grant 10/11/67 Meyers, George, et ux. Lakehead Pipe Line Company, Inc. Deeds Vol. 290 322 485098 WI-DGL-180

Legal Description:
SW 1/4 SW 1/4, Sec. 28, T48N, R13W

Right of Way and Easement Grant 11/15/67 Gunnell, Nellie M. Lakehead Pipe Line Company, Inc. Deeds Vol. 291 22 485756 WI-DGL-181

Legal Description:
W 1/2 E 1/2 NW 1/4 NW 1/4, Sec. 33, T48N, R13W

| Document Title | Date | Grantor | Grantee | Records | Book/Vol. | Page | File No. | Reference No. |
|--|----------|-----------------------------|----------------------------------|---------|-----------|------|----------|---------------|
| Right of Way and Easement Grant | 10/18/67 | Olson, Gerald E., et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 290 | 415 | 485282 | WI-DGL-182 |
| <u>Legal Description:</u> N 1/2 SW 1/4 NW 1/4 and N 1/2 S 1/2 SW 1/4 NW 1/4, Sec. 33, T48N, R13W | | | | | | | | |
| Right of Way and Easement Grant | 10/25/67 | Larson, Erik A. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 290 | 455 | 485356 | WI-DGL-183 |
| <u>Legal Description:</u> S 1/2 N 1/2 SE 1/4 NW 1/4, Sec. 33, T48N, R13W | | | | | | | | |
| Right of Way and Easement Grant | 10/16/67 | Huppert, Herbert F., et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 290 | 387 | 485209 | WI-DGL-184 |
| <u>Legal Description:</u> S 1/2 SE 1/4 NW 1/4, Sec. 33, T48N, R13W, also, W 1/2 SE 1/4, Sec. 33, T48N, R13W | | | | | | | | |
| Right of Way and Easement Grant | 10/21/67 | Hooper, W. E., et ux. | Lakehead Pipe Line Company, | Deeds | Vol. 290 | 457 | 485357 | WI-DGL-185 |

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Inc.

Legal Description:
N 1/2 N 1/2 NE 1/4 SW 1/4, Also, S 1/2 N 1/2 NE 1/4 SW 1/4, Sec. 33, T48N, R13W

Right of Way and
Easement Grant 10/21/67 Hooper, W. E.,
et ux. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 290 459 485358 WI-DGL-186

Legal Description:
S 1/2 S 1/2 NE 1/4 SW 1/4, Sec. 33, T48N, R13W

Right of Way and
Easement Grant 10/17/67 Boustead,
Leslie, et ux. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 290 405 485269 WI-DGL-187

Legal Description:
S 3/4 SE 1/4 SW 1/4, Also N 1/2 N 1/2 SE 1/4 SW 1/4, Sec. 33, T48N, R13W

Right of Way and
Easement Grant 12/01/67 Kanský, Joseph
H. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 291 172 485906 WI-DGL-188

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Legal Description:
S 1/2 SW 1/4 NE 1/4; S 1/2 SE 1/4 NE 1/4 and all of the SW 1/4, Sec. 4, T47N, R13W

Right of Way and
Easement Grant 10/09/67 Barstad, Julia
H. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 290 324 485099 WI-DGL-189-A

Legal Description:
SW 1/4 SW 1/4, Sec. 3, T47N, R13W

Right of Way and
Easement Grant 10/09/67 Barstad, Julia
H. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 290 407 485270 WI-DGL-189-B

Legal Description:
NW 1/4 NW 1/4, Sec. 10, T47N, R13W

Right of Way and
Easement Grant 10/11/67 Eastern,
Francis E., et
ux. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 290 326 485100 WI-DGL-190

Legal Description:
Northwest quarter (NE 1/4) of the Northwest quarter (NW 1/4), except a rectangular tract of about two acres in the Southeast corner, described as follows: Commencing in the Southeast corner of said described forty acre

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Easement Grant Elmer Pipe Line Company, Inc.

Legal Description:
N 1/2 SW 1/4 SE 1/4, Sec. 10, T47N, R13W

Right of Way and Easement Grant 12/04/67 Wiesner, Wilford O., et al. Lakehead Pipe Line Company, Inc. Deeds Vol. 291 622 4896717 WI-DGL-194

Legal Description:
The south one-half (S 1/2) of the Southwest quarter (SW 1/4) of the Southeast quarter (SE 1/4) of Section 10, Township 47 North, Range 13 West; The Northwest quarter (NW 1/4) of the Northeast quarter (NE 1/4); the Southwest quarter (SW 1/4) of the Northeast quarter (NE 1/4) and the Southeast quarter (SE 1/4) of the Northeast quarter (NE 1/4), Section 15, Township 47 North, Range 13 West.

Right of Way and Easement Grant 12/30/67 Perala, Russell W., et ux. Lakehead Pipe Line Company, Inc. Deeds Vol. 291 328 486257 WI-DGL-195

Legal Description:
SE 1/4 SE 1/4, Sec. 10, T47N, R13W, and NE 1/4 NE 1/4, Sec. 15, T47N, R13W

Right of Way and 10/14/67 Lally, Mary Lakehead Deeds Vol. 290 344 485134 WI-DGL-196

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Easement Grant Elizabeth Pipe Line Company, Inc.

Legal Description:
N 1/2 SW 1/4 SW 1/4; NW 1/4 SW 1/4; and SW 1/4 NW 1/4, Sec. 14, T47N, R13W

Right of Way and Easement Grant 02/14/68 Burosh, George, et ux. Lakehead Pipe Line Company, Inc. Deeds Vol. 292 79 486855 WI-DGL-197-A

Legal Description:
NE 1/4 SW 1/4, Sec. 14, T47N, R13W

Ratification of Pipeline Right of Way and Easement Grant 10/29/68 Schmidt, Art, et ux. Lakehead Pipe Line Company, Inc. Deeds Vol. 294 534 490645 WI-DGL-197-B

Legal Description:
NE 1/4 SW 1/4, Sec. 14, T47N, R13W

Right of Way and Easement Grant 10/11/67 Nelson, Clarence G., et ux. Lakehead Pipe Line Company, Inc. Deeds Vol. 290 330 485102 WI-DGL-198

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Legal Description:
SE 1/4 SW 1/4, Sec. 14, T47N, R13W

Right of Way and
Easement Grant 11/04/67 Ellison,
Clarence H.,
et ux. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 291 440 486424 WI-DGL-199

Legal Description:
NE 1/4 NW 1/4, except that part lying northerly and westerly of Amnicon River
in Sec. 23, T47N, R13W

Right of Way and
Easement Grant 03/06/68 Carlson, Ethel
V. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 292 176 487064 WI-DGL-200

Legal Description:
A strip of land 80 feet wide crossing a part of the West One-Half (W 1/2) of
the Northeast Quarter (NE 1/4) of Section 23 Township 47 North, Range 13 West,
Douglas County, Wisconsin. Being 60 feet perpendicular distance westerly and
20 feet perpendicular distance easterly of and parallel to the survey line for
the proposed pipeline, being more particularly described as follows:

Beginning at a point in the North and South Quarter Section Line, said point
being 886 feet South of the Northwest corner of the West One-Half (W 1/2) of
the Northeast Quarter (NE 1/4), Township 47 North, Range 13 West, thence South
24 degrees 47' East a distance of 410', thence South 30 degrees 22' East a
distance of 1639 feet to a point in the South Line of the West One-Half (W
1/2) of the Northeast Quarter (NE 1/4) said point being 1583' West of the
Southeast corner of the Northeast Quarter (NE 1/4), Section 23.

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Right of Way and
Easement Grant 10/30/67 Wheeler,
Melvin, et ux. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 290 463 485360 WI-DGL-201

Local Description:
SE 1/4 Sec. 23, T47N, R13W

Right of Way and
Easement Grant 10/12/67 White, Robert
J., et ux. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 290 346 485135 WI-DGL-202

Local Description:
NE 1/4 NE 1/4, Sec. 26, T47N, R13W

Right of Way and
Easement Grant 02/13/67 Sundberg,
Oscar Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 292 2 486770 WI-DGL-203

Local Description:
SE 1/4 NE 1/4, Sec. 26, T47N, R13W

Right of Way and
Easement Grant 11/21/67 Amsy, Peter
R., et ux. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 291 35 485784 WI-DGL-204

| Document Title | Date | Grantor | Grantee | Records | Book/Vol. | Page | File No. | Reference No. |
|---|----------|--------------------------|---|---------|-----------|------|----------|---------------|
| Inc. | | | | | | | | |
| <u>Legal Description:</u> SW 1/4 NW 1/4, Sec. 25, T47N, R13W | | | | | | | | |
| Right of Way and Easement Grant | 10/12/67 | Hagen, Leonard | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 290 | 348 | 485136 | WI-DGL-205 |
| <u>Legal Description:</u> NW 1/4 SW 1/4, Sec. 25, T47N, R13W | | | | | | | | |
| Right of Way and Easement Grant | 10/30/67 | Stavnes, Mike, et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 290 | 479 | 485396 | WI-DGL-206 |
| <u>Legal Description:</u> SW 1/4 SW 1/4, Sec. 25, T47N, R13W | | | | | | | | |
| Right of Way and Easement Grant | 12/16/68 | Wiebe, Marie C. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 295 | 233 | 491307 | WI-DGL-207-A |
| <u>Legal Description:</u> SE 1/4 SW, Sec. 25, T47N, R13W | | | | | | | | |

| Document Title | Date | Grantor | Grantee | Records | Book/Vol. | Page | File No. | Reference No. |
|---|----------|------------------------------|---|---------|-----------|------|----------|---------------|
| Right of Way and Easement Grant | 12/16/68 | Stavnes, Edwin O., et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 295 | 231 | 491306 | WI-DGL-207-B |
| <u>Legal Description:</u> SE 1/4 SW 1/4, Sec. 25, T47N, R13W | | | | | | | | |
| Right of Way and Easement Grant | 12/18/68 | Stavnes, Alve P., et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 295 | 229 | 491305 | WI-DGL-207-C |
| <u>Legal Description:</u> SE 1/4 SW 1/4, Sec. 25, T47N, R13W | | | | | | | | |
| Right of Way and Easement Grant | 12/16/68 | Johnson, Sigrid E. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 295 | 227 | 491304 | WI-DGL-207-D |
| <u>Legal Description:</u> SE 1/4 SW 1/4, Sec. 25, T47N, R13W | | | | | | | | |
| Right of Way and Easement Grant | 12/23/68 | Boelter, Margaret L. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 295 | 225 | 491303 | WI-DGL-207-E |

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Legal Description:
SE 1/4 SW 1/4, Sec. 25, T47N, R13W

Right of Way and
Easement Grant 10/30/67 Stavnes,
Bertha Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 290 481 485397 WI-DGL-207-Y

Legal Description:
SE 1/4 SW 1/4, Sec. 25, T47N, R13W

Right of Way and
Easement Grant 11/04/67 Pearson, Louis
V., et al. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 292 241 487174 WI-DGL-208

Legal Description:
E 1/2 NW 1/4, Sec. 36, T47N, R13W

Right of Way and
Easement Grant 02/05/68 Wiechert,
Frank J. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 291 620 486716 WI-DGL-209

Legal Description:
NE 1/4 SW 1/4, Sec. 26, T47N, R13W

| Document Title | Date | Grantor | Grantee | Records | Book/Vol. | Page | File No. | Reference No. |
|---|----------|------------------------------|---|---------|-----------|------|----------|---------------|
| Right of Way and Easement Grant | 04/14/69 | Harstad, Oscar G., et al. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 296 | 131 | 492466 | WI-DGL-215 |
| Legal Description: SW 1/4 NE 1/4, Sec. 18, T46N, R12W | | | | | | | | |
| Right of Way and Easement Grant | 10/25/67 | Harstad, Oscar G., et al. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 290 | 465 | 485361 | WI-DGL-216 |
| Legal Description: SW 1/4 NW 1/4 and SE 1/4 NW 1/4, Sec. 18, T46N, R12W | | | | | | | | |
| Right of Way and Easement Grant | 11/17/67 | Rampier, Anton, et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 290 | 630 | 485671 | WI-DGL-217 |
| Legal Description: SE 1/4 NE 1/4 and NE 1/4 SE 1/4, Sec. 19, T46N, R12W | | | | | | | | |
| Right of Way and Easement Grant | 10/13/67 | Pollock, Frank A., et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 290 | 350 | 485137 | WI-DGL-218 |

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Legal Description:
NW 1/4 SW 1/4, Sec. 20, T46N, R12W

Right of Way and
Easement Grant 10/13/67 Pollock, et ux.
Lakehead Pipe Line Company, Inc. Deeds Vol. 290 352 485138 WI-DGL-219

Legal Description:
SW 1/4 SW 1/4 except parcel described in 147 Deeds, 103 Deeds, Sec. 20, T46N, R12W

Right of Way and
Easement Grant 11/24/67 Gander, Alton E., et ux.
Lakehead Pipe Line Company, Inc. Deeds Vol. 291 174 485907 WI-DGL-220

Legal Description:
SW 1/4 NE 1/4, Sec. 22, T45N, R12W

Right of Way and
Easement Grant 10/19/67 Kinnear, John E., et ux.
Lakehead Pipe Line Company, Inc. Deeds Vol. 290 421 485285 WI-DGL-221

Legal Description:
NW 1/4 NE 1/4, Sec. 22, T45N, R12W

| Document Title | Date | Grantor | Grantee | Records | Book/Vol. | Page | File No. | Reference No. |
|--|----------|-----------------------------------|---|---------|-----------|------|----------|---------------|
| Right of Way and Easement Grant | 02/05/68 | Burns, Nancy K. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 291 | 616 | 486714 | WI-DGL-222 |
| <u>Legal Description:</u> N 1/2 SE 1/4, Sec. 22, T45N, R12W | | | | | | | | |
| Right of Way and Easement Grant | 10/21/67 | Ferguson, Robert B., et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 290 | 423 | 485286 | WI-DGL-223 |
| <u>Legal Description:</u> NE 1/4, Sec. 27, T45N, R12W | | | | | | | | |
| Right of Way and Easement Grant | 11/17/67 | Savels, Otto, et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 290 | 636 | 485674 | WI-DGL-224 |
| <u>Legal Description:</u> West 20 acres of the NE 1/4 SE 1/4, Sec. 27, T45N, R12W | | | | | | | | |
| Right of Way and Easement Grant | 11/17/67 | Role, Oliver N., et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 290 | 638 | 485675 | WI-DGL-225 |

)

)

)

| Document Title | Date | Grantor | Grantee | Records | Book/Vol. | Page | File No. | Reference No. |
|----------------|------|---------|---------|---------|-----------|------|----------|---------------|
|----------------|------|---------|---------|---------|-----------|------|----------|---------------|

Legal Description:
SE 1/4 SE 1/4, Sec. 27, T45N, R12W, except the North 200 feet of the South 400 feet of the East 200 feet.

| | | | | | | | | |
|---------------------------------|----------|------------------------|----------------------------------|-------|----------|-----|--------|------------|
| Right of Way and Easement Grant | 11/22/67 | Role, Alton L., et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 291 | 176 | 485908 | WI-DGL-226 |
|---------------------------------|----------|------------------------|----------------------------------|-------|----------|-----|--------|------------|

Legal Description:
The North 200 feet of the South 400 feet of the East 200 feet of the SE 1/4 SE 1/4, Sec. 27, T45N, R12W

| | | | | | | | | |
|---------------------------------|----------|-----------------------------|---------------------|-------|----------|-----|--------|------------|
| Right of Way and Easement Grant | 12/27/67 | Mosinee Paper Mills Company | Bechtel Corporation | Deeds | Vol. 291 | 344 | 486288 | WI-DGL-227 |
| Assignment | 03/27/68 | | | Deeds | Vol. 292 | 326 | 487255 | |

Legal Description:
The Southwest Quarter (SW 1/4) of the Southwest Quarter (SW 1/4), Section 26, Township 45 North, Range 12 West;

The East half (E 1/2) of the Northeast Quarter (NE 1/4) of the Northwest Quarter (NW 1/4) Section 2, Township 44 North, Range 12 West;

The Southwest Quarter (SW 1/4) of the Northeast Quarter (NE 1/4), Section 24, Township 44 North, Range 12 West;

The Northwest Quarter (NW 1/4) of the Southeast Quarter (SE 1/4) of Section 6, Township 43 North, Range 11 West, subject to easements and public highway, and right-of-way of Minneapolis, St. Paul and Saulte Saint Marie Railway and excepting any part of said forty (40) which lies North of County Trunk Highway G;

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Part of the Southeast Quarter (SE 1/4) of the Northeast Quarter (NE 1/4) lying east of the right-of-way of Wisconsin Central Railway Company, in Section 7, Township 43 North, Range 11 West;

The North half (N 1/2) of the Northwest Quarter (NW 1/4), Section 17, Township 43 North, Range 11 West, Except Railroad right-of-way;

The Southeast Quarter (SE 1/4) of the Southeast Quarter (SE 1/4), Section 17, Township 43, North, Range 11 West;

The Southeast Quarter (SE 1/4) of the Southwest Quarter (SW 1/4), Section 21, Township 43 North, Range 11 West, all lying in Douglas County, Wisconsin;

The Northwest Quarter (NW 1/4) of the Northeast Quarter (NE 1/4), Section 2, Township 44 North, Range 12 West.

Right of Way and 11/27/67 Lucas, Armand Lakehead Deeds Vol. 291 178 485909 WI-DGL-228
Easement Grant D., et ux. Pipe Line Company, Inc.

Legal Description:
NW 1/4 NW 1/4, except the North 660 feet of the East 660 feet of Sec. 35, T45N, R12W. SW 1/4 NW 1/4, Sec. 35, T45N, R12W

Right of Way and 11/22/67 Wester, Lakehead Deeds Vol. 291 37 485785 WI-DGL-229
Easement Grant Phillip E., et Pipe Line Company, Inc.
ux.

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Legal Description:
The North 660 feet of the East 660 feet of the NW 1/4 NW 1/4, Sec. 35, T45N, R12W

Right of Way and
Easement Grant 10/21/67 Shaw, Charles
L., et ux. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 290 425 485287 WI-DGL-230

Legal Description:
NE 1/4 NW 1/4, Sec. 35, T45N, R12W

Right of Way and
Easement Grant 11/13/67 Ryden, Knute
G., et ux. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 290 593 485594 WI-DGL-231

Legal Description:
SE 1/4 NW 1/4, Sec. 35, T45N, R12W

Right of Way and
Easement Grant 11/09/67 Hockett,
William Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 291 24 485757 WI-DGL-232

Legal Description:
SW 1/4, Sec. 35, T45N, R12W

| Document Title | Date | Grantor | Grantee | Records | Book/Vol. | Page | File No. | Reference No. |
|---|----------|------------------------------------|---|---------|-----------|------|----------|---------------|
| Right of Way and Easement Grant | 10/19/67 | Reidtko, Clifford R., et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 290 | 427 | 485288 | WI-DGL-233 |
| <u>Legal Description:</u> SW 1/4 SE 1/4, Sec. 35, T45N, R12W | | | | | | | | |
| Right of Way and Easement Grant | 12/05/67 | Hill, Harold James, et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 291 | 225 | 486056 | WI-DGL-234 |
| <u>Legal Description:</u> SW 1/4 NE 1/4, Sec. 2, T44N, R12W | | | | | | | | |
| Right of Way and Easement Grant | 11/04/67 | Battling, Michael T., et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 290 | 538 | 485492 | WI-DGL-235 |
| <u>Legal Description:</u> NW 1/4 SE 1/4, Sec. 2, T44N, R12W | | | | | | | | |
| Right of Way and Easement Grant | 01/20/68 | Ballard, Harlow S. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 291 | 542 | 486574 | WI-DGL-236-A |

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Legal Description:
NE 1/4 NE 1/4, Sec. 11, T44N, R12W

Deed No. 74650 04/11/68 Chicago, Saint Paul, Minneapolis, and Omaha Railway Company Lakehead Pipe Line Company, Inc. Deeds Vol. 292 612 487966 WI-DGL-236-B

Legal Description:
NE 1/4 NE 1/4, Sec. 11, T44N, R12W

Right of Way and Easement Grant 10/16/67 MacLellan, Murdoch, et ux. Lakehead Pipe Line Company, Inc. Deeds Vol. 290 429 485289 WI-DGL-237

Legal Description:
NW 1/4 NW 1/4 and SW 1/4 NW 1/4 (except the part in Book 268 of Deeds, p. 237) all in Sec. 12, T44N, R12W

Right of Way and Easement Grant 01/22/68 Hanson, Arnold A., et ux. Lakehead Pipe Line Company, Inc. Deeds Vol. 291 487 486491 WI-DGL-238

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Legal Description:
W 1/2 SW 1/4, Sec. 12, T44N, R12W

| | | | | | | | | |
|------------------------------------|----------|-----------------------------|---|-------|----------|-----|--------|------------|
| Right of Way and Easement Grant | 10/14/67 | Drevland, Harold, et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 290 | 356 | 485140 | WI-DGL-239 |
| Amendment | 11/05/68 | | | Deeds | Vol. 294 | 547 | 490671 | |

Legal Description:
The Northeast quarter (NE 1/4) (Except 148 Deeds, S21) of Section 24, Township
44 North, Range 12 West;
East half (E 1/2) of the East half (E 1/2) of the Northwest quarter (NW 1/4),
Section 24, Township 44 North, Range 12 West;
The Northwest quarter (NW 1/4) of the Northeast quarter (NE 1/4) of Section
25, Township 44 North, Range 12 West.

| | | | | | | | | |
|------------------------------------|----------|--------------------|---|-------|----------|----|--------|--------------|
| Right of Way and Easement Grant | 11/20/67 | Nelson, A. Mels | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 291 | 39 | 485786 | WI-DGL-240-A |
|------------------------------------|----------|--------------------|---|-------|----------|----|--------|--------------|

Legal Description:
NW 1/4 NW 1/4 (except 263 of Deeds, 306) Sec. 31, T44N, R11W.

| | | | | | | | | |
|------------------------------------|----------|--------------------|-----------------------|-------|----------|----|--------|--------------|
| Right of Way and Easement Grant | 11/20/67 | Nelson, A. Mels | Lakehead Pipe Line | Deeds | Vol. 291 | 45 | 485799 | WI-DGL-240-B |
|------------------------------------|----------|--------------------|-----------------------|-------|----------|----|--------|--------------|

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

LEGAL DESCRIPTION:
NW 1/4 NW 1/4 (except 263 of Deeds, 306) Sec. 31, T44N, R11W.

Company,
Inc.

Right of Way and
Easement Grant 11/11/67 Lynch, John
R., et ux. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 291 47 485800 WI-DGL-241

LEGAL DESCRIPTION:
SW 1/4 NW 1/4 lying west of the St. Croix River in Sec. 31, T44N, R11W

Right of Way and
Easement Grant 11/29/67 Ryden, Roland
K., et ux. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 291 618 486715 WI-DGL-243

LEGAL DESCRIPTION:
NE 1/4 SW 1/4, Sec. 31, T44N, R11W

Right of Way and
Easement Grant 05/18/68 Oswald, Stella
M. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 293 63 488160 WI-DGL-244

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Legal Description:
The North 520 feet of the SE 1/4 SW 1/4, Sec. 31, T44N, R11W

Right of Way and
Easement Grant 11/25/67 Town of Gordon Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 291 180 485910 WI-DGL-245

Legal Description:
NW 1/4 SE 1/4, and SW 1/4 SE 1/4, Sec. 31, T44N, R11W

Deed of Easement
or Right of Way 11/14/68 Sloan,
Virginia G. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 295 169 491208 WI-DGL-246-A

Legal Description:
Northeast Quarter (NE 1/4) (except parts sold to Dahlberg Power and Light
Company) in Section Six (6), Township Forty-Three (43), Range Eleven (11),
West.

Deed of Easement
or Right of Way 11/12/68 Friberg,
Edythe Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 295 170 491209 WI-DGL-246-B

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Legal Description:
Northeast Quarter (NE 1/4) (except parts sold to Dahlberg Power and Light Company) in Section Six (6), Township Forty-Three (43), Range Eleven (11), West.

Deed of Easement or Right of Way 11/12/68 Rosin, Clifton M. Jr., et ux. Lakehead Pipe Line Company, Inc. Deeds Vol. 295 171 491210 WI-DGL-246-C

Legal Description:
Northeast Quarter (NE 1/4) (except parts sold to Dahlberg Power and Light Company) in Section Six (6), Township Forty-Three (43), Range Eleven (11), West.

Deed of Easement or Right of Way 11/14/68 Sloan, Virginia A., Guardian for Gladys R. Rosin Moore Lakehead Pipe Line Company, Inc. Deeds Vol. 295 172 491211 WI-DGL-246-D

Legal Description:
Northeast Quarter (NE 1/4) (except parts sold to Dahlberg Power and Light Company) in Section Six (6), Township Forty-Three (43), Range Eleven (11), West.

Right of Way and Easement Grant 11/21/67 Dahlberg Light and Power Company Lakehead Pipe Line Company Deeds Vol. 291 182 485911 WI-DGL-248

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Inc.

Legal Description:

Commencing at the Northeast corner of the Northwest quarter (NW 1/4) of the Southeast quarter (SE 1/4) of Section 6, Township 43 North, Range 11 West, for a place of beginning; thence running South on the 1/8 line 515 feet to present Highway "G", thence Northwesterly in a straight line following said highway to a point 1,120 feet on a quarter line West of said Northeast corner of the Northwest quarter (NW 1/4) of the Southeast Quarter (SE 1/4), thence East on said quarter line to the point of beginning, and all of which land lies North of said Highway "G".

Right of Way and
Easement Grant

10/31/67 Richardson,
Phyllis M.

Lakehead
Pipe Line
Company,
Inc.

Deeds

Vol. 290 483

485398

WI-DGL-249

Legal Description:

SW 1/4 NE 1/4, Sec. 17, T43N, R11W

Right of Way and
Easement Grant

10/31/67 Newsome, W.
W., et ux.

Lakehead
Pipe Line
Company,
Inc.

Deeds

Vol. 290 485

485399

WI-DGL-250

Legal Description:

The Southeast quarter (SE 1/4) of the Northwest quarter (NW 1/4) and the Northeast quarter (NE 1/4) of the Southwest quarter (SW 1/4) and the Southeast quarter (SE 1/4) of Section 17, Township 43 North, Range 11 West,

ALSO, the Southeast quarter (SE 1/4) of the Southwest quarter (SW 1/4), EXCEPTING Railroad right of way, in Section 28, Township 43 North, Range 11 West.

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

ALSO, the Northeast quarter (NE 1/4) of the Southeast quarter (SE 1/4),
EXCEPTING Railroad right of way, in Section 33, Township 43 North, Range 11
West.

Right of Way and 12/28/67 Downes, George Lakehead Deeds Vol. 291 539 486573 WI-DGL-251
Easement Grant W., et al. Pipe Line Company,
Inc.

Legal Description:
NE 1/4 NE 1/4 and E 1/2 SE 1/4 NE 1/4, Sec. 20, T43N, R11W

Right of Way and 03/06/68 Hovenstine, Lakehead Deeds Vol. 292 181 487074 WI-DGL-252
Easement Grant Bert F., et Pipe Line Company,
ux. Inc.

Legal Description:
The East half (E 1/2) of the Southeast quarter (SE 1/4), EXCEPT a parcel of
land in the Southeast (SE) corner of the Southeast quarter (SE 1/4), being
fifty-two (52) rods North and South by sixty-two (62) rods East and West,
Section 20, Township 43 North, Range 11 West.

Right of Way and 10/31/67 Demuth, John Lakehead Deeds Vol. 290 487 485400 WI-DGL-253
Easement Grant W., et ux. Pipe Line Company,
Inc.

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Legal Description:
SW 1/4 SW 1/4 (except 211 Deeds, page 227) Sec. 21, T43N, R11W

Right of Way and
Easement Grant 11/01/67 Bailey, James
M., et ux. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 290 489 485401 WI-DGL-254

Legal Description:
NE 1/4 NW 1/4, Sec. 28, T43N, R11W; NW 1/4 NW 1/4, (Govt. Lot 1) Sec. 28,
T43N, R11W

Right of Way and
Easement Grant 10/25/67 Larson, Erik
A. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 290 455 485356 WI-DGL-255-A

Legal Description:
S 1/2 N 1/2 SE 1/4 NW 1/4, Sec. 33, T48N, R13W

Right of Way and
Easement Grant 10/11/67 Eastern,
Francis R., et
ux. Lakehead
Pipe Line
Company,
Inc. Deeds Vol. 290 326 485100 WI-DGL-255-B

Legal Description:
Northeast quarter (NE 1/4) of the Northwest quarter (NW 1/4), except a
rectangular tract of about two acres in the Southeast corner, described as
follows: Commencing in the Southeast corner of said described forty acre

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

tract, thence West along the South line of said described 40 acre tract, a distance of 208 feet, thence North parallel with the East line of said forty acre tract, a distance of 416 feet, thence East parallel with the South line of said forty acre tract, thence South along the East line of said forty acre tract a distance of 416 feet, to the point of commencement; all in Section 10, Township 47 North, Range 13 West.

Right of Way and 10/13/67 Manor, Wilma Lakehead Deeds Vol. 290 354 485139 WI-DGL-256
Easement Grant C.

Legal Description:
SW 1/4 SE 1/4, Sec. 29, T46N, R12W

Right of Way and 02/05/68 Grinyer, Lakehead Deeds Vol. 295 91 491096 WI-DGL-257
Easement Grant Allen, et ux.

Legal Description:
Northwest quarter (NW 1/4) of the Northeast quarter (NE 1/4), Section 32, Township 46 North, Range 12 West;
ALSO the Northeast quarter (NE 1/4) of the Northwest quarter (NW 1/4), Sec. 32, Township 46 North, Range 12 West, Douglas County, Wisconsin

Right of Way and 11/16/67 Huray, Helen Lakehead Deeds Vol. 290 632 485672 WI-DGL-258
Easement Grant Jane, et vir

| Document Title | Date | Grantor | Grantee | Records | Book/Vol. | Page | File No. | Reference No. |
|---|----------|-------------------------------------|---|---------|-----------|------|----------|---------------|
| Right of Way and Easement Grant | 01/30/68 | Carlson, Gerald Harry, et al. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 292 | 556 | 487846 | WI-DGL-262 |
| <u>Legal Description:</u> E 1/2 NE 1/4, Sec. 9, T45N, R12W | | | | | | | | |
| Right of Way and Easement Grant | 10/17/67 | Swanson, Raymond S., et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 290 | 409 | 485271 | WI-DGL-263 |
| <u>Legal Description:</u> SW 1/4 SW 1/4, Sec. 10, T45N, R12W | | | | | | | | |
| Right of Way and Easement Grant | 06/28/68 | Kelleher, Helen | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 293 | 361 | 488788 | WI-DGL-264 |
| <u>Legal Description:</u> W 1/2 NW 1/4, Sec. 15, T45N, R12W | | | | | | | | |
| | 12/18/67 | Gander, Alton E., et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 291 | 342 | 486287 | WI-DGL-265 |

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Legal Description:
NE 1/4 NW 1/4, Sec. 22, T45N, R12W

Right of Way Grant 05/08/50 Douglas County Lakehead Pipe Line Company, Inc. Deeds Book 220 131 401319 WI-DGL-266-A

Legal Description:
Lots 32, 33 & 34, Block No. 12 in the City of Superior. Fr. Lots. 24, 25, 26, 27, & 28, Block No. 8. Lots 9, 10, 11, 12, 13 & 14, Block No. 5. Lots 21, 22 & 23, Block No. 3. Lots 22, 23, 24 & 25, Block No. 6 in the City of Superior. Lots 25 & 26, Block No. 44 in the City of Superior. Lots 21, 22, 23 & 24, Block No. 38. Lots 13, 14 & 15, Block No. 45. Fr. Lots 21, 22, 23, 24, 25 & 26, Block No. 24. Lots 6, 7 & 8, Block No. 23. Lots 23 & 24, Block No. 9. Lots 5, 6, 7, 14, 15, 16 & 17, Lot No. 7. Lots 1 & 2, Block No. 4. Lots 11 & 12, Block No. 8, Village of Superior. Lots 1, 2, 3, 5 & 6, Block No. 44, Village of Superior. Lots 4, 5, 6, 7, 8, 9, 10 & 11, Block No. 1, Village of Superior. NE 1/4 of NE 1/4 of Sec. 26, Tp. 48N, R15W. SE 1/4 of SW 1/4 of Sec. 24, Tp. 48N, R15W. SW 1/4 of NW 1/4, ex. W. 5 acres, Sec. 19, Tp. 48N, R14W, Township of Superior.

Right of Way Grant 12/05/49 Douglas County Lakehead Pipe Line Company, Inc. Deeds Book 220 38 399597 WI-DGL-266-B

Legal Description:
Southwest Quarter (SW1/4) of the Northeast Quarter (NE1/4) of Section Two (2) Township Forty-eight (48) North Range Fourteen (14) West, Township of Superior. Lots 1, 2, 3, 4, 5, Block No. 13, and Lots 16, 17, 18, 19, 20, 24, 25, 26, 27, 28, 29, 30 & 31, Block No. 12, and Lots 1, 2, 3, 4, 5 & 6, Block No. 11, and Fr. Lots 1, 2, 3, 4, 5, 6 & 7 (except Railroad Right of Way in Lot

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

7), Block No. 2, and Fr. Lots 11 & 12 (except Railroad Right of Way), Block No. 2, ALL in Syndicate Addition Number 2 to South Superior, City of Superior, according to the recorded plat. Lots 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23 & 24, Block No. 44, and Lots 1, 2, 3, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29 & 30, Block No. 43, and Lots 1, 2, 3, 4, 5, 6, 7, 15, 16, 17, 18, 19 & 20, Block No. 38, and Lots 1, 20, 21, 22, 23, 27 & 28, Block No. 39, and Lots 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 26, 27 & 28, Block No. 26, and Lots No. 1, 2, 3, 4, 5 & 6, Block No. 25, ALL in Webster Division to South Superior, City of Superior, according to the recorded plat. Lots 1, 2, 3, 4, 5 & 6, Block No. 8, and Fr. Lot 1, Block No. 1, ALL in Riverside Addition to South Superior, City of Superior, according to the recorded plat. Lots 5, 6, 7, 8, 9, 10 & 11, Block No. 1, ALL in World's Fair Division to South Superior, Village of Superior, according to the recorded plat. Lots 1, 2, 3, 4, 5, 6, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25 & 26, Block No. 6, and Lots 16, 17, 18, 19, 20, 21 & 22, Block No. 3, ALL in Chaltenham Addition to South Superior, Village of Superior, according to the recorded plat. Lots 1, 2, 3, 4, 5 & 6, Block No. 43, and Lots 10, 11, 12 & 13, Block No. 38, and Lots 1, 2, 3, 4, 5, 15, 16, 17, 18, 19, 20, 21, 22, 23 & 24, Block No. 39, and Lots 10, 11, 12, 13, 14, 15 & 16, Block No. 26, and Fr. Lots 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 & 15, Block No. 25, ALL in Central Division to South Superior, Village of Superior, according to the recorded plat. Lots 1, 2, 3, 4, 5 & 6, Block No. 1, and Lots 1, 2, 3, 4, 5, 6, 7 (except Railroad Right of Way in Lots 1 through 7), 8, 9, 10, 11 & 12, Block No. 2, and Lots 1, 2 & 3, Block No. 3, ALL in Ironwood Division to South Superior, Village of Superior, according to the recorded plat. Lots 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 13, 14, 15, 16, 17, 18, 19, 20, 21 & 22, Block No. 9, and Lots 1, 2, 3, 4 (except Railroad Right of Way in Lots 1 through 4), 18, 19, 20, 21, 22, 23 & 24, Block No. 10, and Undivided One-Half of Lots 3, 4, 5 & 6, Block No. 4, ALL in Magoffin's Addition to South Superior, Village of Superior, according to the recorded plat. Lots 12, 15, 16, 17, 18, 19, 20, 21, 22, 23 & 24, Block No. 1, and Lots 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 18, 19 & 20, Block No. 2, and Lots 1, 2, 3 & 4, Block No. 4, ALL in Pokegama Park Addition to South Superior, Village of Superior, according to the recorded plat. N 1/2 of the SW 1/4 of the SW 1/4 and the SE 1/4 of the SW 1/4 of the SW 1/4 of Section 10, T48N, R14W, Township of Superior. S 1/2 of the SE 1/4 of the SE 1/4 and the NW 1/4 of the SE 1/4 of the SE 1/4 of Sec. 9, T48N, R14W, Township of Superior. N 1/2 of the NE 1/4 and the SW 1/4 of the NE 1/4 and the E 1/2 of the NW 1/4 less the Interstate Transfer Railroad Right of Way and the N 1/2 of the NW 1/4 of the SW 1/4 of Section 16, T48N, R14W, Township of Superior. N 1/2 of the SE 1/4 and the SW 1/4 of the SE 1/4 and the S 1/2 of the SW 1/4 of Section 17, T48N, R14W, Township of Superior. N

519 434

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Legal Description:
Lots 178, 180 & 182 on West 1st Street in the City of Superior, Wisconsin

Right of Way Grant 11/08/49 Larson, Thomas Lakehead Pipe Line Company, Inc. Deeds Book 220 30 399273 WI-DGL-268

Legal Description:
N-19.96 Acres of Lot Three (3), Section 31, Township 48-N, Range 15-W, Unnamed.

Right of Way Grant 04/21/50 Nelson, Bertha M., et vir Lakehead Pipe Line Company, Inc. Deeds Book 220 104 401053 WI-DGL-269

Legal Description:
SE 1/4 SW 1/4 NE 1/4, Section 32, Township 48N, Range 15W.

Right of Way Grant 11/09/49 Killeen, Thomas Lakehead Pipe Line Company, Inc. Deeds Book 220 25 399268 WI-DGL-270

Legal Description:
NE 1/4 NW 1/4 & S 1/2 NW 1/4, Section 33, Township 48N, Range 15W.

| Document Title | Date | Grantor | Grantee | Records | Book/Vol. | Page | File No. | Reference No. |
|--|----------|---|---|---------|-----------|------|----------|---------------|
| Right of Way Grant | 11/07/49 | Smailanich, Mike, et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Book 220 | 33 | 399276 | WI-DGL-271 |
| LEGAL DESCRIPTION: E 1/2 of S 1/2 of NW 1/4 of NE 1/4, Section 33, Township 48N, Range 15W. | | | | | | | | |
| Right of Way Grant | 11/14/49 | Benedictine Sisters Benevolent Society | Lakehead Pipe Line Company, Inc. | Deeds | Book 220 | 26 | 399269 | WI-DGL-272 |
| LEGAL DESCRIPTION: W 1/2 W 1/2 NE NE 1/4 & S 1/2 W 1/2 SW NE 1/4, Section 33, Township 48N, Range 15W. | | | | | | | | |
| Right of Way Grant | 12/02/49 | Klancher, Louis, et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Book 220 | 37 | 399596 | WI-DGL-273 |
| LEGAL DESCRIPTION: E 1/2 of the W 1/2 of the NE 1/4 of the NE 1/4, Section 33, T 48N, R 15W. | | | | | | | | |
| Right of Way Grant | 11/07/49 | Berg, Edla | Lakehead Pipe Line Company, | Deeds | Book 220 | 27 | 399270 | WI-DGL-274-A |

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Inc.

Legal Description:
W 1/2 of the E 1/2 of the NE 1/4 of the NE 1/4, Section 33, T 48N, R 15W.

Densitometer
Installation
Receipt 08/17/90 County of
Douglas Lakehead
Pipe Line
Company,
Inc. - - WI-DGL-274-B

Legal Description:
W 1/2 of the E 1/2 of the NE 1/4 of the NE 1/4 of the NE 1/4, Section 33, T
48N, R 15W.

Right of Way Grant 03/13/50 Kirby, Martha
I Lakehead
Pipe Line
Company,
Inc. Deeds Book 220 110 401058 WI-DGL-275

Legal Description:
A strip of land lying northwesterly of the Military Road across the
northwesterly portion of the N 1/2 NW 1/4 Section 34, Township 48N, Range 15W.

Right of Way Grant 05/31/50 Woodward,
Albert L., et
al. Lakehead
Pipe Line
Company,
Inc. Deeds Book 220 179 402218 WI-DGL-276

| Document Title | Date | Grantor | Grantee | Records | Book/Vol. | Page | File No. | Reference No. |
|---|----------|----------------------------------|---|---------|-----------|------|----------|---------------|
| <u>Legal Description:</u> SW 1/4 of the SW 1/4 of Sec. 27, T 48 N, R 15 W. | | | | | | | | |
| Right of Way Grant | 11/12/49 | Bahrman, Blaine E., et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Book 220 | 31 | 399274 | WI-DGL-277-A |
| <u>Legal Description:</u> SW 1/4 of the SE 1/4 of Sec. 27, T 48 N, R 15 W. | | | | | | | | |
| Right of Way Grant | 12/06/51 | Engstrom, Irene | Lakehead Pipe Line Company, Inc. | Deeds | Book 228 | 564 | 408545 | WI-DGL-277-B |
| <u>Legal Description:</u> SW 1/4 of the SE 1/4 of Sec. 27, T 48 N, R 15 W. | | | | | | | | |
| Right of Way Grant | 11/14/49 | Billmier, Arthur G. F. | Lakehead Pipe Line Company, Inc. | Deeds | Book 220 | 32 | 399275 | WI-DGL-278 |
| <u>Legal Description:</u> NE 1/4 of the NW 1/4 of Sec. 25, T 48 N, R 15 W. | | | | | | | | |

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Pipeline Easement 01/29/68 St. Regis Paper Company Lakhead Pipe Line Company, Inc. - - - - WI-DGL-279

Legal Description:
N 1/2 S 1/2 and SE 1/4 NE 1/4, Section 32, E 1/2 E 1/2 NE 1/4 NE 1/4, W 1/2 NW 1/4 NE 1/4, W 1/2 NW 1/4 NE 1/4, W 1/2 NW 1/4 NE 1/4 and W 1/2 NW 1/4 NE 1/4, Section 33. E 1/2 SE 1/4 and SE 1/4 SW 1/4, Section 27. W 1/2 SW 1/4 and NE 1/4 SW 1/4, Section 26. NE 1/4 NE 1/4, Section 26. N 1/2 SE 1/4 and S 1/2 NE 1/4, Section 26. W 1/2 NW 1/4, Section 25. E 1/2 SE 1/4 and SW 1/4 SE 1/4, Section 24, and SE 1/4 SW 1/4, Section 24. Township Forty-eight North (48 N) of Range Fifteen West (15 W).

Right of Way Grant 04/03/50 Seidel, Christian Lakhead Pipe Line Company, Inc. Deeds Book 220 107 401055 WI-DGL-280

Legal Description:
SW 1/4 NE 1/4 Section 19, Township 46N, Range 14W.

Right of Way Grant 04/17/50 Duluth, Missabe and Iron Range Railway Co. Lakhead Pipe Line Company, Inc. Deeds Book 220 105 401054 WI-DGL-281

Legal Description:
A fifty (50) foot strip of land across the SW 1/4 of the NW 1/4 of Section 16, Township 48, North, Range 14, West, excepting the right-of-way of the Grantor therefrom, and as indicated in red on Grantor's Map V-5-1, marked Exhibit "A",

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

attached hereto and made a part hereof, and across Sylvan Grove Addition in the SE 1/4 of SE 1/4 of NE 1/4 of Section 17, Township 48, North, Range 14, West.

Right of Way Grant 03/29/50 Sharf, Rose Lakehead Pipe Line Company, Inc. Deeds Book 220 108 401056 WI-DGL-282

Legal Description:
Lots 13 and 14 in Block 1, Pokegama Park Addition SW 1/4 SW 1/4 SW 1/4 Section 10, Township 48N, Range 14W.

Right of Way Grant 11/07/49 Podgorak, Thomas P., et ux. Lakehead Pipe Line Company, Inc. Deeds Book 220 29 399272 WI-DGL-283

Legal Description:
E 1/2 NE 1/4 SW 1/4 and SW 1/4 NE 1/4 SW 1/4 and SE 1/4 SW 1/4 Section 10, Township 48-N, Range 14-N.

Right of Way Grant 02/14/50 Coe, R. S., et ux. Lakehead Pipe Line Company, Inc. Deeds Book 220 55 400306 WI-DGL-284

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Legal Description:
Lots 5 & 6 in Block 3 of Magoffin's Addition, Village of Superior, NW 1/4 SE 1/4 Section 10, Township 48N, Range 14W.

Right of Way Grant 01/21/50 Brown, Stanley, J., et ux. Lakehead Pipe Line Company, Inc. Deeds Book 220 71 400321 WI-DGL-286

Legal Description:
Lots 7, 8, 9, 10, 11 & 12 in Block 4 & Lot 24 in Block 5 of Magoffin's Addition, Village of Superior NW 1/4 SE 1/4 Section 10, Township 48N, Range 14W.

Right of Way Grant 04/21/50 Wilcox, Sarah, et vir Lakehead Pipe Line Company, Inc. Deeds Book 220 103 401052 WI-DGL-287-A

Legal Description:
Lots 1, 2, 3 & 4 of Block 4, Magoffin's Addition, in NW 1/4 SE 1/4 Section 10, Township 48N, Range 14W.

Right of Way Grant 03/06/50 Bemrick, Esther H., et al. Lakehead Pipe Line Company, Inc. Deeds Book 220 67 400317 WI-DGL-287-B

)

)

)

State of Wisconsin
County of Douglas

| Document Title | Date | Grantor | Grantee | Records | Book/Vol. | Page | File No. | Reference No. |
|----------------|------|---------|---------|---------|-----------|------|----------|---------------|
|----------------|------|---------|---------|---------|-----------|------|----------|---------------|

Legal Description:
 Lots 1, 2, 3, 4, 5 & 6, Block 4, Magoffin's Addition, NW 1/4 SE 1/4 Section 10, Township 48-N, Range 14-W.

| | | | | | | | | |
|--------------------|----------|--------------------------|----------------------------------|-------|----------|----|--------|------------|
| Right of Way Grant | 01/23/50 | Podgorak, Thomas, et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Book 220 | 72 | 400322 | WI-DGL-288 |
|--------------------|----------|--------------------------|----------------------------------|-------|----------|----|--------|------------|

Legal Description:
 Lot 6 in Block 45 of Central Division, Village of Superior, SE 1/4 NE 1/4 Section 10, Township 48N, Range 14W.

| | | | | | | | | |
|--------------------|----------|----------------|----------------------------------|-------|----------|----|--------|------------|
| Right of Way Grant | 01/21/50 | Onnestad, John | Lakehead Pipe Line Company, Inc. | Deeds | Book 220 | 73 | 400323 | WI-DGL-289 |
|--------------------|----------|----------------|----------------------------------|-------|----------|----|--------|------------|

Legal Description:
 Lots 1, 2, 3 & 4 in Block 1 & Lots 1, 2, 3, 26, 27, 28, 29, 30, 31 & 32 in Block 8, Pittston Division, Town of Superior, SW 1/4 NW 1/4 Section 11, Township 48N, Range 14W.

| | | | | | | | | |
|--------------------|----------|---------------------|----------------------------------|-------|----------|-----|--------|------------|
| Right of Way Grant | 03/13/50 | Mesbitt, William H. | Lakehead Pipe Line Company, Inc. | Deeds | Book 220 | 112 | 401060 | WI-DGL-290 |
|--------------------|----------|---------------------|----------------------------------|-------|----------|-----|--------|------------|

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Legal Description:
Lots 11, 12 & 13 in Block 5, Cheltenham Addition, Village of Superior, W 1/2 NW 1/4 NW 1/4 Section 11, Township 48N, Range 14W, Township of Superior.

Right of Way Grant 11/07/49 Onnestad, John Lakehead Pipe Line Company, Inc. Deeds Book 220 28 399271 WI-DGL-291

Legal Description:
E 1/2 of the NW 1/4 of the NW 1/4 of Sec. 11, T 48N, R 14W.

Right of Way Grant 01/24/50 Saunders, Robert L., et ux. Lakehead Pipe Line Company, Inc. Deeds Book 220 74 400324 WI-DGL-292-A

Legal Description:
Lots 1, 2, 3 & 4 in Block 1, World's Fair Division, Town of Superior NE 1/4 NW 1/4 Section 11, Township 48N, Range 14W

Right of Way Grant 12/06/51 Engstrom, Irene Lakehead Pipe Line Company, Inc. Deeds Book 228 563 408544 WI-DGL-292-B

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Legal Description:
Lots One (1), Two (2), Three (3) and Four (4), in Block One (1), World's Fair Division of South Superior, Village of Superior, according to the plat or plats thereof on file and of record in the office of the Register of Deeds for Douglas County, Wisconsin.

Right of Way Grant 02/23/50 Alm, C.V., et ux. Lakehead Pipe Line Company, Inc. Deeds Book 220 68 400318 WI-DGL-295

Legal Description:
Lots 23, 24 & 25 in Block 26 of Webster Division SW 1/4 Section 2, City of Superior, Township 48N, Range 14W

Right of Way Grant 02/24/50 Wilson, Lowell, et ux. Lakehead Pipe Line Company, Inc. Deeds Book 220 65 400316 WI-DGL-296-A

Legal Description:
Lot six (6) Block twenty six (26) Webster Division, City of Superior Wisconsin in the S 1/2 SW 1/4 Section 2, Township 48-N, Range 14-W

Right of Way Grant 05/03/50 Wilson, Lowell, et ux. Lakehead Pipe Line Company, Inc. Deeds Book 220 148 401583 WI-DGL-296-B

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Legal Description:
Lots 4 & 5 of Block 26 of Webster Division of South Superior, City of Superior, Wisconsin S 1/2 SW 1/4 Section 2, Township 48N, Range 14W, City of Superior.

Right of Way Grant 03/01/50 Abbott, Melba M., et vic Lakehead Pipe Line Company, Inc. Deeds Book 220 65 400315 WI-DGL-297

Legal Description:
Lots 7, 8, 9, 10, 11 & 12 in Block 26 of Webster Division SW 1/4 Section 2, Township 48N, Range 14W, City of Superior.

Right of Way Grant 03/07/50 Adkins, Roland W., et ux. Lakehead Pipe Line Company, Inc. Deeds Book 220 109 401057 WI-DGL-298

Legal Description:
Lots 9, 10 & 11 in Block 23, Webster Division, Superior, Wisconsin, Section 2, Township 48N, Range 14W

Right of Way Grant 02/24/50 Wippich, August J., et ux. Lakehead Pipe Line Company, Inc. Deeds Book 220 56 400307 WI-DGL-299

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Legal Description:
Lots Thirteen (13), Fourteen (14) and Fifteen (15) in Block Eight (8),
Syndicate Addition, W 1/2 NW 1/4 SE 1/4, Section 2, Township 48N, Range 14W,
City of Superior.

Right of Way Grant 02/28/50 Dvorak, Louis
J., et ux. Lakehead
Pipe Line
Company,
Inc. Deeds Book 220 64 400314 WI-DGL-300

Legal Description:
Lots 15 & 16 Block six (6) Syndicate Addition City of Superior, Wisconsin in W
1/2 NW 1/4 SE 1/4, Section 2, Township 48N, Range 14W

Right of Way Grant 03/21/50 Lucien, Clara
M., et al. Lakehead
Pipe Line
Company,
Inc. Deeds Book 220 111 401059 WI-DGL-301

Legal Description:
Lots 18, 19 & 20 in Block 6, Syndicate Addition W 1/2 NW 1/4 SE 1/4, Section
2, Township 48N, Range 14W, City of Superior.

Right of Way Grant 02/27/50 Avery,
Clarence A.,
et ux. Lakehead
Pipe Line
Company,
Inc. Deeds Book 220 63 400313 WI-DGL-302

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Legal Description:
Lots 6, 7 & 8 in Block 6, Syndicate Addition W 1/2 NW 1/4 SE 1/4, Section 2,
Township 48N, Range 14W, City of Superior.

Right of Way Grant 02/27/50 Clary, E.H.,
et ux. Lakehead
Pipe Line
Company,
Inc. Deeds Book 220 62 400312 WI-DGL-303

Legal Description:
Lots 13, 14 & 15 in Block 12, Syndicate Addition #2 E 1/2 NW 1/4 SE 1/4,
Section 2, Township 48N, Range 14W, City of Superior.

Right of Way Grant 03/01/50 Lang,
Ferdinand A.,
et ux. Lakehead
Pipe Line
Company,
Inc. Deeds Book 220 61 400311 WI-DGL-304

Legal Description:
Lots 8-9-10-11-6-12 Block twelve (12) Syndicate Addition No. two (2) City of
Superior, Wisconsin in the E 1/2 NW 1/4 SE 1/4 Section 2, Township 48N, Range
14W

Right of Way Grant 08/08/50 City of
Superior Lakehead
Pipe Line
Company,
Inc. Deeds Book 220 206 402527 WI-DGL-306

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Legal Description:
A strip of land 50' wide across the NW corner of the NW 1/4 of the NW 1/4, Sec. 1, T 48 N, R 14 W.

Right of Way Grant 12/13/49 City of Superior Lakehead Pipe Line Company, Inc. Deeds Book 220 36 399595 WI-DGL-307

Legal Description:
E 1/2 of the NE 1/4 of Sec. 2, T 48 N, R 14 W.

Right of Way Grant 02/09/50 Andre, Mary G. Lakehead Pipe Line Company, Inc. Deeds Book 220 70 400320 WI-DGL-309

Legal Description:
E 1/2 E 1/2 NE 1/4 in Block 11 on W. 13th Street, City of Superior, Section 30, Township 49N, Range 13W

Right of Way Grant 01/27/50 Walberg, Fred M., et ux. Lakehead Pipe Line Company, Inc. Deeds Book 220 77 400327 WI-DGL-310

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Legal Description:
Southern Division, City of Superior E 1/4 E 1/2 Block 12.W. 11th St., Section 30, Township 49N, Range 13W

Right of Way Grant 02/07/50 Johnson, Frances L. Lakehead Pipe Line Company, Inc. Deeds Book 220 60 400310 WI-DGL-311

Legal Description:
SE 1/4 of Block 11 on West 11th Street - Section 30, Township T49N, Range 13W

Right of Way Grant 02/15/50 Shaw, Viola E., et vir Lakehead Pipe Line Company, Inc. Deeds Book 220 58 400308 WI-DGL-312

Legal Description:
E 5/8 NB 1/4 of Block 11 on West 11th Street - Section 30, Township 49N, Range 13W

Easement Deed No. 12681 04/13/50 Northwestern Improvement Co. Lakehead Pipe Line Company, Inc. Deeds Book 220 101 401050 WI-DGL-313

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Legal Description:
Lot 161 West 10th Street, Superior, Douglas County, Wisconsin.

Right of Way Grant 01/25/50 Deeds, Lester,
et ux. Lakehead
Pipe Line
Company,
Inc. Deeds Book 220 75 400325 WI-DGL-316

Legal Description:
Western Division, City of Superior Lot 161 on W. 7th St. - Section 30,
Township 49N, Range 13W

Right of Way Grant 01/25/50 Rose,
Elizabeth D.,
et vir Lakehead
Pipe Line
Company,
Inc. Deeds Book 220 76 400326 WI-DGL-317

Legal Description:
Western Division, City of Superior Lot 162 on W. 6th St. - Section 30,
Township 49N, Range 13W

Right of Way Grant 01/28/50 Ruks, Clemence
S., et ux. Lakehead
Pipe Line
Company,
Inc. Deeds Book 220 78 400328 WI-DGL-318

| Document Title | Date | Grantor | Grantee | Records | Book/Vol. | Page | File No. | Reference No. |
|--|----------|-------------------------|---|---------|-----------|------|----------|---------------|
| LEGAL DESCRIPTION: Western Division, City of Superior Lot 161 on W. 4th St. - Section 30, Township 49N, Range 13W | | | | | | | | |
| Right of Way Grant | 02/07/50 | City of Superior | Lakehead Pipe Line Company, Inc. | Deeds | Book 220 | 69 | 400319 | WI-DGL-319 |
| LEGAL DESCRIPTION: Lots 162 & 164 on West 3rd St., Western Division, City of Superior Section 30, Township 49N, Range 13W | | | | | | | | |
| Right of Way Grant | 02/23/50 | Henretty, William J. | Lakehead Pipe Line Company, Inc. | Deeds | Book 220 | 59 | 400309 | WI-DGL-322 |
| LEGAL DESCRIPTION: Lot 163 on West 3rd Street, City of Superior Section 30, Township 49N, Range 13W | | | | | | | | |
| Right of Way Grant | 08/04/50 | Douglas County | Lakehead Pipe Line Company, Inc. | Deeds | Book 220 | 196 | 402436 | WI-DGL-323-A |

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Legal Description:
Lots 165 and 167 on West Third Street, Lots 174, 175, 177 and 179 on West Second Street, Townsite of Superior according to the recorded plat or plats thereof on file and of record in the Office of the Register of Deeds, Townsite of Superior.

Right of Way Grant 04/26/50 Douglas County Lakehead Pipe Line Company, Inc. Deeds Book 220 102 401051 WI-DGL-323-B

Legal Description:
Lots 176, 178, 180, 182, 183, 184, 185 and 187 West Second Street, Lots 169, 171, 173, 175 and 177, West Third Street, Townsite of Superior according to the recorded plat or plats thereof on file and of record in the Office of the Register of Deeds, Townsite of Superior.

Road Crossing Permit (No. 72261) 06/22/50 Northern Pacific Railway Company Lakehead Pipe Line Company, Inc. - - - - WI-DGL-328

Amendment 11/21/61 - - - - - - -

Amendment 08/28/68 - - - - - - -

Legal Description:
A strip of land 15 feet wide on Lots 4, 6, 8 and 10, Ogdensburg Pier in the City of Superior, Wisconsin, according to the recorded plat thereof extending from the northeasterly line of said Lot 10 southwesterly along a center line parallel with and distant 127.5 feet southeasterly, measured at right angles, from the northwesterly line of said lots to a point just northeasterly of the spur track which crosses said Lots 4, 6 and 8; thence curving to the right and extending to a point in the northwesterly line of said Lot 4 distant 17.5 feet southwesterly from the northerly corner of said Lot 4.

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Also the southwesterly 15 feet of the northeasterly 25 feet of Lot 3 and the southwesterly 15 feet of the northeasterly 25 feet of Lot 4, Detroit Pier, in said City, according to the recorded plat thereof.

Right of Way and 12/10/67 Gender, Fidel, Lakehead Deeds Vol. 291 342 486287 WI-DGL-329-A
Easement Grant et ux. Pipe Line Company,
Inc.

Legal Description:
NE/4 of NW/4 of Sec. 22, T45N, R12W.

Right of Way and 11/24/67 Gender, Alton Lakehead Deeds Vol. 292 203 487114 WI-DGL-329-B
Easement Grant E., et al. Pipe Line Company,
Inc.

Legal Description:
NE/4 of NW/4 of Sec. 22, T45N, R12W.

Right of Way and 11/09/67 Droege, Fred Lakehead Deeds Vol. 290 571 485562 WI-DGL-330
Easement Grant J., et ux. Pipe Line Company,
Inc.

Legal Description:
The South fractional one-half (S 1/2) of the Northwest one-quarter (NW 1/4) East of the St. Croix River in Section 31, Township 44 North, Range 11 West, all in Section 31, Township 44 North, Range 11 West.

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Pipe Line Crossing Permit (License No. 18141) 05/01/68 Soo Line Railroad Company Lakehead Pipe Line Company, Inc. - - - - WI-DGL-331

Legal Description:
Across Railroad Company's property at Gordon, Wisconsin, for a distance of approximately 237 feet in the NE corner of NW/4 SW/4, Sec. 31, T44N, R11W.

Right of Way Easement 03/26/68 State Conservation Commission of Wisconsin Lakehead Pipe Line Company, Inc. Deeds Vol. 292 314 487244 WI-DGL-332

Legal Description:
6.27 acres in Sec. 8, T43N, R11W.

Lease 07/20/90 J.F.R. Communications, Inc. Lakehead Pipe Line Company, Inc. - - - - WI-DGL-333

Legal Description:
Part of the W/2 of SW/4, Sec. 22, T47N, R12W.

Lease 06/15/50 Palm, Charles Lakehead - - - - WI-DGL-334

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

E., d/b/a Palm
Dairy Pipe Line
Company,
Inc.

Legal Description:
W/2 of Sec. 36, T49N, R14W.

Untitled (RR
Permit) No. 56728 08/04/53 Great Northern
Railway
Company Lakehead
Pipe Line
Company,
Inc. - - - WI-DGL-500

Legal Description:
Lots 45 & 48 between E. 6th and E. 7th Streets.

Pipe, Permit (RR
Permit) No. 72028 03/16/50 Northern
Pacific
Railway Lakehead
Pipe Line
Company,
Inc. - - - WI-DGL-501-A

Assessment
Assessment 08/03/50
04/20/51

Legal Description:
Lots 182, 184, 186 and 188 on West First Street in Townsite of Superior,
Douglas County, WI.

Pipe, Permit (RR
Permit) No. 72105 05/01/50 Northern
Pacific
Railway Lakehead
Pipe Line
Company,
Inc. - - - WI-DGL-501-B

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Amendment 11/14/50

Legal Description:

From the southeasterly line of 23rd Avenue East; the northeasterly line of East First Street to the Northeasterly line of Lot 10.

Private Road
Crossing Permit
No. 72261

06/22/50 Northern
Pacific
Railway
Company

Lakehead
Pipe Line
Company,
Inc.

WI-DGL-501-C

Legal Description:

15 ft. strip on Lots 4, 6, 8 and 10 Ogdenburg Pier, Superior, WI; and the southwesterly 15 ft. at Lot 3 and the southwesterly 15 ft. of the northeasterly 25 feet of Lot 4, Detroit Pier, Superior, WI.

Pipe, Permit (RR
Permit) No. 72029

03/16/50 Northern
Pacific
Railway

Lakehead
Pipe Line
Company,
Inc.

WI-DGL-501-D

Legal Description:

Parallel to Villard Avenue, City of Superior, WI.

Pipe, Permit (RR
Permit) No. 72975

11/16/50 Northern
Pacific
Railway

Lakehead
Pipe Line
Company,
Inc.

WI-DGL-501-E

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Legal Description:
Lot 252 on West First Street, City of Superior, WI.

Agreement 07/13/50 Northern Pacific Railway Lakehead Pipe Line Company, Inc. - - - - WI-DGL-501-F

Legal Description:
RR's Hill Avenue Yard, City of Superior, WI.

Untitled (RR Permit) No. 62069 04/08/57 Great Northern Railway Company Lakehead Pipe Line Company, Inc. - - - - WI-DGL-502-A

Legal Description:
Sec. 10, T48N, R14W.

Untitled (RR Permit) No. 62070 04/08/57 Great Northern Railway Company Lakehead Pipe Line Company, Inc. - - - - WI-DGL-502-B

Legal Description:
Sec. 31, T48N, R15W

| Document Title | Date | Grantor | Grantee | Records | Book/Vol. | Page | File No. | Reference No. |
|---|----------|--------------------------------|----------------------------------|---------|-----------|------|----------|---------------|
| Untitled (RR Permit) No. 51296 | 05/17/50 | Great Northern Railway Company | Lakehead Pipe Line Company, Inc. | - | - | - | - | WI-DGL-503-A |
| <p><u>LEGAL DESCRIPTION:</u> A crossing across the right of way of Grantor at or near Superior Station at survey station 313 plus 40.</p> | | | | | | | | |
| Untitled (RR Permit) No. 51297 | 05/17/50 | Great Northern Railway Company | Lakehead Pipe Line Company, Inc. | - | - | - | - | WI-DGL-503-B |
| <p><u>LEGAL DESCRIPTION:</u> Sec. 31, T48N, R15W (State Line between WI and MN).</p> | | | | | | | | |
| Untitled (RR Permit) No. 74791 | 06/22/67 | Great Northern Railway Company | Lakehead Pipe Line Company, Inc. | - | - | - | - | WI-DGL-504-A |
| <p><u>LEGAL DESCRIPTION:</u> Sec. 10, T48N, R14W.</p> | | | | | | | | |
| Untitled (RR Permit) No. 74310 | 01/04/67 | Great Northern Railway Company | Lakehead Pipe Line Company, Inc. | - | - | - | - | WI-DGL-504-B |

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Inc.

Legal Description:
Sec. 31, T48N, R15W, near state line.

| | | | | | | | | |
|--------------------------------|----------|---|----------------------------------|-------|----------|-----|--------|------------|
| Easement (RR Permit) No. 93086 | 12/19/60 | Chicago, St. Paul, Minneapolis and Oulaha Railway Company | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 267 | 197 | 453678 | WI-DGL-505 |
|--------------------------------|----------|---|----------------------------------|-------|----------|-----|--------|------------|

Legal Description:
NE1/4 SW1/4, Sec. 4, T48N, R13W.

| | | | | | | | | |
|---|----------|---------------------------|----------------------------------|---|---|---|---|--------------|
| Pipe Line Crossing Permit (RR Permit) No. 18052 | 02/13/68 | 800 Line Railroad Company | Lakehead Pipe Line Company, Inc. | - | - | - | - | WI-DGL-506-A |
|---|----------|---------------------------|----------------------------------|---|---|---|---|--------------|

Legal Description:
Sec. 36, T44N, R12W.

| | | | | | | | | |
|---|----------|---------------------------|----------------------------------|---|---|---|---|--------------|
| Pipe Line Crossing Permit (RR Permit) No. 18141 | 05/01/68 | 800 Line Railroad Company | Lakehead Pipe Line Company, Inc. | - | - | - | - | WI-DGL-506-B |
|---|----------|---------------------------|----------------------------------|---|---|---|---|--------------|

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Legal Description:
NE corner of NW1/4 SW1/4, Sec. 31, T44N, R11W.

Pipe Line Crossing Permit (RR Permit) No. 93995 04/04/68 Soo Line Railroad Company Lakehead Pipe Line Company, Inc. - - - - WI-DGL-506-C

Legal Description:
Sec. 31, T44N, R11W.

License No. 18037 02/01/68 Soo Line Railroad Company Lakehead Pipe Line Company, Inc. - - - - WI-DGL-506-D

Legal Description:
Sec. 4, T47N, R13W.

Untitled (RR Permit) 03/17/50 Duluth, Missabe and Iron Range Railway Co. Lakehead Pipe Line Company, Inc. - - - - WI-DGL-507-A

Legal Description:
SW/4 of NW/4 of Sec. 16, T48N, R14W.

| Document Title | Date | Grantor | Grantee | Records | Book/Vol. | Page | File No. | Reference No. |
|--|----------|---|----------------------------------|---------|-----------|------|----------|---------------|
| Untitled (RR Permit) | 03/01/57 | Duluth, Missabe and Iron Range Railway Co. | Lakehead Pipe Line Company, Inc. | - | - | - | - | WI-DGL-507-B |
| <u>Legal Description:</u> SW/4 of NW/4, Sec. 16, 48N, 14W. | | | | | | | | |
| Untitled (RR Permit) | 05/17/67 | Duluth, Missabe and Iron Range Railway Co. | Lakehead Pipe Line Company, Inc. | - | - | - | - | WI-DGL-507-C |
| <u>Legal Description:</u> SW/4 of NW/4 of Sec. 16, T48N, R14W. | | | | | | | | |
| Untitled (RR Permit) | 02/05/68 | Duluth, Missabe and Iron Range Railway Co. | Lakehead Pipe Line Company, Inc. | - | - | - | - | WI-DGL-507-D |
| <u>Legal Description:</u> SE/4 of NW/4 and NE/4 of SW/4, both in Sec. 18, T48N, R13W. | | | | | | | | |
| Pipe Line Crossing Permit (RR Permit) License No. 12105 | 05/01/50 | Minneapolis, St. Paul & Sault Ste. Marie Railroad | Lakehead Pipe Line Company, Inc. | - | - | - | - | WI-DGL-508-A |

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Company

LEGAL DESCRIPTION:
Across grantor's right of way in the City of Superior, Wisconsin, at Station 83 more or less 80.

| | | | | | | | | |
|---|----------|--|----------------------------------|---|---|---|---|--------------|
| Pipe Line Crossing Permit (RR Permit) License No. 12149 | 07/01/50 | Edgar F. Zeller, as Trustee of the property of the Wisconsin Central Railway Company | Lakehead Pipe Line Company, Inc. | - | - | - | - | WI-DGL-508-B |
|---|----------|--|----------------------------------|---|---|---|---|--------------|

LEGAL DESCRIPTION:
Sec. 2, T48N, R14W.

| | | | | | | | | |
|---|----------|------------------------------------|----------------------------------|---|---|---|---|--------------|
| Pipe Line Crossing Permit (RR Permit) License No. 14158 | 04/01/57 | Wisconsin Central Roadroad Company | Lakehead Pipe Line Company, Inc. | - | - | - | - | WI-DGL-508-C |
|---|----------|------------------------------------|----------------------------------|---|---|---|---|--------------|

LEGAL DESCRIPTION:
SW1/4 NE1/4 Sec. 2, T48N, R14W.

| | | | | | | | | |
|---|----------|---|----------------------------------|---|---|---|---|--------------|
| Pipe Line Crossing Permit (RR Permit) License No. 14159 | 04/01/57 | Minneapolis, St. Paul & Sault Ste. Marie Railroad | Lakehead Pipe Line Company, Inc. | - | - | - | - | WI-DGL-508-D |
|---|----------|---|----------------------------------|---|---|---|---|--------------|

| Document Title | Date | Grantor | Grantee | Records | Book/Vol. | Page | File No. | Reference No. |
|--|----------|---------------------------|----------------------------------|---------|-----------|------|----------|---------------|
| Company | | | | | | | | |
| <u>LEGAL DESCRIPTION:</u> SE1/4 NE1/4, Sec. 10, T48N, R14W. | | | | | | | | |
| Pipe Line Crossing Permit (RR Permit) License No. 17838 | 05/29/67 | Soo Line Railroad Company | Lakehead Pipe Line Company, Inc. | - | - | - | - | WI-DGL-508-E |
| <u>LEGAL DESCRIPTION:</u> Sec. 2, T48N, R14W. | | | | | | | | |
| Pipe Line Crossing (RR Permit) License No. 17839 | 05/29/67 | Soo Line Railroad Company | Lakehead Pipe Line Company, Inc. | - | - | - | - | WI-DGL-508-F |
| <u>LEGAL DESCRIPTION:</u> Sec. 10, T48N, R14W. | | | | | | | | |
| Pipe Line Crossing Permit (RR Permit) License No. 18037 | 02/01/68 | Soo Line Railroad Company | Lakehead Pipe Line Company, Inc. | - | - | - | - | WI-DGL-509-A |
| <u>LEGAL DESCRIPTION:</u> Sec. 4, T47N, R13W. | | | | | | | | |

| Document Title | Date | Grantor | Grantee | Records | Book/Vol. | Page | File No. | Reference No. |
|--|----------|---------------------------------------|----------------------------------|------------|-----------|------|----------|---------------|
| Pipe Line Crossing Permit (RR Permit) License No. 18052 | 02/13/68 | Soo Line Railroad Company | Lakehead Pipe Line Company, Inc. | - | - | - | - | WI-DGL-509-B |
| <u>Legal Description:</u> Sec. 36, T44N, R12W. | | | | | | | | |
| Pipe Line Crossing Permit (RR Permit) License No. 18141 | 05/01/68 | Soo Line Railroad Company | Lakehead Pipe Line Company, Inc. | - | - | - | - | WI-DGL-509-C |
| <u>Legal Description:</u> NE corner of NW1/4 SW1/4, Sec. 31, T44N, R11W. | | | | | | | | |
| Application/Permit (Road Crossing) Permit No. 3303-B | 03/04/68 | State Highway Commission of Wisconsin | Lakehead Pipe Line Company, Inc. | Agreements | Vol. 76 | 463 | 487854 | WI-DGL-510-A |
| <u>Legal Description:</u> Towns of Superior, Parkland, Oakland, Hawthorne, Bennett, Solon Springs, Gordon & Wascott, County of Douglas. | | | | | | | | |
| Sec. 12 of T48N, R14W | | | | | | | | |
| Secs. 7, 16, 20, 29, 33 of T48N, R13W | | | | | | | | |
| Secs. 4, 3, 10, 14, 23, 26, 25, 36 of T47N, R13W | | | | | | | | |

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Legal Description:
All county highways in the County of Douglas.

Pipeline Permit (Road Crossing Permit) 12/13/67 Town of Superior Lakehead Pipe Line Company, Inc. Agreements Vol. 75 607 486133 WI-DGL-510-D

Legal Description:
All town roads, streets and alleys in the Town of Superior.

Pipeline Permit (Road Crossing Permit) 12/12/67 Town of Parkland Lakehead Pipe Line Company, Inc. Agreements Vol. 75 629 486217 WI-DGL-510-B

Legal Description:
All town roads, streets and alleys in the Town of Parkland.

Pipeline Permit (Road Crossing Permit) 12/06/67 Town of Oakland Lakehead Pipe Line Company, Inc. Agreements Vol. 75 630 486218 WI-DGL-510-F

Legal Description:
All town roads, streets and alleys in the Town of Oakland.

| Document Title | Date | Grantor | Grantee | Records | Book/Vol. | Page | File No. | Reference No. |
|---|----------|-----------------------|----------------------------------|------------|-----------|------|----------|---------------|
| Pipeline Permit (Road Crossing Permit) | 12/13/67 | Town of Bennett | Lakehead Pipe Line Company, Inc. | Agreement | Vol. 75 | 605 | 486132 | WI-DGL-510-G |
| <u>Legal Description:</u> All town roads, streets and alleys in the Town of Bennett. | | | | | | | | |
| Pipeline Permit (Road Crossing Permit) | 12/08/67 | Town of Solon Springs | Lakehead Pipe Line Company, Inc. | Agreements | Vol. 75 | 637 | 486258 | WI-DGL-510-H |
| <u>Legal Description:</u> All town roads, streets and alleys in the Town of Solon Springs. | | | | | | | | |
| Pipeline Permit (Road Crossing Permit) | 12/30/67 | Town of Gordon | Lakehead Pipe Line Company, Inc. | Agreements | Vol. 76 | 3 | 486339 | WI-DGL-510-I |
| <u>Legal Description:</u> All town roads, streets and alleys in the Town of Gordon. | | | | | | | | |
| Pipeline Permit (Road Crossing Permit) | 01/20/68 | Town of Wascott | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 291 | 486 | 486490 | WI-DGL-510-J |

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Legal Description:
All town roads, streets and alleys in the Town of Mascott.

Pipeline Permit 01/08/68 Town of Hawthorne Lakehead Pipe Line Company, Inc. Agreements Vol. 75 631 486224 WI-DGL-510-K
(Road Crossing Permit)

Legal Description:
All town records, streets and alleys in the Town of Hawthorne.

Pipeline Permit 06/23/53 Town of Lakeside Lakehead Pipe Line Company, Inc. - - - WI-DGL-511
(Road Crossing Permit)

Legal Description:
All town roads, streets and alleys in the Town of Lakeside.

Pipeline Permit 06/25/53 Town of Maple Lakehead Pipe Line Company, Inc. - - - WI-DGL-512
(Road Crossing Permit)

Legal Description:
All town roads, streets and alleys in the Town of Maple.

| Document Title | Date | Grantor | Grantee | Records | Book/Vol. | Page | File No. | Reference No. |
|---|----------|---|----------------------------------|---------|-----------|------|----------|---------------|
| Easement (Road Crossing Permit) | 01/05/50 | City of Superior | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 220 | 240 | 403174 | WI-DGL-512-B |
| <p><u>Legal Description:</u> The NW1/4 of Sec. 36, T49, R14W, thence in a northeasterly direction within public right of way of Ogdenburg Pier Dock located on the Bay Front between 23rd Avenue East and 24th Avenue East.</p> | | | | | | | | |
| Pipeline Permit (Road Crossing Permit) | 06/22/53 | Town of Brule | Lakehead Pipe Line Company, Inc. | - | - | - | - | WI-DGL-513 |
| <p><u>Legal Description:</u> All town roads, streets and alleys in the Town of Brule.</p> | | | | | | | | |
| Pipeline Permit (Road Crossings Permit) | 03/06/53 | County Board of Supervisors of Douglas County | Lakehead Pipe Line Company, Inc. | - | - | - | - | WI-DGL-514 |
| <p><u>Legal Description:</u> All county highways in the County of Douglas.</p> | | | | | | | | |
| Pipeline Permit (Road Crossing) | 06/22/63 | Town of Parkland | Lakehead Pipe Line | - | - | - | - | WI-DGL-515 |

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Permit)

Legal Description:
All town roads, streets and alleys in the Town of Parkland.

Right-of-Way Grant 01/23/50 County Board
of Supervisors
of Douglas
County Lakehead
Pipe Line
Company,
Inc. - - - WI-DGL-516

Legal Description:
Underneath the Military Road in Sec. 26, T48N, R15W.

Application/Permit
(Road Crossing
Permit No. 1004-B) 06/21/67 State Highway
Commission of
Wisconsin Lakehead
Pipe Line
Company,
Inc. - - - WI-DGL-517-A

Legal Description:
NW/4 of SE/4, Sec. 10, T48N, R14W (Tower Ave. and 70th St.) State Trunk
Highway No. 35.

Application/Permit
(Road Crossing
Permit No. 1538-B) 08/08/67 State Highway
Commission of
Wisconsin Lakehead
Pipe Line
Company,
Inc. - - - WI-DGL-517-B

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Legal Description:
NE/4 of SW/4 of Sec. 26, T48N, R15W.

Easement 12/05/49 Douglas County Lakehead Pipe Line Company, Inc. Deeds Vol. 220 36 399597 WI-DGL-518

Legal Description:
Southwest Quarter (SW1/4) of the Northeast Quarter (NE1/4) of Sec. 2, City of Superior, T48N, R14W. Lots numbered One (1), Two (2), Three (3), Four (4) and Five (5) in Block numbered Thirteen (13).

Lots numbered Sixteen (16), Seventeen (17), Eighteen (18), Nineteen (19), Twenty (20), Twenty-four (24), Twenty-five (25), Twenty-six (26), Twenty-seven (27), Twenty-eight (28), Twenty-nine (29), Thirty (30) and Thirty-one (31) in Block numbered Twelve (12).

Lots numbered One (1), Two (2), Three (3), Four (4), Five (5) and Six (6) in Block numbered Eleven (11).

Fractional Lots numbered One (1), Two (2), Three (3), Four (4), Five (5), Six (6) and Seven (7) (except Railroad Right-of-way in Lot numbered Seven (7)) in Block numbered Two (2).

Fractional Lots numbered Eleven (11) and Twelve (12) (except Railroad Right of Way) in Block numbered Two (2).

All in Syndicate Addition Number 2 to South Superior, according to the recorded plat, City of Superior.

Lots numbered One (1), Two (2), Three (3), Four (4), Five (5), Six (6), Seven (7), Eight (8), Nine (9), Ten (10), Eleven (11), Twelve (12), Thirteen (13), Fourteen (14), Fifteen (15), Sixteen (16), Seventeen (17), Eighteen (18), Nineteen (19), Twenty (20), Twenty-one (21), Twenty-two (22) Twenty-three (23)

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

and Twenty-four (24) in Block numbered Forty-four (44).

Lots numbered One (1), Two (2), Three (3), Sixteen (16), Seventeen (17), Eighteen (18), Nineteen (19), Twenty (20), Twenty-one (21), Twenty-two (22), Twenty-three (23), Twenty-four (24), Twenty-five (25), Twenty-six (26), Twenty-seven (27), Twenty-eight (28), Twenty-nine (29) and Thirty (30) in Block numbered Forty-three (43).

Lots numbered One (1), Two (2), Three (3), Four (4), Five (5), Six (6), Seven (7), Fifteen (15), Sixteen (16), Seventeen (17), Eighteen (18), Nineteen (19), and Twenty (20) in Block Numbered Thirty-Eight (38).

Lots numbered One (1), Twenty (20), Twenty-one (21), Twenty-two (22), Twenty-three (23), Twenty-seven (27) and Twenty-eight (28) in Block numbered Thirty-nine (39).

Lots numbered Thirteen (13), Fourteen (14), Fifteen (15), Sixteen (16), Seventeen (17), Eighteen (18), Nineteen (19), Twenty (20), Twenty-one (21), Twenty-two (22), Twenty-six (26), Twenty-seven (27) and Twenty-eight (28) in Block numbered Twenty-six (26).

Lots numbered One (1), Two (2), Three (3), and Five (5) in Block numbered Twenty-five (25).

All in Webster Division to South Superior, according to the recorded plat, City of Superior.

Lots numbered One (1), Two (2), Three (3), Four (4), Five (5), and Six (6) in Block numbered Eight (8).

Fractional Lot numbered One (1) in Block numbered One (1).

All in Riverside Addition to South Superior, according to the recorded plat, City of Superior.

Lots numbered Five (5), Six (6), Seven (7), Eight (8), Nine (9), Ten (10) and Eleven (11) in Block numbered One (1).

Lots numbered One (1), Two (2), Three (3), Four (4), Twenty-three (23), Twenty-four (24), Twenty-five (25), Twenty-six (26), Twenty-seven (27), Twenty-eight (28), Twenty-nine (29), Thirty (30), Thirty-one (31) and Thirty-

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

two (32) in Block numbered Two (2).

All in World's Fair Division to South Superior, according to the recorded plat, Village of Superior.

Lots numbered One (1), Two (2), Three (3), Four (4), Five (5), Six (6), Fourteen (14), Fifteen (15), Sixteen (16), Seventeen (17), Eighteen (18), Nineteen (19), Twenty (20), Twenty-one (21), Twenty-two (22), Twenty-three (23), Twenty-four (24), Twenty-five (25) and Twenty-six in Block numbered Six (6).

Lots numbered Sixteen (16), Seventeen (17), Eighteen (18), Nineteen (19), Twenty (20), Twenty-one (21) and Twenty-two (22), in Block numbered Three (3).

All in Cheltenham Addition to South Superior, according to the recorded plat, Village of Superior.

Lots numbered One (1), Two (2), Three (3), Four (4), Five (5) and Six (6) in Block numbered Fourty-three (43).

Lots numbered Ten (10), Eleven (11), Twelve (12), and Thirteen (13) in Block numbered Thirty-eight (38).

Lots numbered One (1), Two (2), Three (3), Four (4), Five (5), Fifteen (15), Sixteen (16), Seventeen (17), Eighteen (18), Nineteen (19), Twenty (20), Twenty-one (21), Twenty-two (22), Twenty-three (23), and Twenty-four (24) in Block Thirty-nine (39).

Lots numbered Ten (10), Eleven (11), Twelve (12), Thirteen (13), Fourteen (14), Fifteen (15) and Sixteen (16) in Block numbered Twenty-six (26).

Fractional Lots numbered Three (3), Four (4), Five (5), Six (6), Seven (7), Eight (8), Nine (9), Ten (10), Eleven (11), Twelve (12), Thirteen (13), Fourteen (14) and Fifteen (15) in Block numbered Twenty-five (25).

All in Central Division to South Superior according to the recorded plat, Village of Superior.

Lots numbered One (1), Two (2), Three (3), Four (4), Five (5), and Six (6) in Block numbered One (1).

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Lots numbered One (1), Two (2), Four (4), Five (5), Six (6), Seven (7) (except Railroad Right of Way in Lots numbered One (1) through Seven (7), Eight (8), Nine (9), Ten (10), Eleven (11) and Twelve (12) in Block numbered Two (2)).

Lots numbered One (1), Two (2) and Three (3) in Block numbered Three (3).

All in Ironwood Division to South Superior according to the recorded plat, Village of Superior.

Lots numbered One (1), Two (2), Three (3), Four (4), Five (5), Six (6), Seven (7), Eight (8), Nine (9), Ten (10), Thirteen (13), Fourteen (14), Fifteen (15), Sixteen (16), Seventeen (17), Eighteen (18), Nineteen (19), Twenty (20), Twenty-one (21) and Twenty-two (22) in Block numbered Nine (9).

Lots numbered One (1), Two (2), Three (3), Four (4), (except Railroad Right of Way in Lots (1) through Four (4)), Eighteen (18), Nineteen (19), Twenty (20), Twenty-one (21), Twenty-two (22), Twenty-three (23) and Twenty-four (24) in Block numbered Ten (10).

Lots numbered Eight (8), Nine (9), Ten (10), Eleven (11), Twelve (12), and Thirteen (13) in Block numbered Seven (7).

Lots numbered One (1), Two (2), Three (3), Four (4), Five (5), Six (6), Seven (7), Eight (8) and Nine (9) in Block numbered Six (6).

Undivided One-half (1/2) of Lots numbered Three (3), Four (4), Five (5) and Six (6) in Block numbered Four (4).

All in Magoffin's Addition to South Superior according to the recorded plat, Village of Superior.

Lots numbered Twelve (12), Fifteen (15), Sixteen (16), Seventeen (17), Eighteen (18), Nineteen (19), Twenty (20), Twenty-one (21), Twenty-two (22), Twenty-three (23) and Twenty-four (24), in Block numbered One (1).

Lots numbered One (1), Two (2), Three (3), Four (4), Five (5), Six (6), Seven (7), Eight (8), Nine (9), Ten (10), Eighteen (18), Nineteen (19) and Twenty (20) in Block numbered Two (2).

Lots numbered One (1), Two (2), Three (3) and Four (4) in Block numbered Four

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

(4).

All in Pokegama Park Addition to South Superior, according to the recorded plat, Village of Superior.

North One-half (N1/2) of the Southwest Quarter (SW1/4) of the Southwest Quarter (SW1/4) and the Southeast Quarter (SE1/4) of the Southwest Quarter (SW1/4) of the Southwest Quarter (SW1/4) of Section Ten (10) Township Forty-eight (48) North Range Fourteen (14) West, City of Superior.

South One-half (S1/2) of the Southeast Quarter (SE1/4) of the Southeast Quarter (SE1/4) and the Northwest Quarter (NW1/4) of the Southeast Quarter (SE1/4) of the Southeast Quarter (SE1/4) of Section Nine (9) Township Forty-eight (48) North Range Fourteen (14) West, City of Superior.

North One-half (N1/2) of the Northeast Quarter (NE1/4) and the Southwest Quarter (SW1/4) of the Northeast Quarter (NE1/4) and the East One-Half (E1/2) of the Northwest Quarter (NW1/4) less the Interstate Transfer Railroad Right of Way and the North one-half (N1/2) of the Northwest Quarter (NW1/4) of the Southwest Quarter (SW1/4) of Section Sixteen (16) Township Forty-eight (48) North Range Fourteen (14) West, City of Superior.

North One-half (N1/2) of the Southeast Quarter (SE1/4) and the Southwest Quarter (SW1/4) of the Southeast Quarter (SE1/4) and the South One-Half (S1/2) of the Southwest Quarter (SW1/4) of Section Seventeen (17) Township Forty-eight (48) North Range Fourteen (14) West, City of Superior.

North One-half (N1/2) of the Northwest Quarter (NW1/4) of Section Twenty (20), Township Forty-eight (48) North Range Fourteen (14) West, City of Superior.

East One-Half (E1/2) of the Northeast Quarter (NE1/4) and the Northwest Quarter (NW1/4) of the Northeast Quarter (NE1/4) and the Southeast Quarter (SE1/4) of the Northwest Quarter (NW1/4) and the North One-half (N1/2) of the Southwest Quarter (SW1/4) and the Southwest Quarter (SW1/4) of the Southwest Quarter (SW1/4) of Section Nineteen (19) Township Forty-eight (48) North Range Fourteen (14) West, City of Superior.

East One-half (E1/2) of the Southeast Quarter (SE1/4) and the Southwest Quarter (SW1/4) of the Southeast Quarter (SE1/4) of Section Twenty-Four (24) Township Forty-eight (48) North Range Fifteen (15) West, Unnamed.

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Northwest Quarter (NW1/4) of the Northeast Quarter (NE1/4) and the West One-half (W1/2) of the Northwest Quarter (NW1/4) of Section Twenty-five (25) Township Forty-eight (48) North Range Fifteen (15) West, Unnamed.

South One-half (S1/2) of the Northeast Quarter (NE1/4) and the North One-Half (N1/2) of the Southeast Quarter (SE1/4) and the North One-half (N1/2) of the Southwest Quarter (SW1/4) and the Southwest Quarter (SW1/4) of the Southwest Quarter (SW1/4) of Section Twenty-six (26) Township Forty-eight (48) North Range Fifteen (15) West, Unnamed.

East One-half (E1/2) of the Southeast Quarter (SE1/4) and the Southeast Quarter (SE1/4) of the southwest Quarter (SW1/4) of Section Twenty-seven (27), Township Forty-eight (48) North Range Fifteen (15) West, Unnamed.

East One-half (E1/2) of the East One-half (E1/2) of the Northeast Quarter (NE1/4) of the Northeast Quarter (NE1/4) and the West One-half (W1/2) of the East One-half (E1/2) of the Northeast Quarter (NE1/4) and the West One-half (W1/2) of the Northeast Quarter (NE1/4) of the Northeast Quarter (NE1/4) and the West One-half (W1/2) of the Northeast Quarter (NE1/4) of the Northeast Quarter (NE1/4) and the West One-half (W1/2) of the Northeast Quarter (NE1/4) and the East One-half (E1/2) of the Southwest Quarter (SW1/4) of the Northeast Quarter (NE1/4) and the East One-half (E1/2) of the Southwest Quarter (SW1/4) of the Northeast Quarter (NE1/4) of Section Thirty-three (33) Township Forty-eight (48) North Range Fifteen (15) West, Unnamed.

Southeast Quarter (SE1/4) of the Northeast Quarter (NE1/4) and the North One-half (N1/2) of the Southwest Quarter (SW1/4) of the Northeast Quarter (NE1/4) and the Southwest Quarter (SW1/4) of the Southwest Quarter (SW1/4) of the Northeast Quarter (NE1/4) and the North One-half (N1/2) of the Southwest Quarter (SW1/4) of the Southwest Quarter (SW1/4) and the North One-half (N1/2) of the Southwest Quarter (SW1/4) of Section Thirty-two (32) Township Forty-eight (48) North Range Fifteen (15) West, Unnamed.

Lots numbered One (1), Two (2), Three (3), Four (4), Five (5), Six (6), Seven (7), Eight (8), and Sixteen (16) in Block numbered Eight (8), Unnamed.

Lots numbered Twenty-two (22), Twenty-six (26), Twenty-seven (27) and Twenty-eight (28) in Block numbered Seven (7), Unnamed.

Lots numbered One (1), Two (2), Three (3), Four (4), Five (5), Twelve (12), Thirteen (13), Fourteen (14), Seventeen (17), and Twenty-one (21) in Block numbered Six (6).

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

All in Syndicate Addition to South Superior, City of Superior, according to recorded plat.

Pipeline Permit
(Road Crossings Permit)
03/07/57 Town of Superior Lakehead Pipe Line Company, Inc. - - - - WI-DGL-519-A

Legal Description:
All town roads, streets and alleys in the Town of Superior.

Resolution (Road Crossings Permit)
04/08/50 Town Board of the Town of Superior Lakehead Pipe Line Company, Inc. - - - - WI-DGL-519-B

Legal Description:
Town roads situated within the Town of Superior

Pipeline Permit
(Road Crossings Permit)
03/01/57 Village of Superior Lakehead Pipe Line Company, Inc. - - - - WI-DGL-519-C

Legal Description:
All village roads, streets and alleys in the Village of Superior.

| Document Title | Date | Grantor | Grantee | Records | Book/Vol. | Page | File No. | Reference No. |
|--|----------|---|---|------------|-----------|------|----------|---------------|
| Pipe Line Permit (Road Crossing Permit) | 06/22/53 | Town of Brule | Lakehead Pipe Line Company, Inc. | - | - | - | - | WI-DGL-519-D |
| <u>Legal Description:</u> All town roads, streets and alleys in the town of Brule. | | | | | | | | |
| Order (Road Crossing Permit No. 2931-B) | 03/15/57 | State Highway Commission of Wisconsin | Lakehead Pipe Line Company, Inc. | - | - | - | - | WI-DGL-520-A |
| <u>Legal Description:</u> State Trunk Highway No. 35 in Sec. 10, T48N, R14W. | | | | | | | | |
| Approval (Road Crossing Permit No. 1956-B) | 03/21/50 | State Highway Commission of Wisconsin | Lakehead Pipe Line Company, Inc. | - | - | - | - | WI-DGL-520-B |
| <u>Legal Description:</u> State Trunk Highway No. 35 at approximately 70th Street, City of Superior, in Sec. 10, T48N, R14W. | | | | | | | | |
| Pipeline Permit (Road Crossing Permit) | 11/24/67 | City of Superior | Lakehead Pipe Line Company, | Agreements | Vol. 75 | 625 | 486215 | WI-DGL-521 |

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Inc.

Local Description:
City highways, streets and alleys in the City of Superior.

Pipeline Permit 07/01/53 City of Superior Lakehead Pipe Line Company, Inc. - - - - WI-DGL-522-A
(Road Crossing Permit)

Local Description:
City highways, streets and alleys in the City of Superior.

Easement (Road Crossing and Dredging Permit) 02/28/50 City of Superior Lakehead Pipe Line Company, Inc. Deeds Vol. 220 241 403175 WI-DGL-522-C

Local Description:
Easement to deepen, dredge and excavate in, upon, under, along and across Thompson Avenue, also known as 23rd Avenue East, where said avenue runs under water and adjacent to Ogdensburg Pier.

Easement (Road Crossings Permit) 12/14/49 City of Superior Lakehead Pipe Line Company, Inc. Deeds Vol. 220 35 399594 WI-DGL-523

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Legal Description:

Along and across any and all streets, avenues, alleys, public highways and public thoroughfares that it may encounter or otherwise meet or traverse from any point on the western or southern boundary of the corporate limits of the City of Superior to its ultimate destination and site known as the tank farm and pipe line site immediately to the north and east of the Municipal golf course in Section No. 36 in the City of Superior, Wisconsin.

Pipeline Permit
(Road Crossing Permit) 07/01/53 City of Superior Lakehead Pipe Line Company, Inc. - - - - WI-DGL-524-A

Legal Description:

City highways, streets and alleys in the City of Superior.

Pipe Line Permit
(Road Crossing Permit) 03/20/57 City of Superior Lakehead Pipe Line Company, Inc. - - - - WI-DGL-524-B

Legal Description:

City highways, streets and alleys in the City of Superior.

Pipeline Permit
(Road Crossings Permit) 06/23/53 Town of Lakeside Lakehead Pipe Line Company, Inc. - - - - WI-DGL-525-A

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Legal Description:
All town roads, streets and alleys in the Town of Lakeside.

Pipeline Permit (Road Crossings Permit) 06/25/53 Town of Maple Lakehead Pipe Line Company, Inc. - - - - WI-DGL-525-B

Legal Description:
All town roads, streets and alleys in the Town of Maple.

Pipeline Permit (Road Crossings Permit) 06/22/53 Town of Parkland Lakehead Pipe Line Company, Inc. - - - - WI-DGL-525-C

Legal Description:
All town roads, streets and alleys in the Town of Parkland.

Order (Road Crossing Permit No. 271-B) 07/01/53 State Highway Commission of Wisconsin Lakehead Pipe Line Company, Inc. - - - - WI-DGL-526

Legal Description:
Town of Lakeside, State Trunk Highway No. 13 between Sections 11 and 14, T48N, R12W and State Trunk Highway No. 2 and 53 in the SE/4 of Sec. 4, T48N, R13W in the City of Superior.

Document Title Date Grantor Grantee Records Book/Vol. Page File No. Reference No.

Untitled (AR
Permit) No. 90088 10/14/85 Chicago and
North Western
Transportation
Company Lakehead
Pipe Line
Company,
Inc. - - - WI-DGL-529

Legal Description:
Sec. 9, T39N, R9E

738709

DOCUMENT # 738709

Document Number

Quit Claim Deed

The County of Douglas, in the State of Wisconsin, grantor, hereby quit claims to: Rainy River Energy Corporation - Wisconsin, a Wisconsin Corporation grantees, for the sum of One Hundred Twelve Thousand Dollars and no/100 (\$112,000.00) for the following tract of land in said County of Douglas, Wisconsin, to wit:

Recorded
JAN. 18, 2002 AT 11:15AM

KATHY F. HANSON
DOUGLAS COUNTY RECORDER
SUPERIOR, WI 54880-2769
Fee Amount: \$13.00
Fee Exempt 77.25-(2)

See Following Page For Description

Parcel Identification Numbers:

01-801-03653-00, Part of 3661-00, 3667-00, 3668-00
01-801-04858-00, 4859-00 thru 4863-00

Return to:
Douglas County Clerk

Chg 13

Fee 77.25 (2) Exempt

Parcel Identification Number (PIN)

Mineral Rights Reserved By Grantor.

Subject to any valid easements, reservations and restrictions if any:

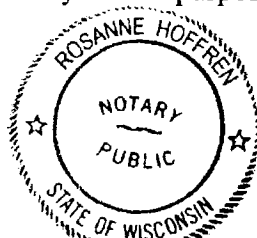
IN TESTIMONY WHEREOF, I Susan T. Sandvick, the County Clerk of the County of Douglas, State of Wisconsin, have executed this deed pursuant to, and by virtue of the authority vested in me by the Statutes of the State of Wisconsin, and by the order of the Board of Supervisors of said County of record in my office, on the 17th day of **January, 2002** and for and on behalf of the said County of Douglas aforesaid, and have hereunto subscribed my name and officially affixed the seal of said Board of Supervisors, and my seal at Superior, in the said County of Douglas, this 18th day of **January, 2002**.



Susan T. Sandvick
Susan T. Sandvick, County Clerk
Douglas County, State of Wisconsin

STATE OF WISCONSIN)
County of Douglas)ss

BE IT REMEMBERED, that on the 18th day of **January, 2002**, before the undersigned, a Notary Public in and for said County, personally appeared Susan T. Sandvick, County Clerk, aforesaid to me known to be the person who executed the above deed and acknowledged the same as County Clerk of the County of Douglas, State of Wisconsin, for and on behalf of said county for the purpose therein mentioned.



Rosanne Hoffren
Rosanne Hoffren, Notary Public, Douglas County, WI.
My commission expires: December 4, 2005
This instrument drafted by Douglas County Clerk

N1/2 & SE1/4 of Block 1, East 15th Street, Townsite of Superior, Lots 6, 8, 10, 12, 14 & 16, Block 1, McBean Blocks, East 15th Street, Lots on East 16th Street, Block 3, East 15th Street, Townsite of Superior, Blocks 2, 3 & 4, East 17th Street, Townsite of Superior and N1/2 and E1/2 of SE1/4 Block 1, East 17th Street, Townsite of Superior, City of Superior.

776396

THIS SPACE RESERVED FOR RECORDING DATA

DOCUMENT # 776396

THIS INDENTURE, Made this 9TH day of September, A. D., 2003, between Enbridge Energy Limited Partnership, formerly known as Lakehead Pipe Line Company, Limited Partnership,

Recorded SEP. 13, 2004 AT 02:55PM KATHY F. HANSON DOUGLAS COUNTY RECORDER SUPERIOR, WI 54880-2769 Fee Amount: \$19.00 Transfer Fee: \$22.50

a limited partnership organized and existing under and by virtue of the laws of the State of Wisconsin, located at 119 North 25th Street East, Superior, WI 54880 Wisconsin, party of the first part, and Rainy River Energy Corporation Wisconsin,

a Corporation duly organized and existing under and by virtue of the laws of the State of Wisconsin, located at 30 W. Superior Street, Duluth, Minnesota, party of the second part.

RETURN TO THOMAS KOZLOWSKI MINNESOTA POWER 30 WEST SUPERIOR STREET DULUTH, MN 55802-2093

Witnesseth, That the said party of the first part, for and in consideration of the sum of Ten (\$10) Dollars and other good and valuable consideration

to it paid by the said party of the second part, the receipt whereof is hereby confessed and acknowledged, has given, granted, bargained, sold, remised, released, aliened, conveyed and confirmed, and by these presents does give, grant, bargain, sell, remise, release, alien, convey and confirm unto the said party of the second part, its successors and assigns forever, the following described real estate situated in the County of Douglas and State of Wisconsin, to-wit:

The SW 1/4 and the W 1/2 of the SE 1/4 of BLOCK ONE (1), EAST 17TH STREET, TOWNSITE OF SUPERIOR, DOUGLAS COUNTY, WISCONSIN, together with all hereditaments and appurtenances; buildings, improvements and fixtures situated thereon; and easements, rights and other privileges benefitting the real property; EXCEPT, Enbridge Energy, Limited Partnership hereby reserves and retains a sixty-foot (60') wide pipeline right-of-way and easement for its pipeline facilities on, over and upon the above described real property in the form set forth in Exhibit A, which is made a part hereof and is expressly consented to by Rainy River Energy Corporation - Wisconsin;

Subject to easements and reservations of record.

Tax Parcel No. 01-801-03667-01

(IF NECESSARY, CONTINUE DESCRIPTION ON REVERSE SIDE)

To Have and to Hold the said premises as above described with the hereditaments and appurtenances, unto the said party of the second part, and to its successors and assigns FOREVER.

And the said Enbridge Energy, Limited Partnership party of the first part, for itself and its successors, does covenant, grant, bargain and agree to and with the said party of the second part, its successors and assigns, that at the time of the ensembling and delivery of these presents it is well seized of the premises above described, as of a good, sure, perfect, absolute and indefeasible estate of inheritance in the law, in fee simple, and that the same are free and clear from all incumbrances whatever, except the easement reserved above.

and that the above bargained premises in the quiet and peaceable possession of the said party of the second part, its successors and assigns, against all and every person or persons lawfully claiming the whole or any part thereof, it will forever WARRANT and DEFEND.

In Witness Whereof, the said Enbridge Energy, Limited Partnership party of the first part, has caused these presents to be signed by JOEL W. KANVIK, its Secretary, at SUPERIOR, Wisconsin, and its corporate seal to be hereunto affixed, this 9TH day of SEPTEMBER, A. D., 2003.

SIGNED AND SEALED IN PRESENCE OF

Handwritten signatures of Douglas B. Aller and Elizabeth J. Bauler.

ENBRIDGE ENERGY, LIMITED PARTNERSHIP ENBRIDGE PIPELINES (LAKEHEAD) L.P.C. As General Partner Corporate Name

Handwritten signature of Joel W. Kanvik. ASST. SECRETARY

COUNTERSIGNED: Secretary

State of Wisconsin, DOUGLAS County, ss. Personally came before me, this 9TH day of SEPTEMBER, A. D., 2003, of the above named Corporation, to me known to be the persons who executed the foregoing instrument, and to me known to be such President and Secretary of said Corporation, and acknowledged that they executed the foregoing instrument as such officers as the deed of said Corporation, by its authority.

Janice M. Larson Notary Public State of Wisconsin

Handwritten signature of Janice M. Larson. My commission (expires) (is) 5/14/06

THIS INSTRUMENT WAS DRAFTED BY Douglas B. Aller 119 N. 25th Street East Superior, WI 54880

(Section 59.31 (1) of the Wisconsin Statutes provides that all instruments to be recorded shall have plainly printed or typewritten thereon the names of the grantors, grantees, witnesses and notary. Section 59.313 similarly requires that the name of the person who, or governmental agency which, drafted such instrument, shall be printed, typewritten, stamped or written thereon in a legible manner.)

**RESERVATION OF PIPELINE
RIGHT-OF-WAY AND
EASEMENT**

Tract W1-554-A

Pursuant to a certain Indenture dated the 9TH day of September, 2003, between Enbridge Energy, Limited Partnership and Rainy River Energy Corporation-Wisconsin (hereinafter "Rainy River"); Rainy River acknowledges and consents to the following:

Enbridge Energy, Limited Partnership, a Delaware limited partnership (formerly known as Lakehead Pipe Line Company, Limited Partnership) of 119 North 25th Street East, Superior, Wisconsin 54880, its grantees, successors and assigns (hereinafter called "Enbridge"), reserves and retains an exclusive right-of-way and perpetual easement to construct, operate, maintain, inspect (including aerial patrol), remove, abandon in place, replace and reconstruct one or more pipelines, together with valves, fittings, protective apparatus and all other equipment and appurtenances as may be convenient in connection therewith for the transportation of crude petroleum, and any product, by-product and derivatives thereof, whether liquid or gaseous, or any material or substance which can be conveyed through a pipeline on, over, under and across a strip of land, as described in Attachment A, which is attached hereto and incorporated herein (hereinafter referred to as the "Right-of-Way"), together with the right to clear and to keep cleared the Right-of-Way so as to prevent damage or interference with its efficient operation and patrol. Whereas, Enbridge's 30" diameter pipeline and appurtenances presently occupy the Right-of-Way, Rainy River consents that Enbridge retains the right of ingress and egress to and from the Right-of-Way for all purposes convenient or incidental to the exercise by Enbridge of the rights herein retained, together with the right to use such of Rainy River's lands immediately adjacent to each side of the Right-of-Way as is reasonably required during construction or maintenance.

The aforesaid rights and easement shall be perpetual, on the following terms and conditions, which are hereby mutually covenanted and agreed to, by and between Rainy River and Enbridge.

FIRST: Enbridge shall have the right to clear and keep cleared all trees, undergrowth, and other obstructions from the Right-of-Way and after said pipeline has been installed Enbridge shall not be liable for damages caused on the Right-of-Way by keeping said Right-of-Way clear of such trees, undergrowth and other obstructions, in the exercise of its rights stated herein.

SECOND: Rainy River shall not excavate, drill, install, erect or permit to be excavated, drilled, installed or erected on, over, under or across the said Right-of-Way and easement any pit, well, foundation, pavement, road or other structure or installation without Enbridge's prior written permission, but otherwise Rainy River shall have the right fully to use and enjoy said premises except as the same may be necessary, convenient or incidental to the purposes herein reserved by Enbridge. Further, Rainy River shall not materially alter the grade of the Right-of-Way and easement without the express, prior written consent of Enbridge.

THIRD: Enbridge agrees to indemnify and hold Rainy River harmless from any and all losses of or damages to property or injuries to or death of any person resulting from Enbridge's activity on the Right-of-Way unless such loss, damage, injury or death results from the negligence or willful misconduct of Rainy River, its agents, representatives, employees, contractors or invitees.

776396

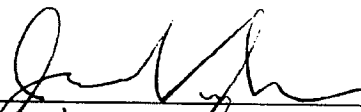
FOURTH: Enbridge shall have the right to assign and mortgage this agreement and the easement herein reserved in whole or part as to all or any portion of the rights accruing hereunder, subject always to the terms hereof.

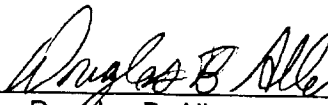
FIFTH: This agreement, including all the covenants and conditions herein contained, shall extend to, be binding upon, and inure to the benefit of the heirs, executors, administrators, successors in title and assigns of Rainy River and Enbridge respectively.

IN WITNESS WHEREOF, Rainy River and Enbridge have executed this document this 10th day of September 2004.

Rainy River Energy Corporation - Wisconsin

**Enbridge Energy, Limited Partnership
By Enbridge Pipelines (Lakehead) L.L.C.,
As General Partner**

By: 
Name: James K. Vizanko
Title: Vice President

By: 
Name: Douglas B. Aller
Title: Senior Land & Right-of-Way Specialist

This Attachment A is attached to and made a part of this Reservation of Right-of-Way and Easement between Rainy River Energy Corporation - Wisconsin and Enbridge Energy, Limited Partnership.

PROPERTY LEGAL DESCRIPTION:

The SW $\frac{1}{4}$ and the W $\frac{1}{2}$ of the SE $\frac{1}{4}$ of Block One (1), East 17th Street, Townsite of Superior, Douglas County, Wisconsin.

TAX PARCEL NUMBER: 01-801-03667-01

RIGHT-OF-WAY DESCRIPTION ACROSS ABOVE-DESCRIBED PROPERTY

A strip of land being the southerly sixty feet (60') of the SW $\frac{1}{4}$ and the W $\frac{1}{2}$ of the SE $\frac{1}{4}$ of Block One (1), East 17th Street, Townsite of Superior, Douglas County, Wisconsin.

(For clarification, it is intended that this 60 foot wide strip runs adjacent to and parallel with West (East) Eighteenth Street along the entire length of the above-described property).

Notary Public
Cook County
Ill.

Notary Public, Cook County, Illinois
my Commission expires April 11, 1911.

State of Minnesota,
County of Ramsey. } 35

Personally came before me this 15th day of April 1907
the above named E. C. Hoodman Secretary of the Chicago, St. Paul, Minnea-
polis + Omaha Railway Company, to me known to be the person who executed
the foregoing instrument, and acknowledged the same for and in behalf of said corporation.

Notarial
Seal
Ramsey
County
Minnesota

Nelson J. Hillborn
Notary Public, Ramsey County, Minnesota
my Commission expires September 29th, 1911.

162 6392
96/604

Douglas County
To
Superior City of
Quit Claim Deed.

L. C. D.
Filed for record April 30th a. D. 1907. at 12 o'clock P. M.
H. G. Johnson, Register.

The County of Douglas, in the State of Wisconsin, grantor, hereby
quit claims to the City of Superior, a municipal corporation, grantee,
of Douglas County, in the State of Wisconsin, for the sum of one dollar
and other valuable considerations the following tracts of land in said
County of Douglas, to-wit:

Part of North West quarter (NW 1/4) in Section One (1), Township
Forty eight (48) North of Range Fourteen (14) West described as follows:

Beginning at a point on the East and West center line of said section
which point is 330 feet West of the centerline thereof, thence West on
said East and West center line to Westline of said section One (1),
thence North and following the West line of section One (1) to the
Northwest Corner thereof; thence East and following the north line of
section One (1) to the North quarter corner thereof, thence South and
following the north and south centerline of said section to a point
of 930 feet North of the center of said section, thence West, at a right
angle to the last described line 330 feet, thence South 930 feet to
the place of beginning.

Part of North West quarter (NW 1/4) of section One (1), Township
forty eight (48) North of Range Fourteen (14) West described as follows:

Beginning at the center of section One (1), thence West on the
East and West quarter line 330 feet; thence North 930 feet; thence
East 330 feet, thence South 930 feet to the place of beginning.

Part of Lot seven (7) in Section One (1) Township Forty eight (48) North
of Range Fourteen (14) West, that is described as follows:

Beginning at the center of section One (1), thence North 930 feet
thence East 330 feet, thence South 430 feet, thence East 550 feet, thence
South to the westerly bank of the Nemadji river, thence South-
westerly and following said westerly bank of the Nemadji river
to the East and West center line of said section One (1), thence West
and following the said East and West center line to the place of begin-
ning.

Part of Lot Seven (7) in section One (1) Township Forty eight
North of Range Fourteen (14) West described as follows:

Beginning at a point on the West line of said section

Point is 930 feet north of the South West Corner thereof, thence North and following the West line of said Lot seven (7) to the Northwest corner thereof, thence East and following the North line of said Lot Seven (7) to the Northeast corner thereof; thence South and following the East line of said Lot Seven (7) to the Nemadji river, thence South West arly along said Nemadji river to a point 580 feet East of the North and South center line of said Section One (1), thence North to a point 500 feet north of the East and West center line of said Section One (1), thence West 550 feet, thence North 430 feet, thence West 330 feet to the place of beginning.

The North West quarter of the North East quarter (NW $\frac{1}{4}$ of NE $\frac{1}{4}$) and Lots one (1), Two (2), Three (3), Eight (8) and nine (9), all in Section One (1) Township Forty eight (48) North of Range Fourteen (14) West.

The East half of the North East quarter (E $\frac{1}{2}$ of NE $\frac{1}{4}$) of Section Two (2) Township Forty eight (48) North of Range Fourteen (14) West.

The Undivided One-half (Und. $\frac{1}{2}$) of the North West quarter (NW $\frac{1}{4}$) of Section Four (4) Township Forty eight (48) North of Range Fourteen (14) West.

The North half of the North West quarter of the North West quarter (N $\frac{1}{2}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$) of Section Twenty six (26) Township Forty nine (49) North of Range Fourteen (14) West.

The South half (S $\frac{1}{2}$) of Section Thirty six (36), Township Forty nine (49) North of Range Fourteen (14) West, saving and excepting therefrom the piece or parcel of land allotted by metes and bounds to J. W. Martin, and also excepting a strip of land 200 feet wide through N.W $\frac{1}{4}$ of S.W $\frac{1}{4}$ lying southeasterly and adjacent to present Northern Pacific Railway Company Right of Way and quitclaimed by Douglas County to Northwestern Improvement Company on the 12th day of April 1907.

The Northwest quarter of the northeast quarter (NW $\frac{1}{4}$ of NE $\frac{1}{4}$) of Section Four (4) Township Forty eight (48) North of Range Thirteen (13) West excepting Right of Way.

The South One-half of the North West quarter of the South West quarter (NW $\frac{1}{4}$ SW $\frac{1}{4}$) Section Six (6) Township Forty eight (48) North of Range Thirteen (13) West.

The South West quarter of the South West quarter (SW $\frac{1}{4}$ SW $\frac{1}{4}$) Section Six (6) Township Forty eight (48) North of Range Thirteen (13) West. Diagrams Lots One Hundred Eighty seven (187), One hundred ninety four (194) and One hundred ninety five (195).

Lots Four Hundred Thirty Three (433), Four hundred Thirty five (435) and Four hundred Thirty seven (437) on West Second (2nd) Street in the Town site of Superior.

All in the City of Superior.

This Deed is issued according to a resolution adopted by the Board of Supervisors in and for Douglas County Wisconsin, on the

489-643

QUIT CLAIM DEED

THIS INDENTURE, Made by Lakehead Pipe Line Company, Inc. a Corporation duly organized and authorized to transact business in State of Wisconsin, grantee of Douglas County, Wisconsin, hereby quit claims to THE CITY OF SUPERIOR, WISCONSIN, a municipal corporation, grantee, of Douglas County, Wisconsin the following tract of land (hereinafter referred to as the Premises) in Douglas County, State of Wisconsin.

The Northerly Five Hundred Fifty (550) feet of the Southerly Eight Hundred Fifty (850) feet of the Southwest Quarter (SW 1/4) of Section 36, Township 49 North, Range 14 West in Douglas County, Wisconsin according to the government Survey thereof subject to power line and other easements and public roadways of record.

EXCEPT the area lying Westerly of a Line Parallel to and Fifty (50) feet Eastwily of the Existing Lakehead Pipe Line Company, Inc. 18 inch pipeline as presently laid across said parcel.

Said parcel less the exception contains an area of approximately 28.5 acres more or less.

It is understood and agreed by and between the parties herein, their successors and assigns that nothing with the Premises and as part of the consideration for the granting of the Premises, the grantee shall construct, on the Premises, portions of a nine-hole expansion to its existing golf course. In the event that the grantee abandons its plans to construct the expansion on portions of the Premises, title to the Premises shall, upon the grantor's written request, revert to and re-vest in the grantor as absolutely, fully and perfectly as if this deed had never been made.

IN WITNESS WHEREOF, the said grantor, LAKEHEAD PIPE LINE COMPANY, INC. has caused these presents to be signed by Benny J. Phillips, its Executive Vice President and Chief Operating Officer, and countersigned by J. E. Staudohar, its Secretary, at Superior, Wisconsin, and its corporate seal to be hereunto affixed, this 12th day of SEPTEMBER, A. D. 1957.

Signed and Sealed In Presence of: LAKEHEAD PIPE LINE COMPANY, INC.

By: [Signature] Benny J. Phillips, Executive Vice President and Chief Operating Officer. Countersigned: [Signature] J. E. Staudohar, Secretary. 622951

OFFICE OF REGISTER OF DEEDS DOUGLAS COUNTY WISCONSIN. Received for record SEP 22 1957. Fee \$ 154.20

489-644

ACKNOWLEDGEMENT

STATE OF WISCONSIN) COUNTY OF DOUGLAS)

Personally came before me, this 12th day of September, A. D. 1957, Benny J. Phillips, Executive Vice President and Chief Operating Officer and J. E. Staudohar, Secretary of Lakehead Pipe Line Company, Inc., a Delaware Corporation, to me known to be the person who executed the foregoing instrument, and to me known to be such Executive Vice President and Chief Operating Officer and Secretary of said Corporation, and acknowledged that they executed the foregoing instrument as such officers as the deed of said Corporation, by its authority.

[Signature] Notary Public, Douglas County, WI. My Commission Expires: [Date]

This instrument drafted by: O. W. Maxx, 119 North 25th Street East Superior, WI 54880

No. _____ Deed Record, Vol. 220, Douglas County, Wisconsin

State of Wisconsin }
 County of Douglas } ss.

Personally came before me this 13 day of January, 1950, the above named R.E. McKeague, to me known to be the person who executed the foregoing instrument and acknowledged the same.

George D. Flynn
 George D. Flynn

George D. Flynn
 Notary Public-Seal
 Douglas County
 Wis.

Notary Public, Douglas County, Wisc.
 My Commission expires: October 22, 1950.

39976E

(Quitclaim Deed)

City of Superior
 to
 Interstate Oil Pipe Line
 Company

(Filed for record January, 13, 1950 at 3.00 o'clock P.M.
 Vern Wright, Register of Deeds.)

THIS INSTRUMENT, Made by the CITY OF SUPERIOR, a municipal body corporate in Douglas County, Wisconsin, hereby quit-claims to the INTERSTATE OIL PIPE LINE COMPANY, a Delaware corporation, duly authorized to do business in the State of Wisconsin, Grantee, for the sum of Five Hundred Dollars (\$500) and other valuable considerations the following tracts of land in Douglas County, State of Wisconsin, to-wit:

- Southwest 1/4 ----- Block--16
- Northwest 1/4 ----- Block--16
- West 3/8 of Southeast 1/4 ----- Block--18
- All of ----- Block--18
- All of ----- Block--20
- East 1/2 of the Northeast 1/4 ----- Block--22
- Southeast 1/4 ----- Block--22
- South 1/2 ----- Block--24
- East 1/2 ----- Block--26
- All of ----- Block--28
- All of ----- Block--30

all on West Twenty-third Street

Block--13

All of -----
 subject to the easement granted the
 Northern Pacific Railroad Co. for a
 right of way for its railroad on Newton Ave.

Northwest 1/4 ----- Block--14

South 1/2 ----- Block--14

Northeast 1/4 ----- Block--14

subject to the easement granted the
 Northern Pacific Railroad Co. for a
 right of way for its railroad on Newton Ave.

North 1/2 ----- Block--15

All of ----- Block--16

All of ----- Block--17

All of ----- Block--18

All of ----- Block--19

All of ----- Block--20

All of ----- Block--21

West 1/2 ----- Block--22

East 1/2 ----- Block--22

Northeast 1/4 ----- Block--23

Northwest 1/4 ----- Block--23

All of -----Fr. Block--3
 All of -----Fr. Block--10
 All on East Twenty-fourth Street
 All of -----Fr. Block--5
 All of -----Block--6
 All of -----Block--7
 All of -----Block--8
 all on East Twenty-fifth Street;
 all the foregoing in the Townsite of Superior;

Lots 33,37,39,41,43,45,47,49,51,
 57 and 59 on East Twenty-second Street

Lots 34,36,38,40,42,44,46,48,50,
 52,54,56,58,60,62 and 64 on East Twenty-third Street

All in Sub-division of Block 4, East Twenty-third Street .

Lots,330,332,334,336,338,340,354,356,
 358,360,362,364,366,368,370,372,374,
 376,378,380,382 and 384 West Twenty-third Street

Lots 337,339 and 341, West Twenty-fourth Street,
 all in Bay Front Division

Lots 65,67,69,71,73,75,77,79,81,83,85,
 87,89,91,93 and 95, on East Twenty-fourth Street,

All in Parkdale Addition to Superior, being a Sub-Division
 of Block 6, East Twenty-fifth Street.

according to the recorded plat or plats thereof on file and
 in the office of the Register of Deeds in and for said
 Douglas County, Wisconsin.

A parcel of land described as follows:

Beginning at an iron stake on the $\frac{1}{4}$ Section line between
 the Southeast $\frac{1}{4}$ and Southwest $\frac{1}{4}$ of Section 36-49-14 and at
 a distance 110.97 ft. North of the $\frac{1}{4}$ stake of the South line
 or boundary of Section 36; thence running Ely. at a right
 angle with said $\frac{1}{4}$ Section line a distance of 660 ft. to
 an iron stake; thence running Nly at a right angle with
 the last described line a distance of 1885.08 ft. to an
 iron stake; thence running Wly at a right angle with the
 said last described line a distance of 1320 ft. to an iron
 stake; thence running Sly at a right angle with said last
 described line a distance of 1320 ft. to an iron stake;
 thence running Ely at a right angle with said last described
 line a distance of 660 ft. to said $\frac{1}{4}$ Section Line between
 the Southeast $\frac{1}{4}$ and Southwest $\frac{1}{4}$ of said Section 36, thence
 running Sly on said $\frac{1}{4}$ section line 565.08 ft. to beginning,
 except road, in Section 36, Township 49, Range 14.

Gov't lots 1 & S $\frac{1}{2}$ Sec. 36-49-14 saving and excepting there-
 from a piece or parcel of land allotted to M & B to J.W.
 Martin and also excepting a strip of land 400 ft. wide
 through the NW $\frac{1}{4}$ SW $\frac{1}{4}$ lying SELY of and adjacent to the
 present N.P.Ry. Co's R/W and a triangular piece lying
 NWly of N.P.Ry. R/W 85D96 & 109D526 260.44A; and further
 excepting that portion of the SW $\frac{1}{4}$ of Section 36, Township
 49, R.14, described as follows: a strip of land 300 feet in
 width North and South from the South line of said Section
 and further extending from the West line to the East line
 of said SW $\frac{1}{4}$.

IN WITNESS WHEREOF, THE said grantor has hereunto set its hand and seal this 13
 day of January, 1950.

In the Presence of _____
 Cecile Halsel & _____

CITY OF SUPERIOR

A Municipal body corporate in

Appendix B

Boring Logs/Monitoring Well Forms/Development Forms (Wells
installed in 2015)

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

| | | | | | |
|--|--|---|--|---|--|
| Facility/Project Name Enbridge Groundwater Monitoring Program | | License/Permit/Monitoring Number Enbridge Superior Terminal | | Boring Number MW-22B | |
| Boring Drilled By: Name of crew chief (first, last) and Firm Randy Ochs Coleman Engineering | | Date Drilling Started 10/21/2015 | | Date Drilling Completed 10/21/2015 | |
| WI Unique Well No. | | DNR Well ID No. | | Common Well Name MW-22B | |
| Final Static Water Level 15.0 | | Surface Elevation 655.5 Feet | | Borehole Diameter 8.0 inches | |
| Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> State Plane N, E S/C/N | | Lat 46° 41' 0.6" | | Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W | |
| NW 1/4 of SW 1/4 of Section 31, T 49 N, R 14 W | | Long -92° 3' 11.3" | | Feet <input type="checkbox"/> S Feet <input type="checkbox"/> W | |
| Facility ID | | County Douglas | | County Code 16 | |
| | | | | Civil Town/City/ or Village Superior | |

| Sample Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth In Feet | Soil/Rock Description And Geologic Origin For Each Major Unit | U S C S | Graphic Log | Well Diagram | PID (ppm) | Soil Properties | | | | | RQD/ Comments | |
|------------------------|------------------------------|------------------|---------------|--|---------|-------------|--------------|-----------|----------------------|------------------|---------|-------|------------------|---------------|--|
| | | | | | | | | | Compressive Strength | Moisture Content | G/S/F % | Color | Plasticity Index | | |
| 1 SS | 24 9.6 | 1 | 5 | Silty gravel; large angular cobbles and class 5 material present. | GM | | | | | | | | | | |
| 2 SS | 24 14.4 | 2 2 2 | 10 | Lean clay; medium stiff; reddish brown to brown; moist to wet; organics (wood) present; (fill). | | | | 0.4 | 0.75 | | | | | | |
| 3 SS | 24 10.8 | 1 2 3 3 | 15 | Wood and plastic sheeting present 16-17'. | CL | | | 1.1 | | | | | | | |
| 4 SS | 24 15.6 | 3 9 6 3 | 20 | Wood; yellowish brown; wet 20-22'. | | | | 1.2 | | | | | | | |
| 5 SS | 24 24 | 1 1 | 25 | Organic silt with wood (possible peat fill); very soft; dark brown; wet; fibrous woody organics present. | OL | | | 1.1 | 0.25 | | | | | | |
| 6 SS | 24 12 | 1 3 4 3 | 30 | Fat clay; reddish brown; moist; trace coarse-grained sand; medium stiff. | CH | | | 1.0 | 1.25 | | | | | | |
| 7 SS | 24 22.8 | 2 2 3 6 | 35 | | | | | 0.8 | 1 | | | | | | |

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

| | | |
|---------------|-------------------------------------|--------------|
| Signature | Firm Barr Engineering Co. | Tel: Fax: |
|---------------|-------------------------------------|--------------|

Boring Number **MW-22B**

Use only as an attachment to Form 4400-122.

Page **2** of **2**

| Sample | | Blow Counts | Depth In Feet | Soil/Rock Description And Geologic Origin For Each Major Unit | U S C S | Graphic Log | Well Diagram | PID (ppm) | Soil Properties | | | | | RQD/ Comments | | | | | | | |
|--------------------|---------------------------------|--------------------|---------------|--|---------|----------------|-----------------|-----------|-------------------------|---------------------|---------|-------|---------------------|------------------|-----|---|--|--|--|--|--|
| Number and Type | Length Att. & Recovered (in) | | | | | | | | Compressive Strength | Moisture Content | G/S/F % | Color | Plasticity Index | | | | | | | | |
| 8 SS | 24 24 | 2 2 3 4 | | Fat clay; reddish brown; moist; trace coarse-grained sand; medium stiff. <i>(continued)</i> | | | | 0.8 | 1.25 | | | | | | | | | | | | |
| 9 SS | 24 24 | WOH 2 3 4 | 45 | | | | | | CH | | | 0.8 | 1 | | | | | | | | |
| 10 SS | 24 3.6 | 3 3 6 7 | 50 | | | | | | | | | | | | 0.7 | | | | | | |
| 11 SS | 24 24 | 2 2 4 4 | 55 | | | | | | | | | | | | | Silt lamination at 55.4'. Medium-grained sand lamination at 56.1'. End of Boring at 57 feet below ground surface. | | | | | |

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

| | | | | | |
|--|--|---|--|---|--|
| Facility/Project Name Enbridge Groundwater Monitoring Program | | License/Permit/Monitoring Number Enbridge Superior Terminal | | Boring Number MW-23B | |
| Boring Drilled By: Name of crew chief (first, last) and Firm Randy Ochs Coleman Engineering | | Date Drilling Started 10/20/2015 | | Date Drilling Completed 10/20/2015 | |
| WI Unique Well No. | | DNR Well ID No. | | Common Well Name MW-23B | |
| Final Static Water Level | | Surface Elevation 643.5 Feet | | Borehole Diameter 8.0 inches | |
| Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> State Plane SE 1/4 of NW 1/4 of Section 31, T 49 N, R 14 W | | Lat 46° 41' 11.7" Long -92° 3' 2.5" | | Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W | |
| Facility ID | | County Douglas | | County Code 16 | |
| | | | | Civil Town/City/ or Village Superior | |

| Sample Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth In Feet | Soil/Rock Description And Geologic Origin For Each Major Unit | U S C S | Graphic Log | Well Diagram | PID (ppm) | Soil Properties | | | | | RQD/ Comments | | |
|------------------------|------------------------------|-------------|---------------|--|---------|-------------|--------------|-----------|----------------------|------------------|---------|-------|------------------|---------------|--|--|
| | | | | | | | | | Compressive Strength | Moisture Content | G/S/F % | Color | Plasticity Index | | | |
| 1 SS | 24 7.2 | 1 | 1 | Fat clay; soft; moist; reddish brown. Gray mottling and trace coarse sand 5-57'. Stiff 5-10'. Medium siff 10-57'. | CH | | | 2.7 | 0.75 | | | | | | | |
| | | 1 | 2 | | | | | | | | | | | | | |
| | | 1 | 3 | | | | | | | | | | | | | |
| | | 2 | 5 | | | | | | | | | 0.8 | 2.75 | | | |
| 2 SS | 24 16.8 | 2 | 4 | | | | | | | | | | | | | |
| | | 4 | 6 | | | | | | | | | | | | | |
| | | 6 | 8 | | | | | | | | | | | | | |
| | | 8 | 10 | | | | | | | | | | | | | |
| 3 SS | 24 18 | 2 | 10 | | | | | 1.1 | 2.25 | | | | | | | |
| | | 3 | 11 | | | | | | | | | | | | | |
| | | 4 | 12 | | | | | | | | | | | | | |
| | | 6 | 14 | | | | | | | | | | | | | |
| 4 SS | 24 21.6 | 2 | 15 | | | | | 1.1 | 1.5 | | | | | | | |
| | | 4 | 17 | | | | | | | | | | | | | |
| | | 2 | 18 | | | | | | | | | | | | | |
| | | 4 | 20 | | | | | | | | | | | | | |
| 5 SS | 24 19.2 | 2 | 20 | | | | | 1.0 | 1.75 | | | | | | | |
| | | 3 | 21 | | | | | | | | | | | | | |
| | | 4 | 22 | | | | | | | | | | | | | |
| | | 4 | 24 | | | | | | | | | | | | | |
| 6 SS | 24 22.8 | 1 | 25 | | | | | 0.9 | 1.75 | | | | | | | |
| | | 2 | 26 | | | | | | | | | | | | | |
| | | 4 | 28 | | | | | | | | | | | | | |
| | | 6 | 30 | | | | | | | | | | | | | |
| 7 SS | 24 22.8 | 1 | 30 | | | | | 1.1 | 1.25 | | | | | | | |
| | | 1 | 31 | | | | | | | | | | | | | |
| | | 4 | 33 | | | | | | | | | | | | | |
| | | 4 | 35 | | | | | | | | | | | | | |
| 8 SS | 24 24 | 1 | 35 | | | | | 1.0 | 1.25 | | | | | | | |
| | | 3 | 37 | | | | | | | | | | | | | |
| | | 4 | 38 | | | | | | | | | | | | | |
| | | 3 | 40 | | | | | | | | | | | | | |

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

| | | |
|---------------|-------------------------------------|--------------|
| Signature | Firm Barr Engineering Co. | Tel: Fax: |
|---------------|-------------------------------------|--------------|


Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

| | | | | | |
|--|--|---|--|---|--|
| Facility/Project Name Enbridge Groundwater Monitoring Program | | License/Permit/Monitoring Number Enbridge Superior Terminal | | Boring Number MW-24A | |
| Boring Drilled By: Name of crew chief (first, last) and Firm Randy Ochs Coleman Engineering | | Date Drilling Started 10/22/2015 | | Date Drilling Completed 10/22/2015 | |
| WI Unique Well No. | | DNR Well ID No. | | Common Well Name MW-24A | |
| Final Static Water Level | | Surface Elevation 649.1 Feet | | Borehole Diameter 8.0 inches | |
| Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> | | State Plane N, E S/C/N | | Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W | |
| NE 1/4 of NE 1/4 of Section 36, T 49 N, R 14 W | | Lat 46° 41' 25.3" | | Long -92° 3' 22.4" | |

| | | | |
|-------------|--------------------------|--------------------------|--|
| Facility ID | County Douglas | County Code 16 | Civil Town/City/ or Village Superior |
|-------------|--------------------------|--------------------------|--|

| Sample Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth In Feet | Soil/Rock Description And Geologic Origin For Each Major Unit | U S C S | Graphic Log | Well Diagram | PID (ppm) | Soil Properties | | | | | RQD/ Comments | |
|------------------------|------------------------------|-----------------------|---------------|--|---------|-------------|--------------|-----------|----------------------|------------------|---------|-------|------------------|---------------|--|
| | | | | | | | | | Compressive Strength | Moisture Content | G/S/F % | Color | Plasticity Index | | |
| 1 SS | 24 10.8 | 1 2 2 4 | | Lean clay; reddish brown; moist; soft; (fill). | | | | 0.4 | 1.5 | | | | | | |
| 2 SS | 24 9.6 | 1 3 3 3 | | Organics present; medium stiff 0-4'. | | | | 0.4 | 1.75 | | | | | | |
| 3 SH | 24 16.8 | | 5 | Shelby tube sample collected from 4-6' and from 6-8'. | CL | | | | | | | | | | |
| 4 SH | 24 18 | | | | | | | | | | | | | | |
| 5 SS | 24 20.4 | 2 3 5 5 | 10 | Fat clay; reddish brown; moist; trace coarse sand; medium stiff 8-12'. | | | | 0.4 | 2.75 | | | | | | |
| 6 SS | 24 22.8 | 2 2 3 3 5 | | | | | | 0.4 | 1.75 | | | | | | |
| 7 SS | 24 24 | 1 2 2 5 | | Soft 12-14'. | CH | | | 0.5 | 1 | | | | | | |
| 8 SS | 24 24 | 1 3 3 3 4 | 15 | Medium stiff 14-18'. | | | | 0.4 | 1.25 | | | | | | |
| 9 SS | 24 24 | 1 2 3 4 | | | | | | 0.4 | 1 | | | | | | |
| | | | | End of boring 18 feet below ground surface. | | | | | | | | | | | |

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

| | | |
|--|-------------------------------------|--------------|
| Signature  | Firm Barr Engineering Co. | Tel: Fax: |
|--|-------------------------------------|--------------|

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

| | | | | | |
|--|--|---|--|---|--|
| Facility/Project Name Enbridge Groundwater Monitoring Program | | License/Permit/Monitoring Number Enbridge Superior Terminal | | Boring Number MW-24B | |
| Boring Drilled By: Name of crew chief (first, last) and Firm Randy Ochs Coleman Engineering | | Date Drilling Started 10/26/2015 | | Date Drilling Completed 10/26/2015 | |
| WI Unique Well No. | | DNR Well ID No. | | Common Well Name MW-24B | |
| Final Static Water Level | | Surface Elevation 648.9 Feet | | Borehole Diameter 8.0 inches | |
| Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> | | State Plane N, E S/C/N | | Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W | |
| NE 1/4 of NE 1/4 of Section 36, T 49 N, R 14 W | | Lat 46° 41' 25.4" | | Long -92° 3' 22.3" | |
| Facility ID | | County Douglas | | County Code 16 | |
| | | | | Civil Town/City/ or Village Superior | |

| Sample Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth In Feet | Soil/Rock Description And Geologic Origin For Each Major Unit | U S C S | Graphic Log | Well Diagram | PID (ppm) | Soil Properties | | | | | RQD/ Comments |
|------------------------|------------------------------|-------------|---------------|--|----------|-------------|--------------|-----------|----------------------|------------------|---------|-------|------------------|---------------|
| | | | | | | | | | Compressive Strength | Moisture Content | G/S/F % | Color | Plasticity Index | |
| 1 SS | 24 12 | 1 | 0-5 | Clay; reddish brown; moist; medium stiff; organic soil inclusions; (fill). Organic soil; black. Fat clay; red brown; moist; trace coarse sand. | CL OL | | | 0.2 | 0.5 | | | | | |
| | | 2 | | | | | | | | | | | | |
| | | 3 | | | | | | | | | | | | |
| 2 SS | 24 20.4 | 2 | 5-10 | Silt laminations 0-6'. Gray mottling 5-15'. | CH | | | 0.4 | 1.75 | | | | | |
| | | 2 | | | | | | | | | | | | |
| | | 3 | | | | | | | | | | | | |
| | | 4 | | | | | | | | | | | | |
| 3 SS | 24 18 | 1 | 10-15 | Soft to very soft 10-40'. | CH | | | 0.8 | 1.5 | | | | | |
| | | 1 | | | | | | | | | | | | |
| | | 2 | | | | | | | | | | | | |
| 4 SS | 24 24 | 1 | 15-20 | | CH | | | 0.9 | 1.25 | | | | | |
| | | 2 | | | | | | | | | | | | |
| | | 3 | | | | | | | | | | | | |
| 6 SS | 24 24 | 1 | 20-25 | Trace gravel 25-45'. | CH | | | 0.8 | 1 | | | | | |
| | | 2 | | | | | | | | | | | | |
| | | 3 | | | | | | | | | | | | |
| 7 SS | 24 24 | 1 | 25-30 | | CH | | | 0.9 | 1.25 | | | | | |
| | | 1 | | | | | | | | | | | | |
| | | 2 | | | | | | | | | | | | |
| 8 SS | 24 21.6 | 1 | 30-35 | | CH | | | 0.8 | 0.75 | | | | | |
| | | 1 | | | | | | | | | | | | |
| | | 2 | | | | | | | | | | | | |
| 9 SH | 24 25.2 | 4 | 35-40 | Shelby tube sample collected from 38-40' and from 40-42'. | CH | | | 0.0 | 0.75 | | | | | |
| | | 1 | | | | | | | | | | | | |

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

| | | |
|---------------|-------------------------------------|--------------|
| Signature | Firm Barr Engineering Co. | Tel: Fax: |
|---------------|-------------------------------------|--------------|

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

| | | | | | |
|--|--|---|--|---|--|
| Facility/Project Name Enbridge Groundwater Monitoring Program | | License/Permit/Monitoring Number Enbridge Superior Terminal | | Boring Number MW-25A | |
| Boring Drilled By: Name of crew chief (first, last) and Firm Randy Ochs Coleman Engineering | | Date Drilling Started 10/28/2015 | | Date Drilling Completed 10/28/2015 | |
| WI Unique Well No. | | DNR Well ID No. | | Common Well Name MW-25A | |
| | | Final Static Water Level | | Surface Elevation 635.9 Feet | |
| | | | | Borehole Diameter 8.0 inches | |
| Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> | | State Plane N, E S/C/N | | Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W | |
| NE 1/4 of SW 1/4 of Section 30, T 49 N, R 14 W | | Lat 46° 41' 40.2" Long -92° 3' 45.7" | | | |
| Facility ID | | County Douglas | | County Code 16 | |
| | | | | Civil Town/City/ or Village Superior | |

| Sample Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth In Feet | Soil/Rock Description And Geologic Origin For Each Major Unit | U S C S | Graphic Log | Well Diagram | PID (ppm) | Soil Properties | | | | | RQD/ Comments | |
|------------------------|------------------------------|-----------------------|---------------|--|---------|-------------|--------------|-----------|----------------------|------------------|---------|-------|------------------|---------------|--|
| | | | | | | | | | Compressive Strength | Moisture Content | G/S/F % | Color | Plasticity Index | | |
| 1 SS | 24 4.8 | WOH WOH WOH | | Clay; brown to reddish brown; moist; roots present; (fill). Trace gravel 0-12'. | CL | | | 0.2 | 1 | | | | | | |
| 2 SS | 24 0 | 2 1 2 3 3 | | Fat clay; reddish brown; moist. 1-2 mm thick silt lenses 3-16'. | | | | 0.3 | 2 | | | | | | |
| 3 SH | 24 15.6 | | 5 | Shelby tube sample collected from 4-6' and from 6-8'. | | | | 1.75 | | | | | | | |
| 4 SH | 24 28.8 | | | | | | | 1.25 | | | | | | | |
| 4 SS | 24 24 | 1 1 2 2 | | | CH | | | 0.3 | 1.25 | | | | | | |
| 5 SS | 24 24 | 1 3 3 3 | 10 | | | | | 0.3 | 1.25 | | | | | | |
| 6 SS | 24 24 | 1 1 3 3 | | | | | | 1 | | | | | | | |
| 7 SS | 24 24 | 1 1 2 3 | 15 | | | | | 0.4 | | | | | | | |
| | | | | End of boring 17 feet below ground surface. | | | | | | | | | | | |

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

| | | |
|------------------------------------|-------------------------------------|--------------|
| Signature <i>Noelle Scelima</i> | Firm Barr Engineering Co. | Tel: Fax: |
|------------------------------------|-------------------------------------|--------------|

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

| | | | | | |
|--|--|---|--|---|--|
| Facility/Project Name Enbridge Groundwater Monitoring Program | | License/Permit/Monitoring Number Enbridge Superior Terminal | | Boring Number MW-25B | |
| Boring Drilled By: Name of crew chief (first, last) and Firm Randy Ochs Coleman Engineering | | Date Drilling Started 10/29/2015 | | Date Drilling Completed 10/29/2015 | |
| WI Unique Well No. | | DNR Well ID No. | | Common Well Name MW-25B | |
| Final Static Water Level | | Surface Elevation 635.9 Feet | | Borehole Diameter 8.0 inches | |
| Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> | | State Plane N, E S/C/N | | Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W | |
| NE 1/4 of SW 1/4 of Section 30, T 49 N, R 14 W | | Lat 46° 41' 40.2" | | Long -92° 3' 45.7" | |

| | | | |
|-------------|--------------------------|--------------------------|--|
| Facility ID | County Douglas | County Code 16 | Civil Town/City/ or Village Superior |
|-------------|--------------------------|--------------------------|--|

| Sample Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth In Feet | Soil/Rock Description And Geologic Origin For Each Major Unit | U S C S | Graphic Log | Well Diagram | PID (ppm) | Soil Properties | | | | | RQD/ Comments | |
|------------------------|------------------------------|------------------|---------------|--|---------|-------------|--------------|-----------|----------------------|------------------|---------|-------|------------------|---------------|--|
| | | | | | | | | | Compressive Strength | Moisture Content | G/S/F % | Color | Plasticity Index | | |
| 1 SS | 24 9.6 | 1 1 1 2 | 0-5 | Lean clay; reddish brown to brown; moist; very soft; organics present. | CL | | | 1.3 | 0.25 | | | | | | |
| 2 SS | 24 18 | 2 2 3 4 | 5-10 | Fat clay; reddish brown; moist; medium stiff. | | | | 0.5 | 1.25 | | | | | | |
| 3 SS | 24 21.6 | 1 1 3 3 | 10-15 | Trace sand 10-15'. | | | | 0.6 | 1.25 | | | | | | |
| 4 SS | 24 19.2 | 1 1 2 2 | 15-20 | Trace coarse sand and gravel 15-47'. Soft to very soft 15-47'. | | | | 0.9 | 0.75 | | | | | | |
| 5 SS | 24 22.8 | 1 1 1 2 | 20-25 | | CH | | | 1.6 | 0.5 | | | | | | |
| 6 SS | 24 22.8 | 1 1 1 2 | 25-30 | | | | | 1.7 | 0.25 | | | | | | |
| 7 SS | 24 24 | 1 1 2 2 | 30-35 | | | | | 1.8 | 0.25 | | | | | | |
| 8 SS | 24 24 | 1 2 2 2 | 35-40 | | | | | 1.2 | 0.5 | | | | | | |
| 9 SH | 24 27.6 | 2 | 40 | Shelby tube sample collected from 38-40' and from 40-42'. | | | | 1.25 | | | | | | | |

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

| | | |
|---------------|-------------------------------------|--------------|
| Signature | Firm Barr Engineering Co. | Tel: Fax: |
|---------------|-------------------------------------|--------------|

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

| | | | | | |
|--|--|---|--|---|--|
| Facility/Project Name Enbridge Groundwater Monitoring Program | | License/Permit/Monitoring Number Enbridge Superior Terminal | | Boring Number MW-26 | |
| Boring Drilled By: Name of crew chief (first, last) and Firm Randy Ochs Coleman Engineering | | Date Drilling Started 10/28/2015 | | Date Drilling Completed 10/28/2015 | |
| WI Unique Well No. | | DNR Well ID No. | | Common Well Name MW-26 | |
| Final Static Water Level | | Surface Elevation 643.4 Feet | | Borehole Diameter 8.0 inches | |
| Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> | | State Plane N, E S/C/N | | Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W | |
| NW 1/4 of SW 1/4 of Section 30, T 49 N, R 14 W | | Lat 46° 41' 48.6" | | Long -92° 3' 3.9" | |
| Facility ID | | County Douglas | | County Code 16 | |
| | | | | Civil Town/City/ or Village Superior | |

| Sample Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth In Feet | Soil/Rock Description And Geologic Origin For Each Major Unit | U S C S | Graphic Log | Well Diagram | PID (ppm) | Soil Properties | | | | | RQD/ Comments |
|------------------------|------------------------------|------------------------|---------------|---|---------|-------------|--------------|-----------|----------------------|------------------|---------|-------|------------------|---------------|
| | | | | | | | | | Compressive Strength | Moisture Content | G/S/F % | Color | Plasticity Index | |
| 1 SS | 24 8.4 | 1 2 3 2 | | Fat clay; reddish brown; moist; trace gravel; (fill 0-6). | | | | 0.3 | 0.75 | | | | | |
| 2 SS | 24 3.6 | WOH WOH WOH 1 | | | | | 0.5 | 0.75 | | | | | | |
| 3 SS | 24 12 | WOH WOH 2 2 | 5 | | | | 0.4 | 0.75 | | | | | | |
| 4 SS | 24 21.6 | 2 2 2 5 | | | | | 0.3 | 2 | | | | | | |
| 5 SS | 24 21.6 | 1 2 3 3 | 10 | Grass and roots 8-10'. Gray mottling 8-12'. | CH | | 0.4 | 1.75 | | | | | | |
| 6 SS | 24 24 | 2 2 3 3 | | | | | 0.4 | 1.75 | | | | | | |
| 7 SS | 24 24 | 1 1 2 3 | | | | | 0.3 | 1.25 | | | | | | |
| 8 SS | 24 24 | 1 1 2 3 | 15 | 1-2 mm thick silt lenses 14-16'. | | | 0.3 | 1 | | | | | | |
| | | | | End of boring 17 feet below ground surface. | | | | | | | | | | |

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


| | | |
|------------------------------------|-------------------------------------|--------------|
| Signature <i>Noelle Scelima</i> | Firm Barr Engineering Co. | Tel: Fax: |
|------------------------------------|-------------------------------------|--------------|

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

| | | | | | |
|--|--|---|--|---|--|
| Facility/Project Name Enbridge Groundwater Monitoring Program | | License/Permit/Monitoring Number Enbridge Superior Terminal | | Boring Number MW-5B | |
| Boring Drilled By: Name of crew chief (first, last) and Firm Randy Ochs Coleman Engineering | | Date Drilling Started 11/2/2015 | | Date Drilling Completed 11/3/2015 | |
| WI Unique Well No. | | DNR Well ID No. | | Common Well Name MW-5B | |
| Final Static Water Level | | Surface Elevation 640.9 Feet | | Borehole Diameter 8.0 inches | |
| Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> State Plane SE 1/4 of NW 1/4 of Section 31, T 49 N, R 14 W | | Lat 46° 41' 17.4" Long -92° 3' 3.3" | | Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W | |
| Facility ID | | County Douglas | | County Code 16 | |
| | | | | Civil Town/City/ or Village Superior | |

| Sample Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth In Feet | Soil/Rock Description And Geologic Origin For Each Major Unit | U S C S | Graphic Log | Well Diagram | PID (ppm) | Soil Properties | | | | | RQD/ Comments | |
|------------------------|------------------------------|------------------|---------------|--|---------|-------------|--------------|-----------|----------------------|------------------|---------|-------|------------------|---------------|--|
| | | | | | | | | | Compressive Strength | Moisture Content | G/S/F % | Color | Plasticity Index | | |
| 1 SS | 24 10.8 | 1 1 2 2 | | Lean clay; reddish brown to dark brown; moist; organics present; very soft; medium stiff; (fill). | | | | 0.5 | 0.75 | | | | | | |
| 2 SS | 24 14.4 | 1 2 4 4 | 5 | | CL | | | 0.4 | 1.5 | | | | | | |
| 3 SS | 24 15.6 | 1 2 5 5 | 10 | Fat clay; reddish brown; moist 10-57'. Gray mottling and organics-roots 10-15'. Medium stiffness 10-20'. | | | | 0.4 | 1.5 | | | | | | |
| 4 SS | 24 16.8 | 1 2 4 4 | 15 | | | | | 0.4 | 1 | | | | | | |
| 5 SS | 24 20.4 | 1 1 3 3 | 20 | Gray mottling and trace coarse sand 20-55'. Soft 20-40'. | | | | 0.4 | 0.75 | | | | | | |
| 6 SS | 24 24 | 1 1 4 4 | 25 | | CH | | | 0.3 | 0.75 | | | | | | |
| 7 SS | 24 24 | 1 1 2 4 | 30 | Medium stiffness 40-57'. | | | | 0.0 | 0.5 | | | | | | |
| 8 SS | 24 24 | 1 2 2 4 | 35 | | | | | 0.0 | 0.5 | | | | | | |
| | | | 40 | | | | | | | | | | | | |

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

| | | |
|--|-------------------------------------|--------------|
| Signature  | Firm Barr Engineering Co. | Tel: Fax: |
|--|-------------------------------------|--------------|

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

| | | | | | |
|--|--|---|--|---|--|
| Facility/Project Name Enbridge Groundwater Monitoring Program | | License/Permit/Monitoring Number Enbridge Superior Terminal | | Boring Number MW-6B | |
| Boring Drilled By: Name of crew chief (first, last) and Firm Randy Ochs Coleman Engineering | | Date Drilling Started 10/27/2015 | | Date Drilling Completed 10/27/2015 | |
| WI Unique Well No. | | DNR Well ID No. | | Common Well Name MW-6B | |
| Final Static Water Level | | Surface Elevation 644.2 Feet | | Borehole Diameter 8.0 inches | |
| Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> | | State Plane N, E S/C/N | | Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W | |
| SW 1/4 of NE 1/4 of Section 36, T 49 N, R 14 W | | Lat 46° 41' 2.1" | | Long -92° 3' 42.7" | |
| Facility ID | | County Douglas | | County Code 16 | |
| | | | | Civil Town/City/ or Village Superior | |

| Sample Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth In Feet | Soil/Rock Description And Geologic Origin For Each Major Unit | U S C S | Graphic Log | Well Diagram | PID (ppm) | Soil Properties | | | | | RQD/ Comments | |
|------------------------|------------------------------|--------------------|---------------|--|---------|-------------|--------------|-----------|----------------------|------------------|---------|-------|------------------|---------------|--|
| | | | | | | | | | Compressive Strength | Moisture Content | G/S/F % | Color | Plasticity Index | | |
| 1 SS | 24 9.6 | 1 2 3 4 | 0-5 | Clayey organic topsoil; brown to reddish brown; moist; roots present (fill). | OL/OH | | | 0.0 | 1.5 | | | | | | |
| 2 SS | 24 9.6 | 1 2 3 3 | 5-10 | Fat clay; reddish brown; moist; trace gravel. 1-2 mm thick gray silt lenses 5-22'. | | | | 0.0 | 1.5 | | | | | | |
| 3 SS | 24 14.4 | 1 2 3 3 | 10-15 | | | | | 0.0 | 0.75 | | | | | | |
| 4 SS | 24 20.4 | 4 2 2 4 | 15-20 | | | | | 0.0 | 1.75 | | | | | | |
| 5 SS | 24 20.4 | 5 1 2 4 | 20-25 | | CH | | | 0.0 | 1.5 | | | | | | |
| 6 SS | 24 24 | WOH 1 2 4 | 25-30 | | | | | 0.0 | 1.5 | | | | | | |
| 7 SS | 24 24 | 1 2 2 3 | 30-35 | | | | | 0.0 | 1 | | | | | | |
| 8 SS | 24 24 | 1 1 2 3 | 35-40 | Light gray mottling 35-56'. | | | | 0.0 | 0.75 | | | | | | |


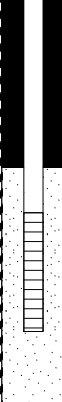

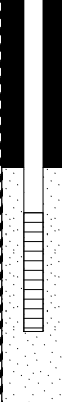

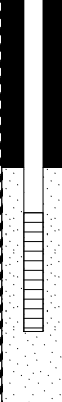

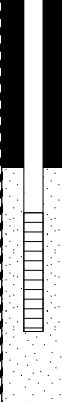
I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature *Noelle Scelima* Firm **Barr Engineering Co.** Tel:
Fax:

Boring Number **MW-6B**

Use only as an attachment to Form 4400-122.

Page **2** of **2**

| Sample | | Blow Counts | Depth In Feet | Soil/Rock Description And Geologic Origin For Each Major Unit | U S C S | Graphic Log | Well Diagram | PID (ppm) | Soil Properties | | | | | RQD/ Comments |
|--------------------|---------------------------------|--------------------|---------------|---|---------|--|---|-----------|-------------------------|---------------------|---------|-------|---------------------|------------------|
| Number and Type | Length Att. & Recovered (in) | | | | | | | | Compressive Strength | Moisture Content | G/S/F % | Color | Plasticity Index | |
| 9 SS | 24 24 | 1 1 3 3 | | Fat clay; reddish brown; moist; trace gravel. <i>(continued)</i> | |  |  | 0.0 | 1.25 | | | | | |
| 10 SS | 24 24 | WOH 1 1 3 | 45 | | CH |  |  | 0.0 | 1.25 | | | | | |
| 11 SS | 24 24 | 1 2 3 5 | 50 | Lenses of light fine clayey sand 55-56'. | |  |  | 0.0 | 1.25 | | | | | |
| 12 SS | 24 24 | 1 1 3 6 | 55 | End of boring 57 feet below ground surface. | |  |  | 0.0 | 1.75 | | | | | |

| | | |
|--|---|---|
| Facility/Project Name Enbridge Groundwater Monitoring Program | Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W. | Well Name MW-22B |
| Facility License, Permit or Monitoring No. Enbridge Superior Terminal | Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input checked="" type="checkbox"/> Lat. <u>46° 41' 0.6"</u> Long. <u>-92° 3' 11.3"</u> or | Wis. Unique Well No. _____ DNR Well Number _____ |
| Facility ID | St. Plane _____ ft. N, _____ ft. E. S / C / N | Date Well Installed 10/21/2015 |
| Type of Well Well Code 12/pz | Section Location of Waste/Source <u>NW 1/4 of SW 1/4 of Sec. 31, T. 49 N, R. 14</u> <input type="checkbox"/> E <input checked="" type="checkbox"/> W | Well Installed By: (Person's Name and Firm) Randy Ochs |
| Distance from Waste/Source ft. _____ | Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input checked="" type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known | Gov. Lot Number _____ |
| Enf. Stds. Apply <input type="checkbox"/> | | Coleman Engineering |

| | | |
|---|--|---|
| A. Protective pipe, top elevation _____ ft. MSL | | 1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| B. Well casing, top elevation <u>658.35</u> ft. MSL | | 2. Protective cover pipe: a. Inside diameter: _____ in. <u>4.0</u> b. Length: _____ ft. <u>5.0</u> c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/> _____ d. Additional protection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: <u>(3) 3" x 7' Steel Bollards</u> |
| C. Land surface elevation <u>655.5</u> ft. MSL | | 3. Surface seal: Bentonite <input checked="" type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input type="checkbox"/> _____ |
| D. Surface seal, bottom <u>650.5</u> ft. MSL or <u>5.0</u> ft. | | 4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 30 Sand <input checked="" type="checkbox"/> _____ Other <input type="checkbox"/> _____ |
| 12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input checked="" type="checkbox"/> Bedrock <input type="checkbox"/> | | |
| 13. Sieve analysis attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| 14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/> _____ | | |
| 15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99 | | |
| 16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| Describe _____ | | |
| 17. Source of water (attach analysis, if required): _____ | | |
| E. Bentonite seal, top _____ ft. MSL or _____ ft. | | 5. Annular space seal: a. Granular/Chipped Bentonite <input type="checkbox"/> 33 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35 c. <u>1</u> Lbs/gal mud weight . . . Bentonite slurry <input checked="" type="checkbox"/> 31 d. _____ % Bentonite . . . Bentonite-cement grout <input type="checkbox"/> 50 e. <u>13.4</u> Ft ³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input checked="" type="checkbox"/> 02 Gravity <input type="checkbox"/> 08 |
| F. Fine sand, top <u>609.5</u> ft. MSL or <u>46.0</u> ft. | | 6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input type="checkbox"/> 32 c. _____ Other <input type="checkbox"/> _____ |
| G. Filter pack, top <u>608.5</u> ft. MSL or <u>47.0</u> ft. | | 7. Fine sand material: Manufacturer, product name & mesh size a. <u>Red Flint, Filter Sand #15</u> b. Volume added <u>0.5</u> ft ³ |
| H. Screen joint, top <u>606.5</u> ft. MSL or <u>49.0</u> ft. | | 8. Filter pack material: Manufacturer, product name & mesh size a. <u>Red Flint, Filter Sand #40</u> b. Volume added <u>2.5</u> ft ³ |
| I. Well bottom <u>601.5</u> ft. MSL or <u>54.0</u> ft. | | 9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/> _____ |
| J. Filter pack, bottom <u>600.5</u> ft. MSL or <u>55.0</u> ft. | | 10. Screen material: <u>PVC</u> |
| K. Borehole, bottom <u>598.5</u> ft. MSL or <u>57.0</u> ft. | | a. Screen Type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/> _____ |
| L. Borehole, diameter <u>8.0</u> in. | | b. Manufacturer <u>Hole Products</u> |
| M. O.D. well casing <u>2.38</u> in. | | c. Slot size: <u>0.010</u> in. |
| N. I.D. well casing <u>2.00</u> in. | | d. Slotted length: <u>5.0</u> ft. |
| | | 11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/> _____ |

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature [Signature] Firm Barr Engineering Co. Tel: _____ Fax: _____

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

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

| | | | | | |
|--|--|---|--|---|--|
| Facility/Project Name Enbridge Groundwater Monitoring Program | | Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W. | | Well Name MW-23B | |
| Facility License, Permit or Monitoring No. Enbridge Superior Terminal | | Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input checked="" type="checkbox"/> Lat. <u>46° 41' 11.7"</u> Long. <u>-92° 3' 2.5"</u> or | | Wis. Unique Well No. _____ DNR Well Number _____ | |
| Facility ID _____ | | St. Plane _____ ft. N, _____ ft. E. S / C / N | | Date Well Installed 10/20/2015 | |
| Type of Well Well Code 12/pz | | Section Location of Waste/Source <u>SE</u> 1/4 of <u>NW</u> 1/4 of Sec. <u>31</u> , T. <u>49</u> N, R. <u>14</u> <input type="checkbox"/> E <input checked="" type="checkbox"/> W | | Well Installed By: (Person's Name and Firm) Randy Ochs | |
| Distance from Waste/Source _____ ft. | | Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input checked="" type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known | | Gov. Lot Number _____ Coleman Engineering | |

| | | |
|---|--|--|
| <p>A. Protective pipe, top elevation _____ ft. MSL</p> <p>B. Well casing, top elevation <u>646.22</u> ft. MSL</p> <p>C. Land surface elevation <u>643.5</u> ft. MSL</p> <p>D. Surface seal, bottom <u>638.5</u> ft. MSL or <u>5.0</u> ft.</p> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input checked="" type="checkbox"/> Bedrock <input type="checkbox"/></p> <p>13. Sieve analysis attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>14. Drilling method used: Rotary <input type="checkbox"/> 5 0 Hollow Stem Auger <input checked="" type="checkbox"/> 4 1 _____ Other <input type="checkbox"/></p> <p>15. Drilling fluid used: Water <input type="checkbox"/> 0 2 Air <input type="checkbox"/> 0 1 Drilling Mud <input type="checkbox"/> 0 3 None <input checked="" type="checkbox"/> 9 9</p> <p>16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Describe _____</p> <p>17. Source of water (attach analysis, if required): _____</p> </div> <p>E. Bentonite seal, top _____ ft. MSL or _____ ft.</p> <p>F. Fine sand, top <u>597.5</u> ft. MSL or <u>46.0</u> ft.</p> <p>G. Filter pack, top <u>596.5</u> ft. MSL or <u>47.0</u> ft.</p> <p>H. Screen joint, top <u>594.5</u> ft. MSL or <u>49.0</u> ft.</p> <p>I. Well bottom <u>589.5</u> ft. MSL or <u>54.0</u> ft.</p> <p>J. Filter pack, bottom <u>588.5</u> ft. MSL or <u>55.0</u> ft.</p> <p>K. Borehole, bottom <u>588.5</u> ft. MSL or <u>55.0</u> ft.</p> <p>L. Borehole, diameter <u>8.0</u> in.</p> <p>M. O.D. well casing <u>2.38</u> in.</p> <p>N. I.D. well casing <u>2.00</u> in.</p> | | <p>1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>2. Protective cover pipe: a. Inside diameter: <u>4.0</u> in. b. Length: <u>5.0</u> ft. c. Material: Steel <input checked="" type="checkbox"/> 0 4 Other <input type="checkbox"/> d. Additional protection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: <u>(3) 3" x 7' Steel Bollards</u></p> <p>3. Surface seal: Bentonite <input checked="" type="checkbox"/> 3 0 Concrete <input type="checkbox"/> 0 1 Other <input type="checkbox"/></p> <p>4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 3 0 Sand <input checked="" type="checkbox"/></p> <p>5. Annular space seal: a. Granular/Chipped Bentonite <input type="checkbox"/> 3 3 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 3 5 c. <u>1.2</u> Lbs/gal mud weight . . . Bentonite slurry <input checked="" type="checkbox"/> 3 1 d. _____ % Bentonite . . . Bentonite-cement grout <input type="checkbox"/> 5 0 e. <u>14.7</u> Ft³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 0 1 Tremie pumped <input checked="" type="checkbox"/> 0 2 Gravity <input type="checkbox"/> 0 8</p> <p>6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 3 3 b. <input type="checkbox"/> 1/4 in. <input type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input type="checkbox"/> 3 2 c. _____ Other <input type="checkbox"/></p> <p>7. Fine sand material: Manufacturer, product name & mesh size a. <u>Red Flint, Filter Sand #15</u> b. Volume added <u>0.4</u> ft³</p> <p>8. Filter pack material: Manufacturer, product name & mesh size a. <u>Red Flint, Filter Sand #40</u> b. Volume added <u>2.8</u> ft³</p> <p>9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 2 3 Flush threaded PVC schedule 80 <input type="checkbox"/> 2 4 _____ Other <input type="checkbox"/></p> <p>10. Screen material: <u>PVC</u> a. Screen Type: Factory cut <input checked="" type="checkbox"/> 1 1 Continuous slot <input type="checkbox"/> 0 1 _____ Other <input type="checkbox"/> b. Manufacturer <u>Hole Products</u> c. Slot size: <u>0.010</u> in. d. Slotted length: <u>5.0</u> ft.</p> <p>11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 1 4 _____ Other <input type="checkbox"/></p> |
|---|--|--|

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

Signature [Signature] Firm Barr Engineering Co. Tel: _____ Fax: _____

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

| | | | | | |
|--|--|---|--|---|--|
| Facility/Project Name Enbridge Groundwater Monitoring Program | | Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W. | | Well Name MW-24A | |
| Facility License, Permit or Monitoring No. Enbridge Superior Terminal | | Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input checked="" type="checkbox"/> Lat. <u>46° 41' 25.3"</u> Long. <u>-92° 3' 22.4"</u> or | | Wis. Unique Well No. _____ DNR Well Number _____ | |
| Facility ID _____ | | St. Plane _____ ft. N, _____ ft. E. S / C / N | | Date Well Installed 10/22/2015 | |
| Type of Well Well Code 11/mw | | Section Location of Waste/Source <u>NE</u> 1/4 of <u>NE</u> 1/4 of Sec. <u>36</u> , T. <u>49</u> N, R. <u>14</u> <input type="checkbox"/> E <input checked="" type="checkbox"/> W | | Well Installed By: (Person's Name and Firm) Randy Ochs | |
| Distance from Waste/Source _____ ft. | | Location of Well Relative to Waste/Source u <input checked="" type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known | | Gov. Lot Number _____ | |
| Enf. Stds. Apply <input type="checkbox"/> | | | | Coleman Engineering | |

| | | |
|--|--|---|
| <p>A. Protective pipe, top elevation _____ ft. MSL</p> <p>B. Well casing, top elevation <u>651.69</u> ft. MSL</p> <p>C. Land surface elevation <u>649.1</u> ft. MSL</p> <p>D. Surface seal, bottom <u>645.1</u> ft. MSL or <u>4.0</u> ft.</p> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input checked="" type="checkbox"/> Bedrock <input type="checkbox"/></p> <p>13. Sieve analysis attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>14. Drilling method used: Rotary <input type="checkbox"/> 5 0 Hollow Stem Auger <input checked="" type="checkbox"/> 4 1 _____ Other <input type="checkbox"/></p> <p>15. Drilling fluid used: Water <input type="checkbox"/> 0 2 Air <input type="checkbox"/> 0 1 Drilling Mud <input type="checkbox"/> 0 3 None <input checked="" type="checkbox"/> 9 9</p> <p>16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Describe _____</p> <p>17. Source of water (attach analysis, if required): _____</p> </div> <p>E. Bentonite seal, top <u>649.1</u> ft. MSL or <u>0.0</u> ft.</p> <p>F. Fine sand, top <u>645.1</u> ft. MSL or <u>4.0</u> ft.</p> <p>G. Filter pack, top <u>644.1</u> ft. MSL or <u>5.0</u> ft.</p> <p>H. Screen joint, top <u>643.1</u> ft. MSL or <u>6.0</u> ft.</p> <p>I. Well bottom <u>633.1</u> ft. MSL or <u>16.0</u> ft.</p> <p>J. Filter pack, bottom <u>632.1</u> ft. MSL or <u>17.0</u> ft.</p> <p>K. Borehole, bottom <u>631.1</u> ft. MSL or <u>18.0</u> ft.</p> <p>L. Borehole, diameter <u>8.0</u> in.</p> <p>M. O.D. well casing <u>2.38</u> in.</p> <p>N. I.D. well casing <u>2.00</u> in.</p> | | <p>1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>2. Protective cover pipe: a. Inside diameter: <u>4.0</u> in. b. Length: <u>5.0</u> ft. c. Material: Steel <input checked="" type="checkbox"/> 0 4 Other <input type="checkbox"/> d. Additional protection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: <u>(3) 3" x 7' Steel Bollards</u></p> <p>3. Surface seal: Bentonite <input checked="" type="checkbox"/> 3 0 Concrete <input type="checkbox"/> 0 1 Other <input type="checkbox"/></p> <p>4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 3 0 Sand <input checked="" type="checkbox"/></p> <p>5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 3 3 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 3 5 c. _____ Lbs/gal mud weight . . . Bentonite slurry <input type="checkbox"/> 3 1 d. _____ % Bentonite . . . Bentonite-cement grout <input type="checkbox"/> 5 0 e. <u>0.4</u> Ft³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 0 1 Tremie pumped <input type="checkbox"/> 0 2 Gravity <input checked="" type="checkbox"/> 0 8</p> <p>6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 3 3 b. <input type="checkbox"/> 1/4 in. <input type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input type="checkbox"/> 3 2 c. _____ Other <input type="checkbox"/></p> <p>7. Fine sand material: Manufacturer, product name & mesh size a. <u>Red Flint, Filter Sand #15</u> b. Volume added _____ ft³</p> <p>8. Filter pack material: Manufacturer, product name & mesh size a. <u>Red Flint, Filter Sand #40</u> b. Volume added _____ ft³</p> <p>9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 2 3 Flush threaded PVC schedule 80 <input type="checkbox"/> 2 4 _____ Other <input type="checkbox"/></p> <p>10. Screen material: <u>PVC</u> a. Screen Type: Factory cut <input checked="" type="checkbox"/> 1 1 Continuous slot <input type="checkbox"/> 0 1 _____ Other <input type="checkbox"/> b. Manufacturer <u>Hole Products</u> c. Slot size: <u>0.010</u> in. d. Slotted length: <u>10.0</u> ft.</p> <p>11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 1 4 _____ Other <input type="checkbox"/></p> |
|--|--|---|

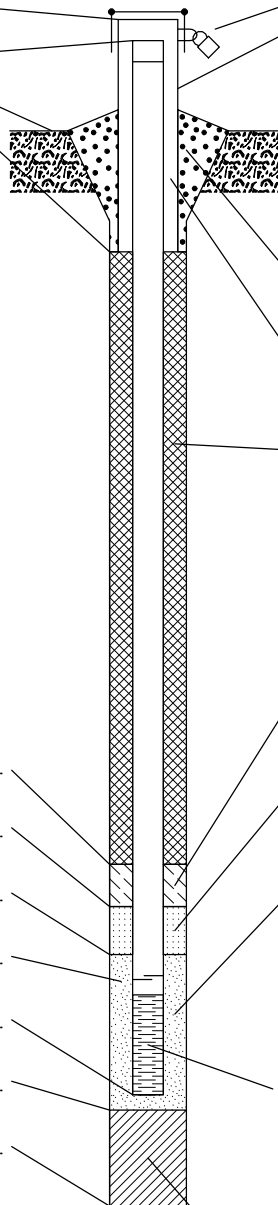
I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [Signature] Firm Barr Engineering Co. Tel: _____ Fax: _____

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

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

| | | |
|--|---|---|
| Facility/Project Name Enbridge Groundwater Monitoring Program | Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W. | Well Name MW-24B |
| Facility License, Permit or Monitoring No. Enbridge Superior Terminal | Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input checked="" type="checkbox"/> Lat. <u>46° 41' 25.4"</u> Long. <u>-92° 3' 22.3"</u> or | Wis. Unique Well No. _____ DNR Well Number _____ |
| Facility ID _____ | St. Plane _____ ft. N, _____ ft. E. S / C / N | Date Well Installed 10/26/2015 |
| Type of Well Well Code 12/pz | Section Location of Waste/Source <u>NE</u> 1/4 of <u>NE</u> 1/4 of Sec. <u>36</u> , T. <u>49</u> N, R. <u>14</u> <input type="checkbox"/> E <input checked="" type="checkbox"/> W | Well Installed By: (Person's Name and Firm) Randy Ochs |
| Distance from Waste/Source ft. _____ | Location of Well Relative to Waste/Source u <input checked="" type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known | Coleman Engineering |

| | |
|--|---|
| <p>A. Protective pipe, top elevation _____ ft. MSL</p> <p>B. Well casing, top elevation <u>651.45</u> ft. MSL</p> <p>C. Land surface elevation <u>648.9</u> ft. MSL</p> <p>D. Surface seal, bottom <u>643.9</u> ft. MSL or <u>5.0</u> ft.</p> <div style="border: 1px solid black; padding: 5px;"> <p>12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input checked="" type="checkbox"/> Bedrock <input type="checkbox"/></p> <p>13. Sieve analysis attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>14. Drilling method used: Rotary <input type="checkbox"/> 5 0 Hollow Stem Auger <input checked="" type="checkbox"/> 4 1 _____ Other <input type="checkbox"/></p> <p>15. Drilling fluid used: Water <input type="checkbox"/> 0 2 Air <input type="checkbox"/> 0 1 Drilling Mud <input type="checkbox"/> 0 3 None <input checked="" type="checkbox"/> 9 9</p> <p>16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Describe _____</p> <p>17. Source of water (attach analysis, if required): _____</p> </div> <p>E. Bentonite seal, top _____ ft. MSL or _____ ft.</p> <p>F. Fine sand, top <u>611.4</u> ft. MSL or <u>37.5</u> ft.</p> <p>G. Filter pack, top <u>609.9</u> ft. MSL or <u>39.0</u> ft.</p> <p>H. Screen joint, top <u>607.9</u> ft. MSL or <u>41.0</u> ft.</p> <p>I. Well bottom <u>602.9</u> ft. MSL or <u>46.0</u> ft.</p> <p>J. Filter pack, bottom <u>601.9</u> ft. MSL or <u>47.0</u> ft.</p> <p>K. Borehole, bottom <u>601.9</u> ft. MSL or <u>47.0</u> ft.</p> <p>L. Borehole, diameter <u>8.0</u> in.</p> <p>M. O.D. well casing <u>2.38</u> in.</p> <p>N. I.D. well casing <u>2.00</u> in.</p> |  <p>1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>2. Protective cover pipe: a. Inside diameter: <u>4.0</u> in. b. Length: <u>5.0</u> ft. c. Material: Steel <input checked="" type="checkbox"/> 0 4 Other <input type="checkbox"/> d. Additional protection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: <u>(3) 3" x 7' Steel Bollards</u></p> <p>3. Surface seal: Bentonite <input checked="" type="checkbox"/> 3 0 Concrete <input type="checkbox"/> 0 1 Other <input type="checkbox"/></p> <p>4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 3 0 Sand <input checked="" type="checkbox"/></p> <p>5. Annular space seal: a. Granular/Chipped Bentonite <input type="checkbox"/> 3 3 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 3 5 c. <u>0.67</u> Lbs/gal mud weight . . . Bentonite slurry <input checked="" type="checkbox"/> 3 1 d. _____ % Bentonite . . . Bentonite-cement grout <input type="checkbox"/> 5 0 e. <u>17.4</u> Ft³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 0 1 Tremie pumped <input checked="" type="checkbox"/> 0 2 Gravity <input type="checkbox"/> 0 8</p> <p>6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 3 3 b. <input type="checkbox"/> 1/4 in. <input type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input type="checkbox"/> 3 2 c. _____ Other <input type="checkbox"/></p> <p>7. Fine sand material: Manufacturer, product name & mesh size a. <u>Red Flint, Filter Sand #15</u> b. Volume added <u>1</u> ft³</p> <p>8. Filter pack material: Manufacturer, product name & mesh size a. <u>Red Flint, Filter Sand #40</u> b. Volume added <u>2.75</u> ft³</p> <p>9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 2 3 Flush threaded PVC schedule 80 <input type="checkbox"/> 2 4 _____ Other <input type="checkbox"/></p> <p>10. Screen material: <u>PVC</u> a. Screen Type: Factory cut <input checked="" type="checkbox"/> 1 1 Continuous slot <input type="checkbox"/> 0 1 _____ Other <input type="checkbox"/> b. Manufacturer <u>Hole Products</u> c. Slot size: <u>0.010</u> in. d. Slotted length: <u>5.0</u> ft.</p> <p>11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 1 4 _____ Other <input type="checkbox"/></p> |
|--|---|

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

Signature [Signature] Firm Barr Engineering Co. Tel: _____ Fax: _____

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

| | | |
|--|---|--|
| Facility/Project Name Enbridge Groundwater Monitoring Program | Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W. | Well Name MW-25A |
| Facility License, Permit or Monitoring No. Enbridge Superior Terminal | Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input checked="" type="checkbox"/> Lat. <u>46° 41' 40.2"</u> Long. <u>-92° 3' 45.7"</u> or | Wis. Unique Well No. _____ DNR Well Number _____ |
| Facility ID _____ | St. Plane _____ ft. N, _____ ft. E. S/C/N _____ | Date Well Installed <u>10/28/2015</u> |
| Type of Well Well Code 11/mw | Section Location of Waste/Source <u>NE 1/4 of SW 1/4 of Sec. 30, T. 49 N, R. 14</u> <input type="checkbox"/> E <input checked="" type="checkbox"/> W | Well Installed By: (Person's Name and Firm) <u>Randy Ochs</u> |
| Distance from Waste/Source _____ ft. | Location of Well Relative to Waste/Source u <input checked="" type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known | Gov. Lot Number _____ |
| Enf. Stds. Apply <input type="checkbox"/> | | <u>Coleman Engineering</u> |

- A. Protective pipe, top elevation _____ ft. MSL
- B. Well casing, top elevation 638.31 ft. MSL
- C. Land surface elevation 635.9 ft. MSL
- D. Surface seal, bottom 631.9 ft. MSL or 4.0 ft.

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

13. Sieve analysis attached? Yes No

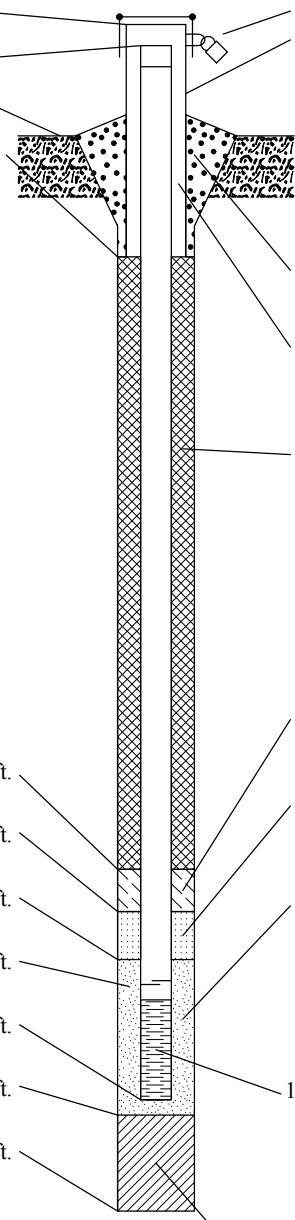
14. Drilling method used: Rotary 5 0
 Hollow Stem Auger 4 1
 _____ Other

15. Drilling fluid used: Water 0 2 Air 0 1
 Drilling Mud 0 3 None 9 9

16. Drilling additives used? Yes No

Describe _____

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



- 1. Cap and lock? Yes No
- 2. Protective cover pipe:
 - a. Inside diameter: 4.0 in.
 - b. Length: 5.0 ft.
 - c. Material: Steel 0 4
Other
 - d. Additional protection? Yes No
If yes, describe: (2) 3" x 7' Steel Bollards
- 3. Surface seal: Bentonite 3 0
Concrete 0 1
Other
- 4. Material between well casing and protective pipe: Bentonite 3 0
Sand
- 5. Annular space seal:
 - a. Granular/Chipped Bentonite 3 3
 - b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry 3 5
 - c. _____ Lbs/gal mud weight . . . Bentonite slurry 3 1
 - d. _____ % Bentonite . . . Bentonite-cement grout 5 0
 - e. 0.4 Ft³ volume added for any of the above
 - f. How installed: Tremie 0 1
Tremie pumped 0 2
Gravity 0 8
- 6. Bentonite seal:
 - a. Bentonite granules 3 3
 - b. 1/4 in. 3/8 in. 1/2 in. Bentonite chips 3 2
 - c. _____ Other
- 7. Fine sand material: Manufacturer, product name & mesh size
 a. Red Flint, Filter Sand #15
 b. Volume added 0.5 ft³
- 8. Filter pack material: Manufacturer, product name & mesh size
 a. Red Flint, Filter Sand #40
 b. Volume added 4.6 ft³
- 9. Well casing: Flush threaded PVC schedule 40 2 3
 Flush threaded PVC schedule 80 2 4
 _____ Other
- 10. Screen material: PVC
 a. Screen Type: Factory cut 1 1
 Continuous slot 0 1
 _____ Other
- b. Manufacturer Hole Products
 c. Slot size: 0.010 in.
 d. Slotted length: 10.0 ft.
- 11. Backfill material (below filter pack): None 1 4
 _____ Other

- E. Bentonite seal, top 635.9 ft. MSL or 0.0 ft.
- F. Fine sand, top 631.9 ft. MSL or 4.0 ft.
- G. Filter pack, top 630.9 ft. MSL or 5.0 ft.
- H. Screen joint, top 629.9 ft. MSL or 6.0 ft.
- I. Well bottom 619.9 ft. MSL or 16.0 ft.
- J. Filter pack, bottom 618.9 ft. MSL or 17.0 ft.
- K. Borehole, bottom 618.9 ft. MSL or 17.0 ft.
- L. Borehole, diameter 8.0 in.
- M. O.D. well casing 2.38 in.
- N. I.D. well casing 2.00 in.

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

Signature *Nelle Scelina* Firm Barr Engineering Co. Tel: _____ Fax: _____

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

| | | |
|--|---|---|
| Facility/Project Name Enbridge Groundwater Monitoring Program | Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W. | Well Name MW-25B |
| Facility License, Permit or Monitoring No. Enbridge Superior Terminal | Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input checked="" type="checkbox"/> Lat. <u>46° 41' 40.2"</u> Long. <u>-92° 3' 45.7"</u> or | Wis. Unique Well No. _____ DNR Well Number _____ |
| Facility ID | St. Plane _____ ft. N, _____ ft. E. S / C / N | Date Well Installed 10/29/2015 |
| Type of Well Well Code 12/pz | Section Location of Waste/Source <u>NE</u> 1/4 of <u>SW</u> 1/4 of Sec. <u>30</u> , T. <u>49</u> N, R. <u>14</u> <input type="checkbox"/> E <input checked="" type="checkbox"/> W | Well Installed By: (Person's Name and Firm) Randy Ochs |
| Distance from Waste/Source ft. | Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input checked="" type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known | Gov. Lot Number _____ Coleman Engineering |

- A. Protective pipe, top elevation _____ ft. MSL
- B. Well casing, top elevation 638.52 ft. MSL
- C. Land surface elevation 635.9 ft. MSL
- D. Surface seal, bottom 630.9 ft. MSL or 5.0 ft.

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

13. Sieve analysis attached? Yes No

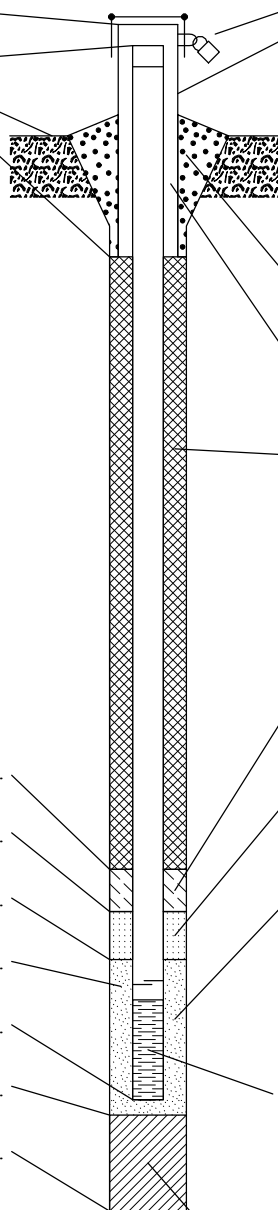
14. Drilling method used: Rotary 5 0
 Hollow Stem Auger 4 1
 _____ Other

15. Drilling fluid used: Water 0 2 Air 0 1
 Drilling Mud 0 3 None 9 9

16. Drilling additives used? Yes No

Describe _____

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



- 1. Cap and lock? Yes No
- 2. Protective cover pipe:
 - a. Inside diameter: 4.0 in.
 - b. Length: 5.0 ft.
 - c. Material: Steel 0 4
Other
 - d. Additional protection? Yes No
If yes, describe: (3) 3" x 7' Steel Bollards
- 3. Surface seal: Bentonite 3 0
Concrete 0 1
Other
- 4. Material between well casing and protective pipe: Bentonite 3 0
Sand
- 5. Annular space seal:
 - a. Granular/Chipped Bentonite 3 3
 - b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry 3 5
 - c. 1 Lbs/gal mud weight . . . Bentonite slurry 3 1
 - d. _____ % Bentonite . . . Bentonite-cement grout 5 0
 - e. 13.4 Ft³ volume added for any of the above
 - f. How installed: Tremie 0 1
Tremie pumped 0 2
Gravity 0 8
- 6. Bentonite seal:
 - a. Bentonite granules 3 3
 - b. 1/4 in. 3/8 in. 1/2 in. Bentonite chips 3 2
 - c. _____ Other
- 7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint, Filter Sand #15
- b. Volume added 0.4 ft³
- 8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint, Filter Sand #40
- b. Volume added 2.75 ft³
- 9. Well casing: Flush threaded PVC schedule 40 2 3
Flush threaded PVC schedule 80 2 4
Other
- 10. Screen material: PVC
- a. Screen Type: Factory cut 1 1
Continuous slot 0 1
Other
- b. Manufacturer Hole Products
- c. Slot size: 0.010 in.
- d. Slotted length: 5.0 ft.
- 11. Backfill material (below filter pack): None 1 4
Other

- E. Bentonite seal, top _____ ft. MSL or _____ ft.
- F. Fine sand, top 598.4 ft. MSL or 37.5 ft.
- G. Filter pack, top 596.7 ft. MSL or 39.2 ft.
- H. Screen joint, top 594.9 ft. MSL or 41.0 ft.
- I. Well bottom 589.9 ft. MSL or 46.0 ft.
- J. Filter pack, bottom 588.9 ft. MSL or 47.0 ft.
- K. Borehole, bottom 588.9 ft. MSL or 47.0 ft.
- L. Borehole, diameter 8.0 in.
- M. O.D. well casing 2.38 in.
- N. I.D. well casing 2.00 in.

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

Signature [Signature] Firm Barr Engineering Co. Tel: _____ Fax: _____

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

| | | |
|--|---|---|
| Facility/Project Name Enbridge Groundwater Monitoring Program | Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W. | Well Name MW-26 |
| Facility License, Permit or Monitoring No. Enbridge Superior Terminal | Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input checked="" type="checkbox"/> Lat. <u>46° 41' 48.6"</u> Long. <u>-92° 3' 3.9"</u> or | Wis. Unique Well No. _____ DNR Well Number _____ |
| Facility ID | St. Plane _____ ft. N, _____ ft. E. S/C/N _____ | Date Well Installed 10/28/2015 |
| Type of Well Well Code 11/mw | Section Location of Waste/Source <u>NW 1/4 of SW 1/4 of Sec. 30, T. 49 N, R. 14</u> <input type="checkbox"/> E <input checked="" type="checkbox"/> W | Well Installed By: (Person's Name and Firm) Randy Ochs |
| Distance from Waste/Source ft. _____ | Location of Well Relative to Waste/Source u <input checked="" type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known | Gov. Lot Number _____ |
| Enf. Stds. Apply <input type="checkbox"/> | | Coleman Engineering |

| | | |
|---|--|---|
| A. Protective pipe, top elevation _____ ft. MSL | | 1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| B. Well casing, top elevation <u>646.17</u> ft. MSL | | 2. Protective cover pipe: a. Inside diameter: _____ in. <u>4.0</u> b. Length: _____ ft. <u>5.0</u> c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/> _____ d. Additional protection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: <u>(3) 3" x 7' Steel Bollards</u> |
| C. Land surface elevation <u>643.4</u> ft. MSL | | 3. Surface seal: Bentonite <input checked="" type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input type="checkbox"/> _____ |
| D. Surface seal, bottom <u>639.4</u> ft. MSL or <u>4.0</u> ft. | | 4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 30 Sand <input checked="" type="checkbox"/> _____ Other <input type="checkbox"/> _____ |
| 12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input checked="" type="checkbox"/> Bedrock <input type="checkbox"/> | | 5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight . . . Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite . . . Bentonite-cement grout <input type="checkbox"/> 50 e. <u>0.4</u> Ft ³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08 |
| 13. Sieve analysis attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | 6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input type="checkbox"/> 32 c. _____ Other <input type="checkbox"/> _____ |
| 14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/> _____ | | 7. Fine sand material: Manufacturer, product name & mesh size a. <u>Red Flint, Filter Sand #15</u> b. Volume added <u>0.7</u> ft ³ |
| 15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99 | | 8. Filter pack material: Manufacturer, product name & mesh size a. <u>Red Flint, Filter Sand #40</u> b. Volume added <u>4</u> ft ³ |
| 16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | 9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/> _____ |
| Describe _____ | | 10. Screen material: <u>PVC</u> a. Screen Type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/> _____ b. Manufacturer <u>Hole Products</u> c. Slot size: <u>0.010</u> in. d. Slotted length: <u>10.0</u> ft. |
| 17. Source of water (attach analysis, if required): _____ | 11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/> _____ | |
| E. Bentonite seal, top <u>643.4</u> ft. MSL or <u>0.0</u> ft. | | |
| F. Fine sand, top <u>639.4</u> ft. MSL or <u>4.0</u> ft. | | |
| G. Filter pack, top <u>638.4</u> ft. MSL or <u>5.0</u> ft. | | |
| H. Screen joint, top <u>637.4</u> ft. MSL or <u>6.0</u> ft. | | |
| I. Well bottom <u>627.4</u> ft. MSL or <u>16.0</u> ft. | | |
| J. Filter pack, bottom <u>626.4</u> ft. MSL or <u>17.0</u> ft. | | |
| K. Borehole, bottom <u>626.4</u> ft. MSL or <u>17.0</u> ft. | | |
| L. Borehole, diameter <u>8.0</u> in. | | |
| M. O.D. well casing <u>2.38</u> in. | | |
| N. I.D. well casing <u>2.00</u> in. | | |

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

Signature Noelle Scelima Firm Barr Engineering Co. Tel: _____ Fax: _____

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

| | | |
|--|---|---|
| Facility/Project Name Enbridge Groundwater Monitoring Program | Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W. | Well Name MW-5B |
| Facility License, Permit or Monitoring No. Enbridge Superior Terminal | Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input checked="" type="checkbox"/> Lat. <u>46° 41' 17.4"</u> Long. <u>-92° 3' 3.3"</u> or | Wis. Unique Well No. _____ DNR Well Number _____ |
| Facility ID | St. Plane _____ ft. N, _____ ft. E. S / C / N | Date Well Installed 11/03/2015 |
| Type of Well Well Code 12/pz | Section Location of Waste/Source <u>SE</u> 1/4 of <u>NW</u> 1/4 of Sec. <u>31</u> , T. <u>49</u> N, R. <u>14</u> <input type="checkbox"/> E <input checked="" type="checkbox"/> W | Well Installed By: (Person's Name and Firm) Randy Ochs |
| Distance from Waste/Source ft. | Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input checked="" type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known | Coleman Engineering |

| | | |
|--|--|--|
| <p>A. Protective pipe, top elevation _____ ft. MSL</p> <p>B. Well casing, top elevation <u>644.20</u> ft. MSL</p> <p>C. Land surface elevation <u>640.9</u> ft. MSL</p> <p>D. Surface seal, bottom <u>635.9</u> ft. MSL or <u>5.0</u> ft.</p> <div style="border: 1px solid black; padding: 5px;"> <p>12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input checked="" type="checkbox"/> Bedrock <input type="checkbox"/></p> <p>13. Sieve analysis attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>14. Drilling method used: Rotary <input type="checkbox"/> 5 0 Hollow Stem Auger <input checked="" type="checkbox"/> 4 1 _____ Other <input type="checkbox"/></p> <p>15. Drilling fluid used: Water <input type="checkbox"/> 0 2 Air <input type="checkbox"/> 0 1 Drilling Mud <input type="checkbox"/> 0 3 None <input checked="" type="checkbox"/> 9 9</p> <p>16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Describe _____</p> <p>17. Source of water (attach analysis, if required): _____</p> </div> <p>E. Bentonite seal, top _____ ft. MSL or _____ ft.</p> <p>F. Fine sand, top <u>594.9</u> ft. MSL or <u>46.0</u> ft.</p> <p>G. Filter pack, top <u>593.9</u> ft. MSL or <u>47.0</u> ft.</p> <p>H. Screen joint, top <u>591.9</u> ft. MSL or <u>49.0</u> ft.</p> <p>I. Well bottom <u>586.9</u> ft. MSL or <u>54.0</u> ft.</p> <p>J. Filter pack, bottom <u>585.9</u> ft. MSL or <u>55.0</u> ft.</p> <p>K. Borehole, bottom <u>583.9</u> ft. MSL or <u>57.0</u> ft.</p> <p>L. Borehole, diameter <u>8.0</u> in.</p> <p>M. O.D. well casing <u>2.38</u> in.</p> <p>N. I.D. well casing <u>2.00</u> in.</p> | | <p>1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>2. Protective cover pipe: a. Inside diameter: <u>4.0</u> in. b. Length: <u>5.0</u> ft. c. Material: Steel <input checked="" type="checkbox"/> 0 4 Other <input type="checkbox"/> d. Additional protection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: <u>(3) 7' Steel T-Posts</u></p> <p>3. Surface seal: Bentonite <input checked="" type="checkbox"/> 3 0 Concrete <input type="checkbox"/> 0 1 Other <input type="checkbox"/></p> <p>4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 3 0 Sand <input checked="" type="checkbox"/></p> <p>5. Annular space seal: a. Granular/Chipped Bentonite <input type="checkbox"/> 3 3 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 3 5 c. <u>3</u> Lbs/gal mud weight . . . Bentonite slurry <input checked="" type="checkbox"/> 3 1 d. _____ % Bentonite . . . Bentonite-cement grout <input type="checkbox"/> 5 0 e. <u>15.5</u> Ft³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 0 1 Tremie pumped <input checked="" type="checkbox"/> 0 2 Gravity <input type="checkbox"/> 0 8</p> <p>6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 3 3 b. <input type="checkbox"/> 1/4 in. <input type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input type="checkbox"/> 3 2 c. _____ Other <input type="checkbox"/></p> <p>7. Fine sand material: Manufacturer, product name & mesh size a. <u>Red Flint, Filter Sand #15</u> b. Volume added <u>0.5</u> ft³</p> <p>8. Filter pack material: Manufacturer, product name & mesh size a. <u>Red Flint, Filter Sand #40</u> b. Volume added <u>2.5</u> ft³</p> <p>9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 2 3 Flush threaded PVC schedule 80 <input type="checkbox"/> 2 4 _____ Other <input type="checkbox"/></p> <p>10. Screen material: <u>PVC</u> a. Screen Type: Factory cut <input checked="" type="checkbox"/> 1 1 Continuous slot <input type="checkbox"/> 0 1 _____ Other <input type="checkbox"/> b. Manufacturer <u>Hole Products</u> c. Slot size: <u>0.010</u> in. d. Slotted length: <u>5.0</u> ft.</p> <p>11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 1 4 _____ Other <input type="checkbox"/></p> |
|--|--|--|

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

Signature [Signature] Firm Barr Engineering Co. Tel: _____ Fax: _____

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

| | | |
|--|---|---|
| Facility/Project Name Enbridge Groundwater Monitoring Program | Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W. | Well Name MW-6B |
| Facility License, Permit or Monitoring No. Enbridge Superior Terminal | Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input checked="" type="checkbox"/> Lat. <u>46° 41' 2.1"</u> Long. <u>-92° 3' 42.7"</u> or | Wis. Unique Well No. _____ DNR Well Number _____ |
| Facility ID _____ | St. Plane _____ ft. N, _____ ft. E. S / C / N _____ | Date Well Installed 10/27/2015 |
| Type of Well Well Code 12/pz _____ | Section Location of Waste/Source <u>SW</u> 1/4 of <u>NE</u> 1/4 of Sec. <u>36</u> , T. <u>49</u> N, R. <u>14</u> <input type="checkbox"/> E <input checked="" type="checkbox"/> W | Well Installed By: (Person's Name and Firm) Randy Ochs |
| Distance from Waste/Source ft. _____ | Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input checked="" type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known | Gov. Lot Number _____ Coleman Engineering |

| | | |
|---|--|--|
| A. Protective pipe, top elevation _____ ft. MSL | | 1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| B. Well casing, top elevation <u>646.77</u> ft. MSL | | 2. Protective cover pipe: a. Inside diameter: _____ in. <u>4.0</u> b. Length: _____ ft. <u>5.0</u> c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/> _____ d. Additional protection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: <u>(2) 3" x 7' Steel Bollards</u> |
| C. Land surface elevation <u>644.2</u> ft. MSL | | 3. Surface seal: Bentonite <input checked="" type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input type="checkbox"/> _____ |
| D. Surface seal, bottom <u>639.2</u> ft. MSL or <u>5.0</u> ft. | | 4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 30 Sand <input checked="" type="checkbox"/> _____ Other <input type="checkbox"/> _____ |
| 12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input checked="" type="checkbox"/> Bedrock <input type="checkbox"/> | | |
| 13. Sieve analysis attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| 14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/> _____ | | |
| 15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99 | | |
| 16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| Describe _____ | | |
| 17. Source of water (attach analysis, if required): _____ | | |
| E. Bentonite seal, top _____ ft. MSL or _____ ft. | | 5. Annular space seal: a. Granular/Chipped Bentonite <input type="checkbox"/> 33 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35 c. <u>1.12</u> Lbs/gal mud weight . . . Bentonite slurry <input checked="" type="checkbox"/> 31 d. _____ % Bentonite . . . Bentonite-cement grout <input type="checkbox"/> 50 e. <u>19.4</u> Ft ³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input checked="" type="checkbox"/> 02 Gravity <input type="checkbox"/> 08 |
| F. Fine sand, top <u>597.1</u> ft. MSL or <u>47.1</u> ft. | | 6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input type="checkbox"/> 32 c. _____ Other <input type="checkbox"/> _____ |
| G. Filter pack, top <u>596.0</u> ft. MSL or <u>48.2</u> ft. | | 7. Fine sand material: Manufacturer, product name & mesh size a. <u>Red Flint, Filter Sand #15</u> b. Volume added <u>0.5</u> ft ³ |
| H. Screen joint, top <u>594.2</u> ft. MSL or <u>50.0</u> ft. | | 8. Filter pack material: Manufacturer, product name & mesh size a. <u>Red Flint, Filter Sand #40</u> b. Volume added <u>2.5</u> ft ³ |
| I. Well bottom <u>589.2</u> ft. MSL or <u>55.0</u> ft. | | 9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/> _____ |
| J. Filter pack, bottom <u>588.2</u> ft. MSL or <u>56.0</u> ft. | | 10. Screen material: <u>PVC</u> |
| K. Borehole, bottom <u>587.2</u> ft. MSL or <u>57.0</u> ft. | | a. Screen Type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/> _____ |
| L. Borehole, diameter <u>8.0</u> in. | | b. Manufacturer <u>Hole Products</u> |
| M. O.D. well casing <u>2.38</u> in. | | c. Slot size: <u>0.010</u> in. |
| N. I.D. well casing <u>2.00</u> in. | | d. Slotted length: <u>5.0</u> ft. |
| | | 11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/> _____ |

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

Signature Noelle Scelina Firm Barr Engineering Co. Tel: _____ Fax: _____

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

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

| | | | |
|--|--------------------------|----------------------------|-----------------|
| Facility/Project Name Enbridge Groundwater Monitoring Program | County Douglas | Well Name MW-22B | |
| Facility License, Permit or Monitoring Number Enbridge Superior Terminal | County Code 16 | Wis. Unique Well Number | DNR Well Number |

1. Can this well be purged dry? Yes No
2. Well development method:
- surged with bailer and bailed 4 1
 - surged with bailer and pumped 6 1
 - surged with block and bailed 4 2
 - surged with block and pumped 6 2
 - surged with block, bailed, and pumped 7 0
 - compressed air 2 0
 - bailed only 1 0
 - pumped only 5 1
 - pumped slowly 5 0
 - other _____
3. Time spent developing well **35 min.**
4. Depth of well (from top of well casing) **57.5 ft.**
5. Inside diameter of well **2.00 in.**
6. Volume of water in filter pack and well casing **7.4 gal.**
7. Volume of water removed from well **10.0 gal.**
8. Volume of water added (if any) _____ gal.
9. Source of water added _____
10. Analysis performed on water added? Yes No
(If yes, attach results)

| | Before Development | After Development |
|--|---|---|
| 11. Depth to Water (from top of well casing) | a. 12.23 ft. | 56.32 ft. |
| Date | b. 11/5/2015 | 11/6/2015 |
| Time | c. 03:30 <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m. | <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m. |
| 12. Sediment in well bottom | inches | inches |
| 13. Water clarity | Clear <input type="checkbox"/> 1 0 Turbid <input checked="" type="checkbox"/> 1 5 (Describe) <u>Moderately turbid (reddish brown)</u> | Clear <input type="checkbox"/> 2 0 Turbid <input checked="" type="checkbox"/> 2 5 (Describe) <u>Highly turbid (reddish brown)</u> |

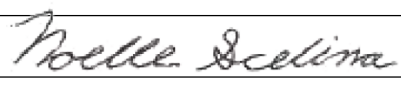
Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids mg/l mg/l

15. COD mg/l mg/l

16. Well developed by: Person's Name and Firm
Noelle Scelina
Barr Engineering

17. Additional comments on development:
Well development started on the 11/5/15. Had to stop after 5 minutes of developing due to sever weather. Continued development on the 11/6/15.

| | |
|---|--|
| Facility Address or Owner/Responsible Party Address Name: <u>Karl Beaster</u> Firm: <u>Enbridge Energy</u> Street: <u>1320 Grand Ave.</u> City/State/Zip: <u>Superior, WI 54880</u> | I hereby certify that the above information is true and correct to the best of my knowledge. Signature: <u></u> Print Name: <u>Noelle Scelina</u> Firm: <u>Barr Engineering Co.</u> |
|---|--|

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

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

| | | |
|--|--------------------------|--|
| Facility/Project Name Enbridge Groundwater Monitoring Program | County Douglas | Well Name MW-23B |
| Facility License, Permit or Monitoring Number Enbridge Superior Terminal | County Code 16 | Wis. Unique Well Number DNR Well Number |

1. Can this well be purged dry? Yes No
2. Well development method:
- surged with bailer and bailed 4 1
 - surged with bailer and pumped 6 1
 - surged with block and bailed 4 2
 - surged with block and pumped 6 2
 - surged with block, bailed, and pumped 7 0
 - compressed air 2 0
 - bailed only 1 0
 - pumped only 5 1
 - pumped slowly 5 0
 - other _____
3. Time spent developing well **15 min.**
4. Depth of well (from top of well casing) **19.1 ft.**
5. Inside diameter of well **2.00 in.**
6. Volume of water in filter pack and well casing **1.0 gal.**
7. Volume of water removed from well **4.0 gal.**
8. Volume of water added (if any) **gal.**
9. Source of water added _____
10. Analysis performed on water added? Yes No
(If yes, attach results)

- | | | Before Development | After Development |
|--|----|---|---|
| 11. Depth to Water (from top of well casing) | a. | 50.51 ft. | 56.22 ft. |
| Date | b. | 11/6/2015 | 11/6/2015 |
| Time | c. | 01:50 <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m. | 02:05 <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m. |
| 12. Sediment in well bottom | | inches | inches |
| 13. Water clarity | | Clear <input type="checkbox"/> 1 0 Turbid <input checked="" type="checkbox"/> 1 5 (Describe) <u>Moderately turbid (reddish brown)</u> | Clear <input type="checkbox"/> 2 0 Turbid <input checked="" type="checkbox"/> 2 5 (Describe) <u>Slightly turbid (reddish brown)</u> |
- Fill in if drilling fluids were used and well is at solid waste facility:
14. Total suspended solids mg/l mg/l
15. COD mg/l mg/l

16. Well developed by: Person's Name and Firm
Noelle Scelina
Barr Engineering

17. Additional comments on development:

Facility Address or Owner/Responsible Party Address

Name: Karl Beaster

Firm: Enbridge Energy

Street: 1320 Grand Ave.

City/State/Zip: Superior, WI 54880

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

Signature: *Noelle Scelina*

Print Name: Noelle Scelina

Firm: Barr Engineering Co.

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

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

| | | |
|--|--------------------------|--|
| Facility/Project Name Enbridge Groundwater Monitoring Program | County Douglas | Well Name MW-24A |
| Facility License, Permit or Monitoring Number Enbridge Superior Terminal | County Code 16 | Wis. Unique Well Number DNR Well Number |

1. Can this well be purged dry? Yes No
2. Well development method:

| | | |
|---------------------------------------|-------------------------------------|-----|
| surged with bailer and bailed | <input type="checkbox"/> | 4 1 |
| surged with bailer and pumped | <input type="checkbox"/> | 6 1 |
| surged with block and bailed | <input type="checkbox"/> | 4 2 |
| surged with block and pumped | <input type="checkbox"/> | 6 2 |
| surged with block, bailed, and pumped | <input type="checkbox"/> | 7 0 |
| compressed air | <input type="checkbox"/> | 2 0 |
| bailed only | <input checked="" type="checkbox"/> | 1 0 |
| pumped only | <input type="checkbox"/> | 5 1 |
| pumped slowly | <input type="checkbox"/> | 5 0 |
| other _____ | <input type="checkbox"/> | |
3. Time spent developing well 5 min.
4. Depth of well (from top of well casing) 18.5 ft.
5. Inside diameter of well 2.00 in.
6. Volume of water in filter pack and well casing 0.4 gal.
7. Volume of water removed from well 2.0 gal.
8. Volume of water added (if any) gal.
9. Source of water added _____
10. Analysis performed on water added? Yes No
(If yes, attach results)

| | | Before Development | After Development |
|--|----|---|---|
| 11. Depth to Water (from top of well casing) | a. | 16.30 ft. | 18.50 ft. |
| Date | b. | 11/6/2015 | 11/6/2015 |
| Time | c. | 04:20 <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m. | 04:25 <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m. |
| 12. Sediment in well bottom | | inches | inches |
| 13. Water clarity | | Clear <input type="checkbox"/> 1 0 Turbid <input checked="" type="checkbox"/> 1 5 (Describe) <u>Slightly turbid (reddish brown)</u> | Clear <input type="checkbox"/> 2 0 Turbid <input checked="" type="checkbox"/> 2 5 (Describe) <u>Slightly turbid (reddish brown)</u> |

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

| | | |
|----------------------------|------|------|
| 14. Total suspended solids | mg/l | mg/l |
| 15. COD | mg/l | mg/l |

16. Well developed by: Person's Name and Firm
Noelle Scelina
Barr Engineering

17. Additional comments on development:

Facility Address or Owner/Responsible Party Address

Name: Karl Beaster

Firm: Enbridge Energy

Street: 1320 Grand Ave.

City/State/Zip: Superior, WI 54880

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

Signature: *Noelle Scelina*

Print Name: Noelle Scelina

Firm: Barr Engineering Co.

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

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

| | | | |
|--|--------------------------|----------------------------|-----------------|
| Facility/Project Name Enbridge Groundwater Monitoring Program | County Douglas | Well Name MW-24B | |
| Facility License, Permit or Monitoring Number Enbridge Superior Terminal | County Code 16 | Wis. Unique Well Number | DNR Well Number |

1. Can this well be purged dry? Yes No
2. Well development method:
- surged with bailer and bailed 4 1
 - surged with bailer and pumped 6 1
 - surged with block and bailed 4 2
 - surged with block and pumped 6 2
 - surged with block, bailed, and pumped 7 0
 - compressed air 2 0
 - bailed only 1 0
 - pumped only 5 1
 - pumped slowly 5 0
 - other _____ █
3. Time spent developing well **23 min.**
4. Depth of well (from top of well casing) **48.9 ft.**
5. Inside diameter of well **2.00 in.**
6. Volume of water in filter pack and well casing **4.5 gal.**
7. Volume of water removed from well **10.0 gal.**
8. Volume of water added (if any) _____ gal.
9. Source of water added _____
10. Analysis performed on water added? Yes No
(If yes, attach results)

| | Before Development | After Development |
|---|---|---|
| 11. Depth to Water (from top of well casing) | a. 21.33 ft. | 48.32 ft. |
| Date | b. 11/6/2015 | 11/6/2015 |
| Time | c. 04:40 <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m. | 05:00 <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m. |
| 12. Sediment in well bottom | inches | inches |
| 13. Water clarity | Clear <input type="checkbox"/> 1 0 Turbid <input checked="" type="checkbox"/> 1 5 (Describe) <u>Slightly turbid (reddish brown)</u> | Clear <input type="checkbox"/> 2 0 Turbid <input checked="" type="checkbox"/> 2 5 (Describe) <u>Moderately turbid (reddish brown)</u> |
| Fill in if drilling fluids were used and well is at solid waste facility: | | |
| 14. Total suspended solids | mg/l | mg/l |
| 15. COD | mg/l | mg/l |

16. Well developed by: Person's Name and Firm

Noelle Scelina
Barr Engineering

17. Additional comments on development:

Facility Address or Owner/Responsible Party Address

Name: Karl Beaster

Firm: Enbridge Energy

Street: 1320 Grand Ave.

City/State/Zip: Superior, WI 54880

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

Signature: *Noelle Scelina*

Print Name: Noelle Scelina

Firm: Barr Engineering Co.

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

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

| | | | |
|--|--------------------------|----------------------------|-----------------|
| Facility/Project Name Enbridge Groundwater Monitoring Program | County Douglas | Well Name MW-25A | |
| Facility License, Permit or Monitoring Number Enbridge Superior Terminal | County Code 16 | Wis. Unique Well Number | DNR Well Number |

1. Can this well be purged dry? Yes No
2. Well development method:
- surged with bailer and bailed 4 1
 - surged with bailer and pumped 6 1
 - surged with block and bailed 4 2
 - surged with block and pumped 6 2
 - surged with block, bailed, and pumped 7 0
 - compressed air 2 0
 - bailed only 1 0
 - pumped only 5 1
 - pumped slowly 5 0
 - other _____
3. Time spent developing well **10 min.**
4. Depth of well (from top of well casing) **19.1 ft.**
5. Inside diameter of well **2.00 in.**
6. Volume of water in filter pack and well casing **2.6 gal.**
7. Volume of water removed from well **4.5 gal.**
8. Volume of water added (if any) **gal.**
9. Source of water added _____
10. Analysis performed on water added? Yes No
(If yes, attach results)

| | | Before Development | After Development |
|--|----|---|---|
| 11. Depth to Water (from top of well casing) | a. | 2.71 ft. | 17.00 ft. |
| Date | b. | 11/6/2015 | 11/6/2015 |
| Time | c. | 03:05 <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m. | 03:15 <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m. |
| 12. Sediment in well bottom | | inches | inches |
| 13. Water clarity | | Clear <input type="checkbox"/> 1 0 Turbid <input checked="" type="checkbox"/> 1 5 (Describe) <u>Highly turbid (reddish brown)</u> | Clear <input type="checkbox"/> 2 0 Turbid <input checked="" type="checkbox"/> 2 5 (Describe) <u>Highly turbid (reddish brown)</u> |

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

14. Total suspended solids mg/l mg/l

15. COD mg/l mg/l

16. Well developed by: Person's Name and Firm
Noelle Scelina
Barr Engineering

17. Additional comments on development:

| | |
|--|--|
| <p>Facility Address or Owner/Responsible Party Address</p> <p>Name: <u>Karl Beaster</u></p> <p>Firm: <u>Enbridge Energy</u></p> <p>Street: <u>1320 Grand Ave.</u></p> <p>City/State/Zip: <u>Superior, WI 54880</u></p> | <p>I hereby certify that the above information is true and correct to the best of my knowledge.</p> <p>Signature: <u><i>Noelle Scelina</i></u></p> <p>Print Name: <u>Noelle Scelina</u></p> <p>Firm: <u>Barr Engineering Co.</u></p> |
|--|--|

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

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

| | | | |
|--|--------------------------|----------------------------|-----------------|
| Facility/Project Name Enbridge Groundwater Monitoring Program | County Douglas | Well Name MW-25B | |
| Facility License, Permit or Monitoring Number Enbridge Superior Terminal | County Code 16 | Wis. Unique Well Number | DNR Well Number |

1. Can this well be purged dry? Yes No
2. Well development method:
- surged with bailer and bailed 4 1
 - surged with bailer and pumped 6 1
 - surged with block and bailed 4 2
 - surged with block and pumped 6 2
 - surged with block, bailed, and pumped 7 0
 - compressed air 2 0
 - bailed only 1 0
 - pumped only 5 1
 - pumped slowly 5 0
 - other _____
3. Time spent developing well **16 min.**
4. Depth of well (from top of well casing) **49.0 ft.**
5. Inside diameter of well **2.00 in.**
6. Volume of water in filter pack and well casing **5.5 gal.**
7. Volume of water removed from well **7.0 gal.**
8. Volume of water added (if any) _____ gal.
9. Source of water added _____
10. Analysis performed on water added? Yes No
(If yes, attach results)

| | Before Development | After Development |
|--|---|---|
| 11. Depth to Water (from top of well casing) | a. 15.52 ft. | 45.59 ft. |
| Date | b. 11/6/2015 | 11/6/2015 |
| Time | c. 03:33 <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m. | 03:49 <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m. |
| 12. Sediment in well bottom | inches | inches |
| 13. Water clarity | Clear <input type="checkbox"/> 1 0 Turbid <input checked="" type="checkbox"/> 1 5 (Describe) <u>Highly turbid (reddish brown)</u> | Clear <input type="checkbox"/> 2 0 Turbid <input checked="" type="checkbox"/> 2 5 (Describe) <u>Highly turbid (reddish brown)</u> |

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

| | | |
|----------------------------|------|------|
| 14. Total suspended solids | mg/l | mg/l |
| 15. COD | mg/l | mg/l |

16. Well developed by: Person's Name and Firm
Noelle Scelina
Barr Engineering

17. Additional comments on development:

Facility Address or Owner/Responsible Party Address

Name: Karl Beaster

Firm: Enbridge Energy

Street: 1320 Grand Ave.

City/State/Zip: Superior, WI 54880

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

Signature: *Noelle Scelina*

Print Name: Noelle Scelina

Firm: Barr Engineering Co.

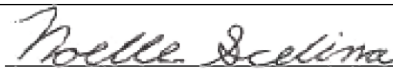
Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

| | | | |
|--|--------------------------|---------------------------|-----------------|
| Facility/Project Name Enbridge Groundwater Monitoring Program | County Douglas | Well Name MW-26 | |
| Facility License, Permit or Monitoring Number Enbridge Superior Terminal | County Code 16 | Wis. Unique Well Number | DNR Well Number |

1. Can this well be purged dry? Yes No
2. Well development method:
- surged with bailer and bailed 4 1
 - surged with bailer and pumped 6 1
 - surged with block and bailed 4 2
 - surged with block and pumped 6 2
 - surged with block, bailed, and pumped 7 0
 - compressed air 2 0
 - bailed only 1 0
 - pumped only 5 1
 - pumped slowly 5 0
 - other _____
3. Time spent developing well **5 min.**
4. Depth of well (from top of well casing) **18.4 ft.**
5. Inside diameter of well **2.00 in.**
6. Volume of water in filter pack and well casing **0.9 gal.**
7. Volume of water removed from well **1.0 gal.**
8. Volume of water added (if any) **gal.**
9. Source of water added _____
10. Analysis performed on water added? Yes No
(If yes, attach results)

| | | Before Development | After Development |
|---|------------|--|--|
| 11. Depth to Water (from top of well casing) | a. | 17.50 ft. | 17.43 ft. |
| Date | b. | 11/13/2015 | 11/6/2015 |
| Time | c. | 02:28 <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m. | 02:33 <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m. |
| 12. Sediment in well bottom | | inches | inches |
| 13. Water clarity | Clear | <input type="checkbox"/> 1 0 | Clear <input type="checkbox"/> 2 0 |
| | Turbid | <input checked="" type="checkbox"/> 1 5 | Turbid <input checked="" type="checkbox"/> 2 5 |
| | (Describe) | <u>Slightly turbid</u> <u>(reddish brown)</u> | <u>Slightly turbid</u> <u>(reddish brown)</u> |
| Fill in if drilling fluids were used and well is at solid waste facility: | | | |
| 14. Total suspended solids | | mg/l | mg/l |
| 15. COD | | mg/l | mg/l |
| 16. Well developed by: Person's Name and Firm | | | |
| | | Noelle Scelina Barr Engineering | |

17. Additional comments on development:
Analytical samples were collected 10 minutes after well was developed.

| | |
|---|--|
| Facility Address or Owner/Responsible Party Address Name: <u>Karl Beaster</u> Firm: <u>Enbridge Energy</u> Street: <u>1320 Grand Ave.</u> City/State/Zip: <u>Superior, WI 54880</u> | I hereby certify that the above information is true and correct to the best of my knowledge. Signature: <u></u> Print Name: <u>Noelle Scelina</u> Firm: <u>Barr Engineering Co.</u> |
|---|--|

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

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

| | | | |
|--|--------------------------|---------------------------|-----------------|
| Facility/Project Name Enbridge Groundwater Monitoring Program | County Douglas | Well Name MW-5B | |
| Facility License, Permit or Monitoring Number Enbridge Superior Terminal | County Code 16 | Wis. Unique Well Number | DNR Well Number |

1. Can this well be purged dry? Yes No
2. Well development method:
- surged with bailer and bailed 4 1
 - surged with bailer and pumped 6 1
 - surged with block and bailed 4 2
 - surged with block and pumped 6 2
 - surged with block, bailed, and pumped 7 0
 - compressed air 2 0
 - bailed only 1 0
 - pumped only 5 1
 - pumped slowly 5 0
 - other _____
3. Time spent developing well **10 min.**
4. Depth of well (from top of well casing) **58.5 ft.**
5. Inside diameter of well **2.00 in.**
6. Volume of water in filter pack and well casing **0.4 gal.**
7. Volume of water removed from well **0.8 gal.**
8. Volume of water added (if any) **gal.**
9. Source of water added _____
10. Analysis performed on water added? Yes No
(If yes, attach results)

| | Before Development | After Development |
|---|---|---|
| 11. Depth to Water (from top of well casing) | a. 56.33 ft. | 58.22 ft. |
| Date | b. 11/13/2015 | 11/13/2015 |
| Time | c. 03:20 <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m. | 03:30 <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m. |
| 12. Sediment in well bottom | inches | inches |
| 13. Water clarity | Clear <input type="checkbox"/> 1 0 Turbid <input checked="" type="checkbox"/> 1 5 (Describe) <u>Slightly turbid (reddish brown)</u> | Clear <input type="checkbox"/> 2 0 Turbid <input checked="" type="checkbox"/> 2 5 (Describe) <u>Slightly turbid (reddish brown)</u> |
| Fill in if drilling fluids were used and well is at solid waste facility: | | |
| 14. Total suspended solids | mg/l | mg/l |
| 15. COD | mg/l | mg/l |

16. Well developed by: Person's Name and Firm

Noelle Scelina
Barr Engineering

17. Additional comments on development:
Analytical samples were collected 10 minutes after well was developed.

Facility Address or Owner/Responsible Party Address

Name: Karl Beaster

Firm: Enbridge Energy

Street: 1320 Grand Ave.

City/State/Zip: Superior, WI 54880

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

Signature: *Noelle Scelina*

Print Name: Noelle Scelina

Firm: Barr Engineering Co.

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

| | | |
|--|--------------------------|--|
| Facility/Project Name Enbridge Groundwater Monitoring Program | County Douglas | Well Name MW-6B |
| Facility License, Permit or Monitoring Number Enbridge Superior Terminal | County Code 16 | Wis. Unique Well Number DNR Well Number |

1. Can this well be purged dry? Yes No
2. Well development method:
- surged with bailer and bailed 4 1
 - surged with bailer and pumped 6 1
 - surged with block and bailed 4 2
 - surged with block and pumped 6 2
 - surged with block, bailed, and pumped 7 0
 - compressed air 2 0
 - bailed only 1 0
 - pumped only 5 1
 - pumped slowly 5 0
 - other _____
3. Time spent developing well **22 min.**
4. Depth of well (from top of well casing) **57.8 ft.**
5. Inside diameter of well **2.00 in.**
6. Volume of water in filter pack and well casing **1.0 gal.**
7. Volume of water removed from well **4.0 gal.**
8. Volume of water added (if any) **gal.**
9. Source of water added _____
10. Analysis performed on water added? Yes No
(If yes, attach results)

- | | | Before Development | After Development |
|---|------------|--|--|
| 11. Depth to Water (from top of well casing) | a. | 51.56 ft. | 57.64 ft. |
| Date | b. | 11/5/2015 | 11/5/2015 |
| Time | c. | 02:33 <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m. | 02:55 <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m. |
| 12. Sediment in well bottom | | inches | inches |
| 13. Water clarity | Clear | <input type="checkbox"/> 1 0 | Clear <input type="checkbox"/> 2 0 |
| | Turbid | <input checked="" type="checkbox"/> 1 5 | Turbid <input checked="" type="checkbox"/> 2 5 |
| | (Describe) | <u>Highly turbid</u> <u>(reddish brown)</u> | <u>Highly turbid</u> <u>(reddish brown)</u> |
| Fill in if drilling fluids were used and well is at solid waste facility: | | | |
| 14. Total suspended solids | | mg/l | mg/l |
| 15. COD | | mg/l | mg/l |

16. Well developed by: Person's Name and Firm
Noelle Scelina
Barr Engineering

17. Additional comments on development:

Facility Address or Owner/Responsible Party Address

Name: Karl Beaster

Firm: Enbridge Energy

Street: 1320 Grand Ave.

City/State/Zip: Superior, WI 54880

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

Signature: *Noelle Scelina*

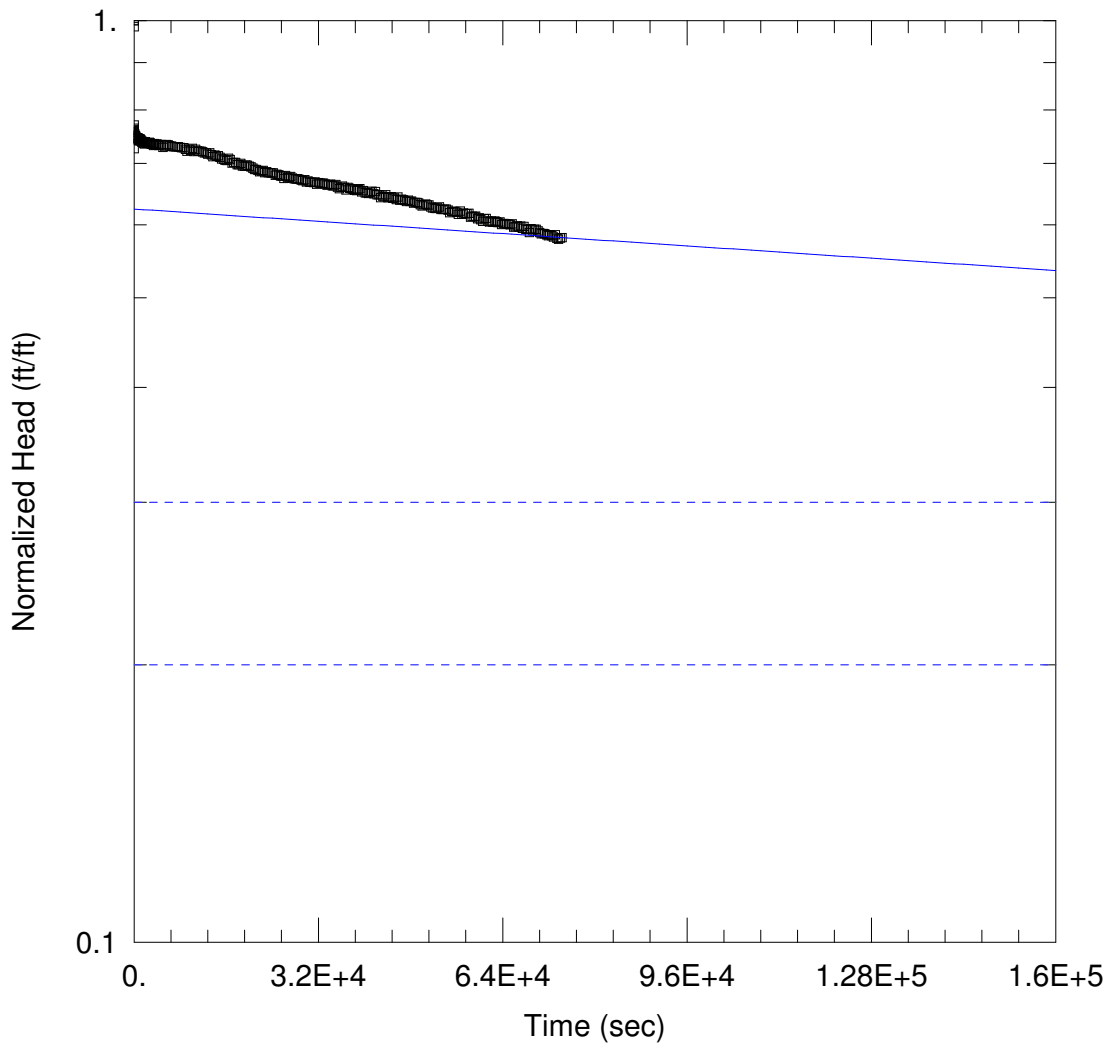
Print Name: Noelle Scelina

Firm: Barr Engineering Co.

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

Appendix C

AQTESOLV Reports for Slug Test Analyses



SLUG IN TEST AT MW-19A

Data Set: P:\...\MW-19A_br.aqt
 Date: 12/28/15

Time: 11:37:34

PROJECT INFORMATION

Company: Barr Engineering
 Client: Enbridge
 Project: 49161336
 Location: Superior, WI
 Test Well: MW-19A
 Test Date: 11/05/2015

AQUIFER DATA

Saturated Thickness: 60. ft

Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (MW-19A)

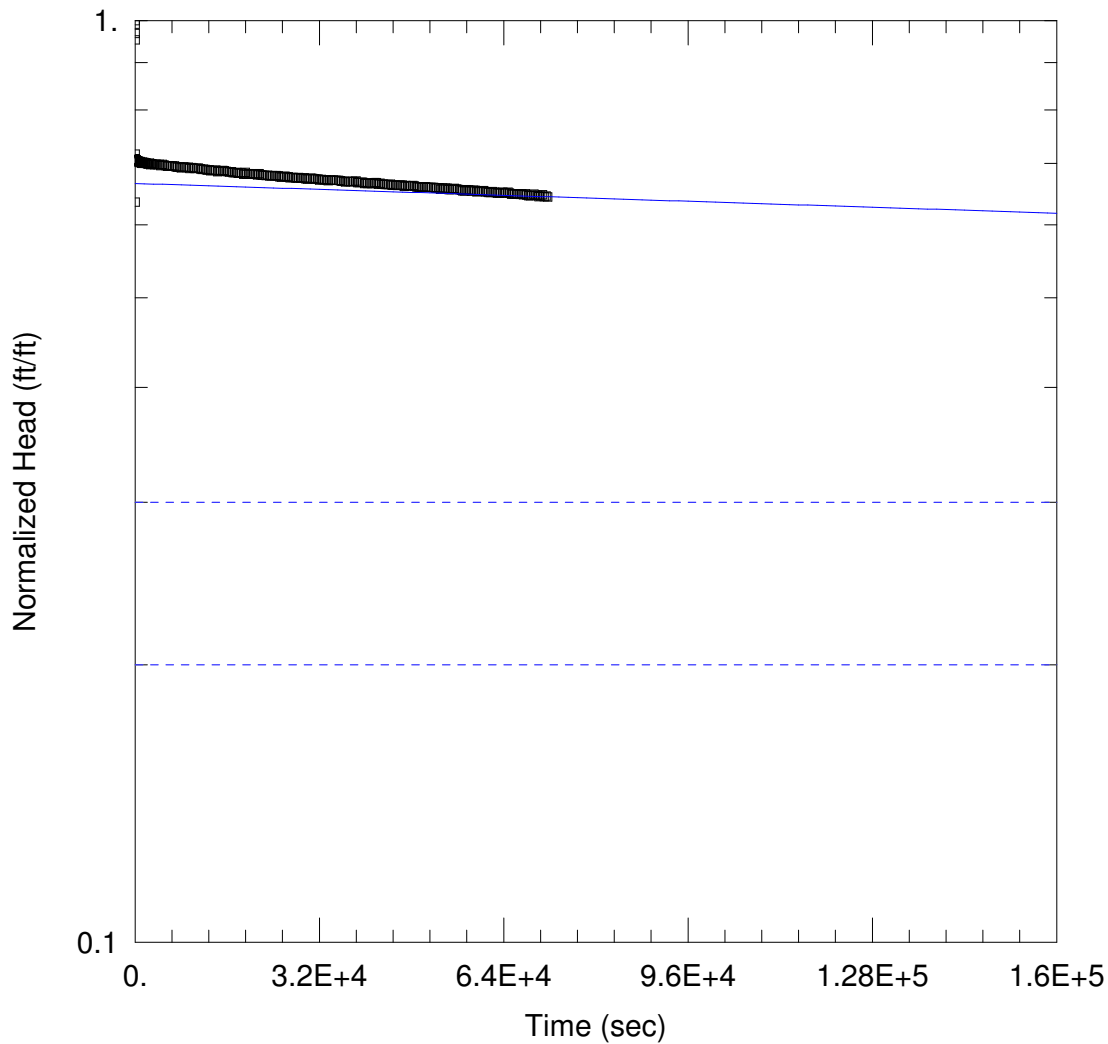
Initial Displacement: 2.035 ft
 Total Well Penetration Depth: 20.68 ft
 Casing Radius: 0.0833 ft

Static Water Column Height: 20.68 ft
 Screen Length: 10. ft
 Well Radius: 0.3333 ft

SOLUTION

Aquifer Model: Unconfined
 K = 7.702E-5 ft/day

Solution Method: Bower-Rice
 y0 = 1.27 ft



SLUG IN TEST AT MW-19B

Data Set: P:\...\MW-19B_br.aqt
 Date: 12/28/15

Time: 11:40:13

PROJECT INFORMATION

Company: Barr Engineering
 Client: Enbridge
 Project: 49161336
 Location: Superior, WI
 Test Well: MW-19B
 Test Date: 11/05/2015

AQUIFER DATA

Saturated Thickness: 60 ft

Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (MW-19B)

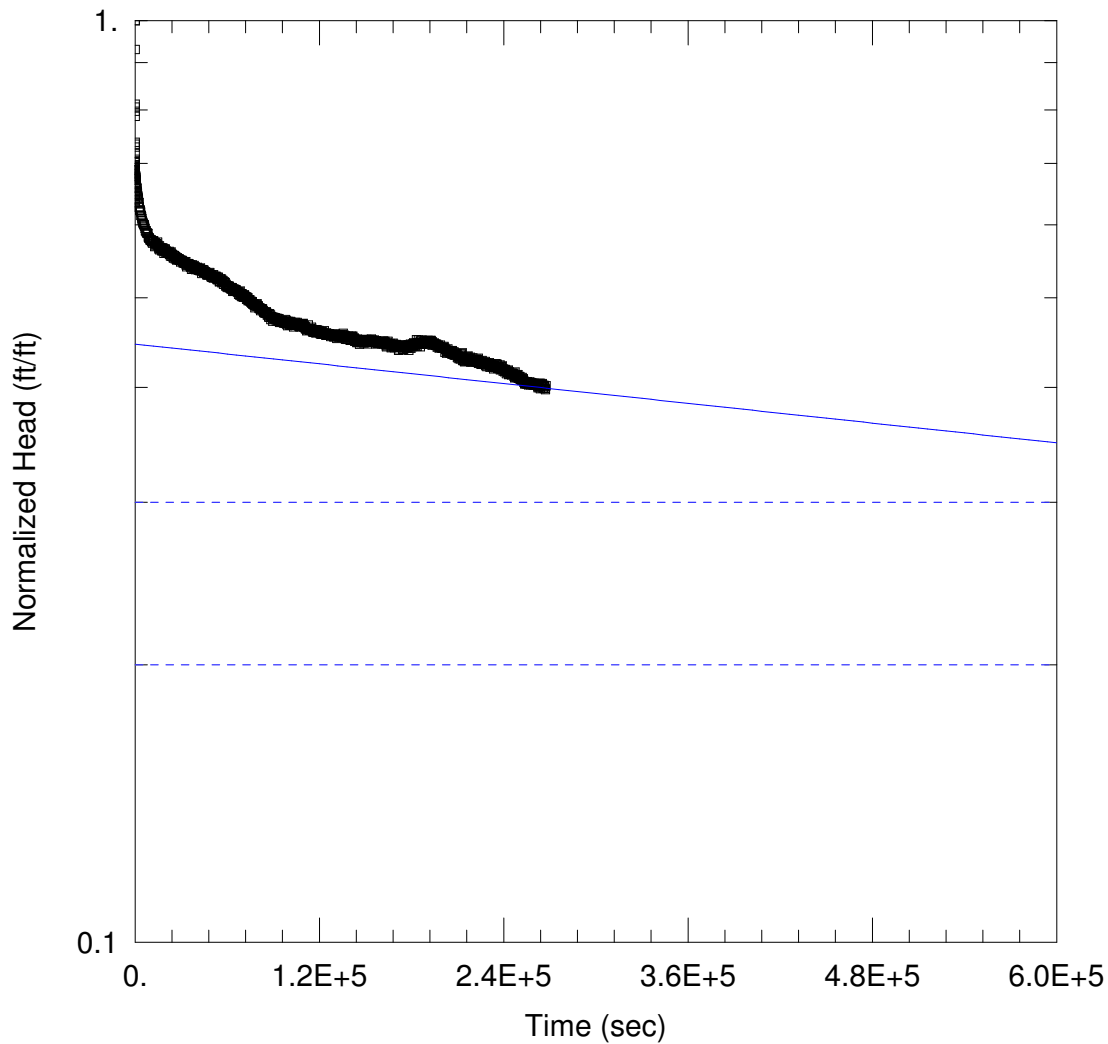
Initial Displacement: 3.752 ft
 Total Well Penetration Depth: 48.78 ft
 Casing Radius: 0.0833 ft

Static Water Column Height: 48.78 ft
 Screen Length: 5 ft
 Well Radius: 0.3333 ft

SOLUTION

Aquifer Model: Unconfined
 K = 7.374E-5 ft/day

Solution Method: Bower-Rice
 y0 = 2.498 ft



SLUG IN TEST AT MW-20A

Data Set: P:\...\MW-20A_br.aqt
 Date: 12/28/15

Time: 11:38:16

PROJECT INFORMATION

Company: Barr Engineering
 Client: Enbridge
 Project: 49161336
 Location: Superior, WI
 Test Well: MW-20A
 Test Date: 11/06/2015

AQUIFER DATA

Saturated Thickness: 60. ft

Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (MW-20A)

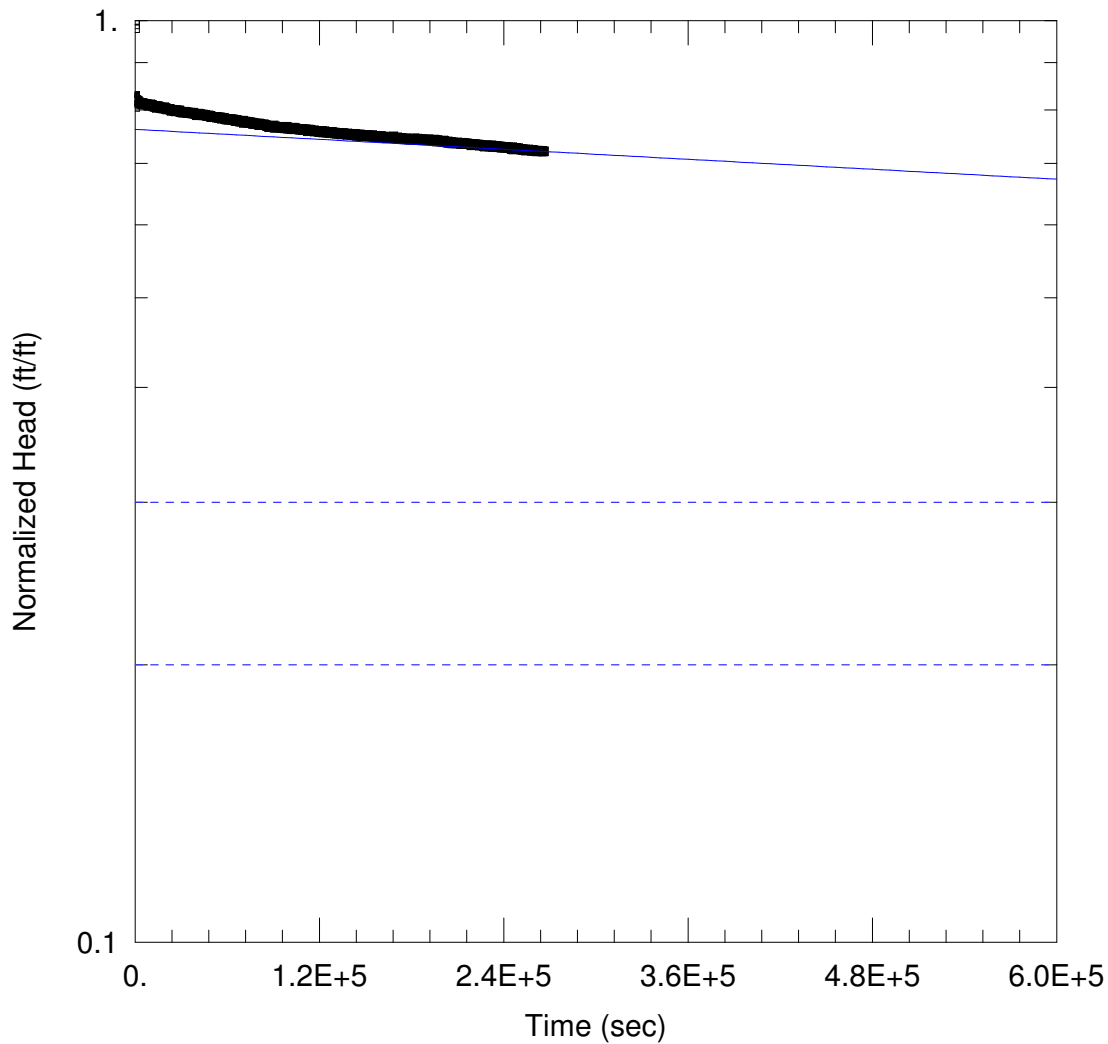
Initial Displacement: 2.098 ft
 Total Well Penetration Depth: 18.91 ft
 Casing Radius: 0.0833 ft

Static Water Column Height: 18.91 ft
 Screen Length: 10. ft
 Well Radius: 0.3333 ft

SOLUTION

Aquifer Model: Unconfined
 K = 3.252E-5 ft/day

Solution Method: Bower-Rice
 y0 = 0.9346 ft



SLUG IN TEST AT MW-20B

Data Set: P:\...\MW-20B_br.aqt

Date: 12/28/15

Time: 11:39:18

PROJECT INFORMATION

Company: Barr Engineering

Client: Enbridge

Project: 49161336

Location: Superior, WI

Test Well: MW-20B

Test Date: 11/06/2015

AQUIFER DATA

Saturated Thickness: 60. ft

Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (MW-20B)

Initial Displacement: 3.129 ft

Static Water Column Height: 43.3 ft

Total Well Penetration Depth: 43.3 ft

Screen Length: 5. ft

Casing Radius: 0.0833 ft

Well Radius: 0.3333 ft

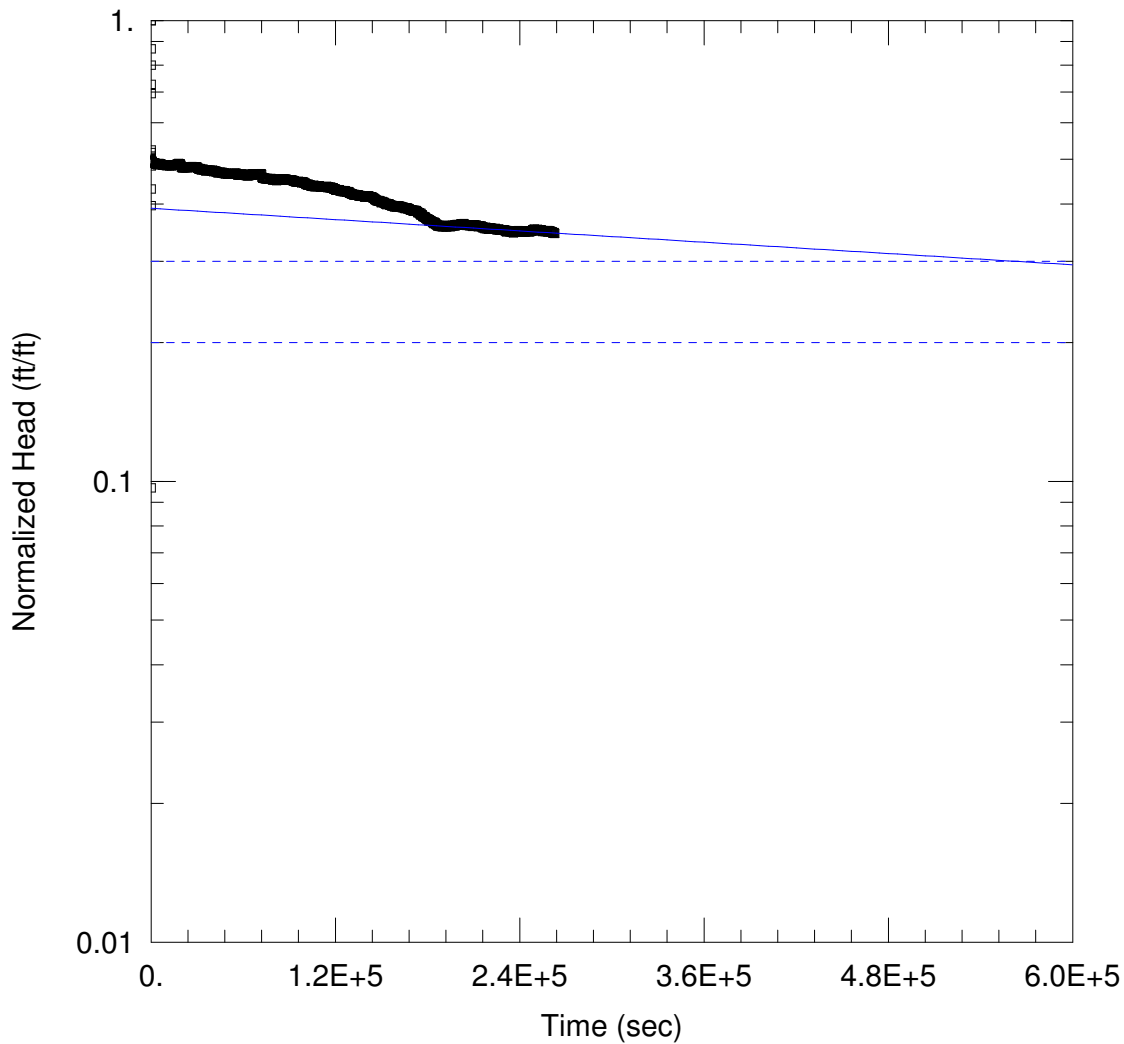
SOLUTION

Aquifer Model: Unconfined

Solution Method: Bower-Rice

K = 3.199E-5 ft/day

y0 = 2.384 ft



SLUG IN TEST AT MW-21A

Data Set: P:\...\MW-21A_br.aqt

Date: 12/28/15

Time: 11:48:29

PROJECT INFORMATION

Company: Barr Engineering

Client: Enbridge

Project: 49161336

Location: Superior, WI

Test Well: MW-21A

Test Date: 11/06/2015

AQUIFER DATA

Saturated Thickness: 60. ft

Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (MW-21A)

Initial Displacement: 4.05 ft

Static Water Column Height: 19.55 ft

Total Well Penetration Depth: 19.55 ft

Screen Length: 10. ft

Casing Radius: 0.0833 ft

Well Radius: 0.3333 ft

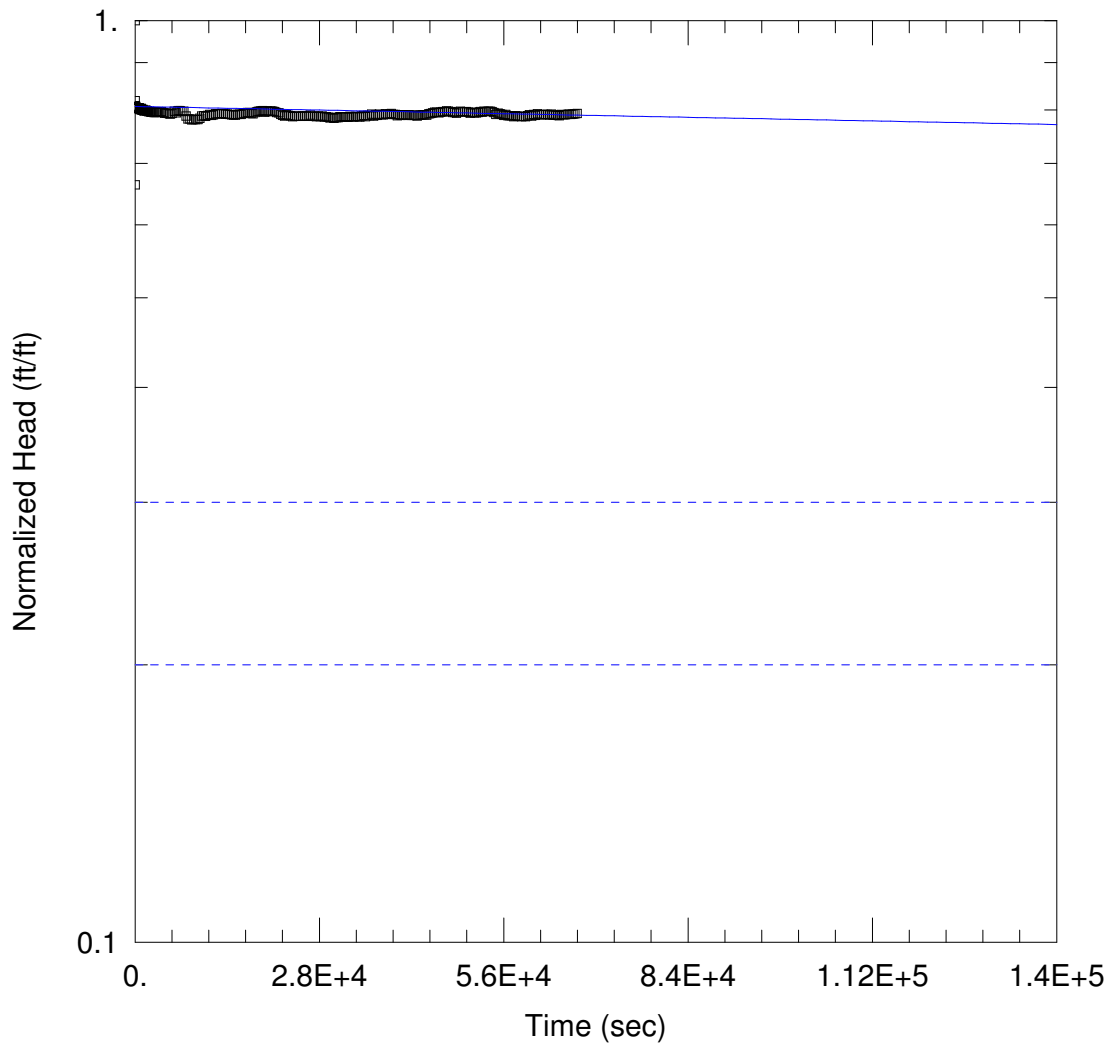
SOLUTION

Aquifer Model: Unconfined

Solution Method: Bower-Rice

K = 3.745E-5 ft/day

y0 = 1.585 ft



SLUG IN TEST AT MW-21B

Data Set: P:\...\MW-21B_br.aqt

Date: 12/28/15

Time: 11:44:20

PROJECT INFORMATION

Company: Barr Engineering

Client: Enbridge

Project: 49161336

Location: Superior, WI

Test Well: MW-21B

Test Date: 11/05/2015

AQUIFER DATA

Saturated Thickness: 60. ft

Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (MW-21B)

Initial Displacement: 3.178 ft

Static Water Column Height: 43.51 ft

Total Well Penetration Depth: 43.51 ft

Screen Length: 5. ft

Casing Radius: 0.0833 ft

Well Radius: 0.3333 ft

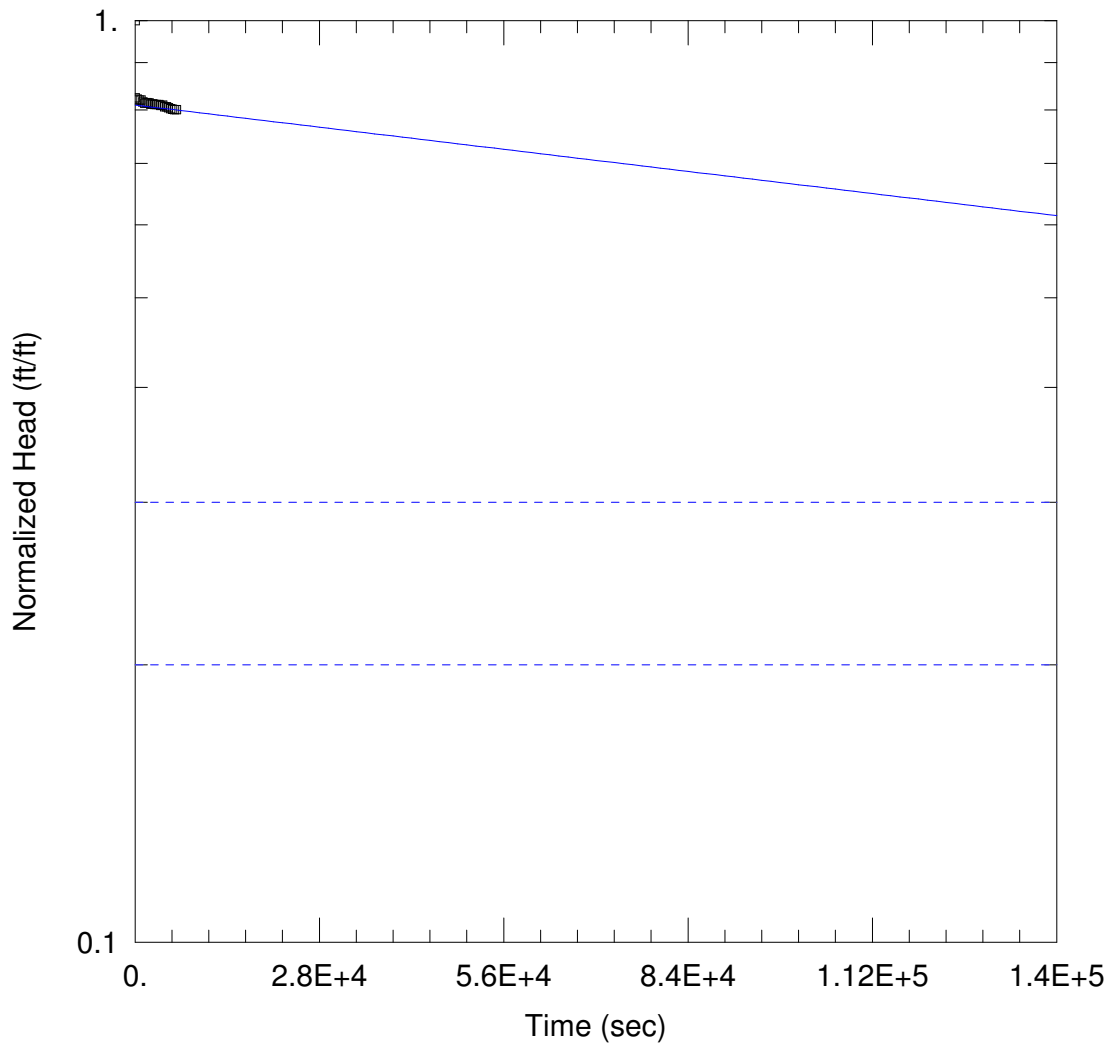
SOLUTION

Aquifer Model: Unconfined

Solution Method: Bower-Rice

K = 4.978E-5 ft/day

y0 = 2.564 ft



SLUG OUT TEST AT MW-21B

Data Set: P:\...\MW-21B_out.aqt

Date: 12/28/15

Time: 11:46:46

PROJECT INFORMATION

Company: Barr Engineering

Client: Enbridge

Project: 49161336

Location: Superior, WI

Test Well: MW-21B

Test Date: 11/06/2015

AQUIFER DATA

Saturated Thickness: 60. ft

Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (MW-21B)

Initial Displacement: 3.178 ft

Static Water Column Height: 43.51 ft

Total Well Penetration Depth: 43.51 ft

Screen Length: 5. ft

Casing Radius: 0.0833 ft

Well Radius: 0.3333 ft

SOLUTION

Aquifer Model: Unconfined

Solution Method: Bower-Rice

K = 0.0003047 ft/day

y0 = 2.573 ft

Appendix D

Laboratory Permeability Reports

Hydraulic Conductivity Test Data ASTM D5084

Project: Superior Terminal, Barr project #49161333 Date: 11/16/2015

Reported To: American Engineering Testing, Inc. Job No.: 10104

| | | | | | | | |
|-----------------------------------|--------------------|---------------|--|---------------|-------|--|--|
| Boring No.: | MW-24 | MW-24 | MW-25 | MW-25 | | | |
| Sample No.: | A | B | A | B | | | |
| Depth (ft): | 6-8 | 40-42 | 6-8 | 40-42 | | | |
| Location: | | | | | | | |
| Sample Type: | 3T | 3T | 3T | 3T | | | |
| Soil Type: | Fat Clay (CH) | Fat Clay (CH) | Fat Clay w/ an occasional piece of gravel (CH) | Fat Clay (CH) | | | |
| Atterberg Limits | | | | | | | |
| LL | | | | | | | |
| PL | | | | | | | |
| PI | | | | | | | |
| Permeability Test | Intact | Intact | Intact | Intact | | | |
| Before Test Conditions: | Saturation %: | | | | | | |
| | Porosity: | | | | | | |
| | Ht. (in): | 2.19 | 2.39 | 1.55 | 2.06 | | |
| | Dia. (in): | 2.87 | 2.88 | 2.87 | 2.87 | | |
| | Dry Density (pcf): | 91.2 | 77.6 | 87.1 | 71.8 | | |
| | Water Content: | 31.9% | 44.4% | 35.7% | 51.1% | | |
| Test Type: | Falling Head | Falling Head | Falling Head | Falling Head | | | |
| Max Head (ft.): | 5.0 | 5.0 | 5.0 | 5.0 | | | |
| Confining press. (Effective-psi): | 2.0 | 2.0 | 2.0 | 2.0 | | | |
| Trial No.: | 9-13 | 9-13 | 9-13 | 9-13 | | | |
| Water Temp °C: | 22.0 | 22.0 | 22.0 | 22.0 | | | |
| % Compaction | | | | | | | |
| % Saturation (After Test) | 99.3% | 99.7% | 99.2% | 99.8% | | | |

Coefficient of Permeability

| | | | | | | | |
|--------------------|----------------------|----------------------|----------------------|----------------------|--|--|--|
| K @ 20 °C (cm/sec) | 2.9×10^{-8} | 1.1×10^{-8} | 1.5×10^{-8} | 1.5×10^{-8} | | | |
| K @ 20 °C (ft/min) | 5.7×10^{-8} | 2.2×10^{-8} | 3.0×10^{-8} | 3.0×10^{-8} | | | |

Notes:



AMERICAN
ENGINEERING
TESTING, INC.

CONSULTANTS
• ENVIRONMENTAL
• GEOTECHNICAL
• MATERIALS
• FORENSICS

REPORT OF DRY DENSITY AND PERMEABILITY

PROJECT: ENBRIDGE GMP
SUPERIOR, WISCONSIN
BARR PROJECT #49/16-1256

REPORTED TO: BARR ENGINEERING
ATTN: LYNETTE CARNEY

AET JOB NO.: 07-05867

DATE: JANUARY 9, 2014

| Sample I.D. | Depth | Dry Density | Permeability (cm/sec) |
|-------------|---------|-------------|--------------------------|
| MW-11B | 49-51 | 71.7 | 3.70×10^{-8} |
| MW-19A | 16-18 | 68.1 | 2.74×10^{-8} |
| MW-20A | 16-18 | 89.2 | 1.52×10^{-8} |
| MW-21B | 53-54.5 | 82.6 | 2.46×10^{-8} |



Appendix E

Hazen Methods Calculations and Laboratory Grain Size Reports

HYDRAULIC CONDUCTIVITY

Hazen Method

The Hazen Method was used to calculate an estimated hydraulic conductivity based on the grain size analysis of six soil samples collected from four separate 2013 soil borings. Three shallow grain size samples were analyzed from depths ranging between 14 to 16 feet bgs and three deeper samples were analyzed from depths ranging between 42 and 58 feet bgs. The Hazen Method equation can be found below. The d_{10} value for each depth range was calculated from the average of the three grain size analyses. The coefficient, C, was selected from the table of values listed on page 86 of the 4th Edition of *Applied Hydrogeology* by Fetter (2001).

$$K=C(d_{10})^2$$

SHALLOW SAMPLES

| | |
|----------------------------------|-----------------------------------|
| Soil Boring SB-19B (14 feet bgs) | $d_{10} = 0.00001$ mm (0.0001 cm) |
| Soil Boring SB-20B (14 feet bgs) | $d_{10} = 0.00004$ mm (0.0004 cm) |
| Soil Boring SB-21A (16 feet bgs) | $d_{10} = 0.00004$ mm (0.0004 cm) |

DEEP SAMPLES

| | |
|----------------------------------|-----------------------------------|
| Soil Boring SB-17B (42 feet bgs) | $d_{10} = 0.0002$ mm (0.002 cm) |
| Soil Boring SB-19B (58 feet bgs) | $d_{10} = 0.00003$ mm (0.0003 cm) |
| Soil Boring SB-20B (54 feet bgs) | $d_{10} = 0.00008$ mm (0.0008 cm) |

D10 values for the three shallow soil samples were extrapolated from the hydrometer grain size analysis graphs and the average 10% grain size was 0.0003 cm. The hydraulic conductivity calculation follows.

Given a $d_{10ave} = 0.0003$ cm and $C = 20$, it follows that

$$K_{ave} = 20(0.0003 \text{ cm})^2 \text{ or,}$$

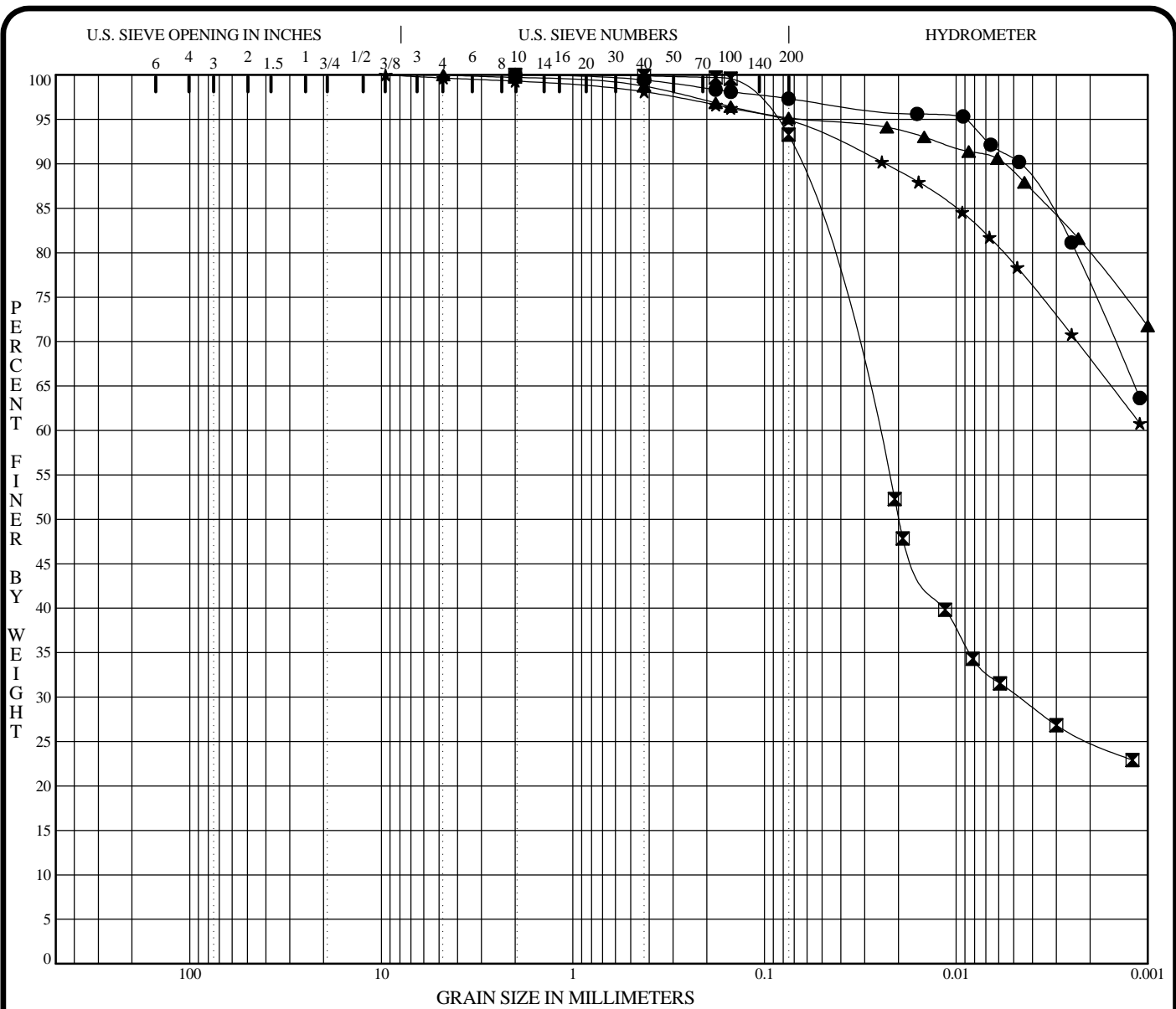
$$K_{ave} = 1.8 \times 10^{-6} \text{ cm/sec or } 0.0051 \text{ feet/day.}$$

D10 values for the three deep soil samples were extrapolated from the hydrometer grain size analysis graphs and the average 10% grain size was 0.001 cm. The hydraulic conductivity calculation follows.

Given a $d_{10ave} = 0.001$ cm and $C = 20$, it follows that

$$K_{ave} = 20(0.001 \text{ cm})^2 \text{ or,}$$

$$K_{ave} = 2.0 \times 10^{-5} \text{ cm/sec or } 0.057 \text{ feet/day.}$$



| COBBLES | GRAVEL | | SAND | | | SILT OR CLAY |
|---------|--------|------|--------|--------|------|--------------|
| | coarse | fine | coarse | medium | fine | |

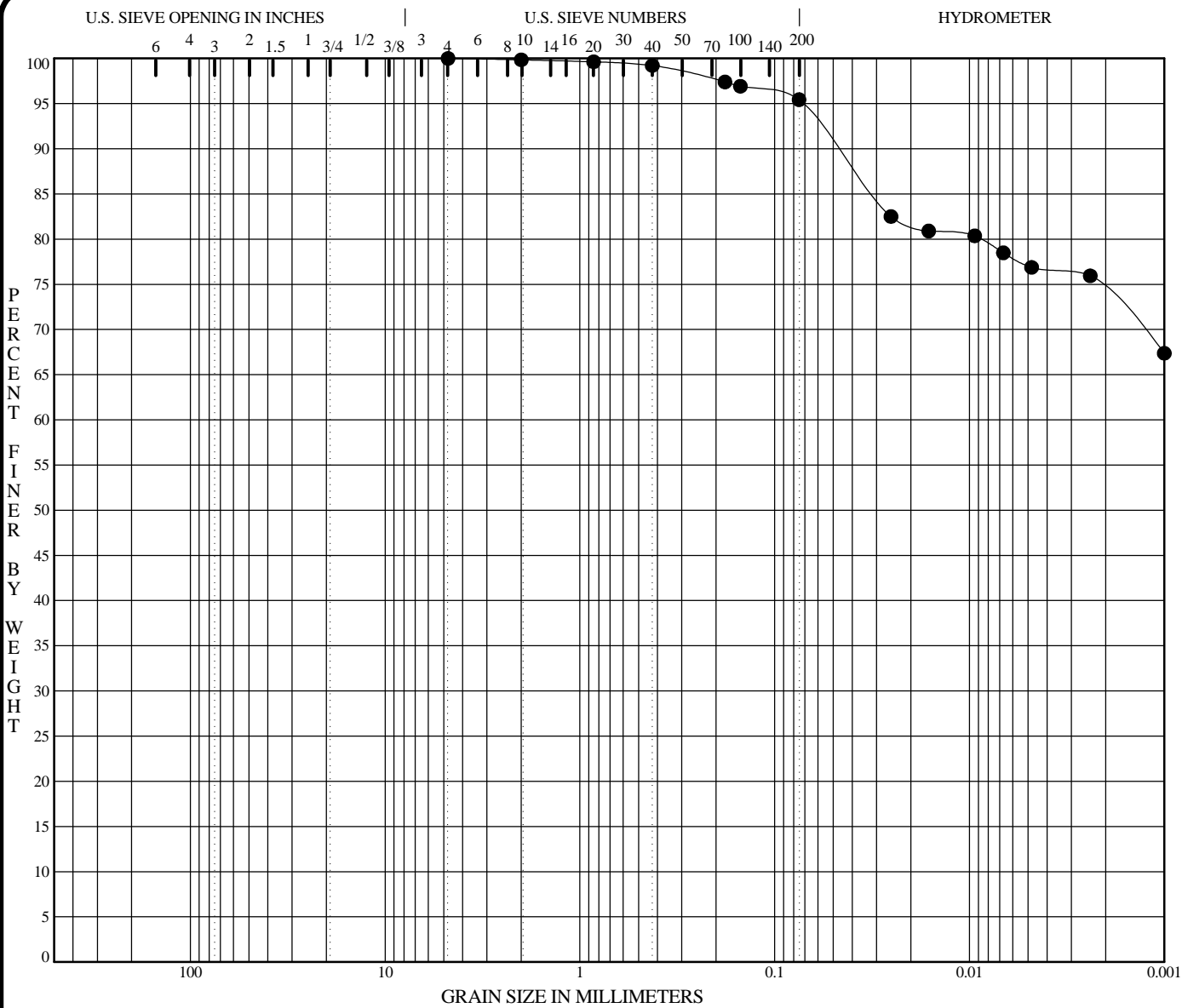
| Specimen Identification | Classification | MC% | LL | PL | PI | Cc | Cu |
|-------------------------|----------------|-----|----|----|----|----|----|
| ● MW-24A 10.0 | Fat Clay (CH) | 42 | | | | | |
| ☒ MW-24B 45.0 | Lean Clay (CL) | 21 | | | | | |
| ▲ MW-25A 10.0 | Fat Clay (CH) | 47 | | | | | |
| ★ MW-25B 45.0 | Fat Clay (CH) | 44 | | | | | |

| Specimen Identification | D100 | D60 | D30 | D10 | %Gravel | %Sand | %Silt | %Clay |
|-------------------------|------|------|-------|-----|---------|-------|-------|-------|
| ● MW-24A 10.0 | 2.00 | | | | 0.0 | 2.7 | 6.8 | 90.6 |
| ☒ MW-24B 45.0 | 2.00 | 0.03 | 0.005 | | 0.0 | 6.7 | 62.9 | 30.4 |
| ▲ MW-25A 10.0 | 4.75 | | | | 0.0 | 4.8 | 6.2 | 89.0 |
| ★ MW-25B 45.0 | 9.50 | | | | 0.3 | 4.7 | 16.2 | 78.8 |

PROJECT **Groundwater Monitoring; Barr Project No. 49/16-1333** JOB NO. **07-06492**
 DATE **10/29/15**



GRADATION CURVES



| | | | | | | |
|---------|--------|------|--------|--------|------|--------------|
| COBBLES | GRAVEL | | SAND | | | SILT OR CLAY |
| | coarse | fine | coarse | medium | fine | |

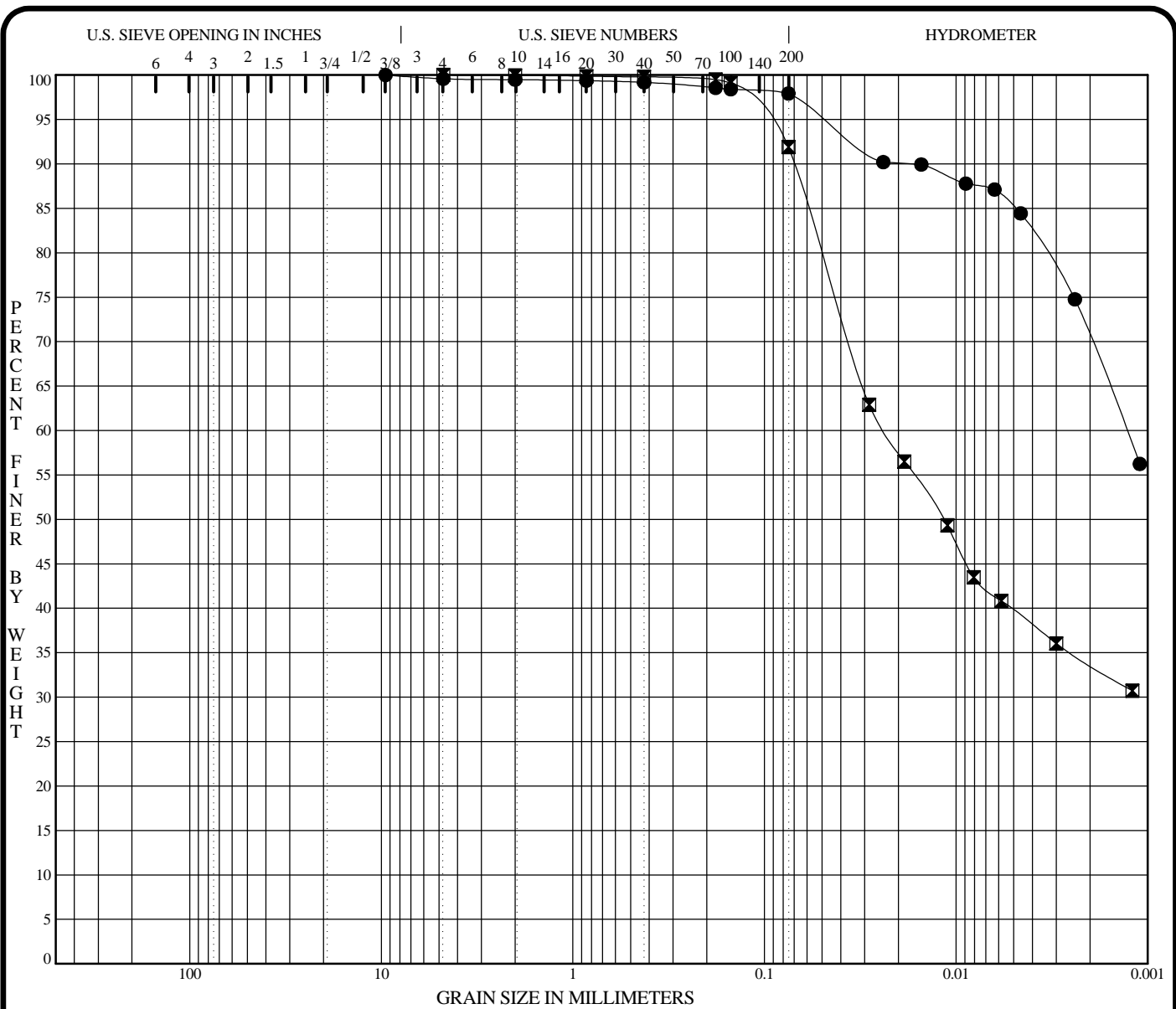
| Specimen Identification | Classification | MC% | LL | PL | PI | Cc | Cu |
|-------------------------|------------------------------|-----|----|----|----|----|----|
| ● MW-21A 16.0 | Fat Clay, a little sand (CH) | 45 | | | | | |
| | | | | | | | |
| | | | | | | | |

| Specimen Identification | D100 | D60 | D30 | D10 | %Gravel | %Sand | %Silt | %Clay |
|-------------------------|------|-----|-----|-----|---------|-------|-------|-------|
| ● MW-21A 16.0 | 4.75 | | | | 0.0 | 4.6 | 18.4 | 77.1 |
| | | | | | | | | |
| | | | | | | | | |

PROJECT **Enbridge GMP; Barr Project #49/16-1256;** JOB NO. **07-05867**
Superior, WI DATE **12/10/13**



GRADATION CURVES



| COBBLES | GRAVEL | | SAND | | | SILT OR CLAY |
|---------|--------|------|--------|--------|------|--------------|
| | coarse | fine | coarse | medium | fine | |

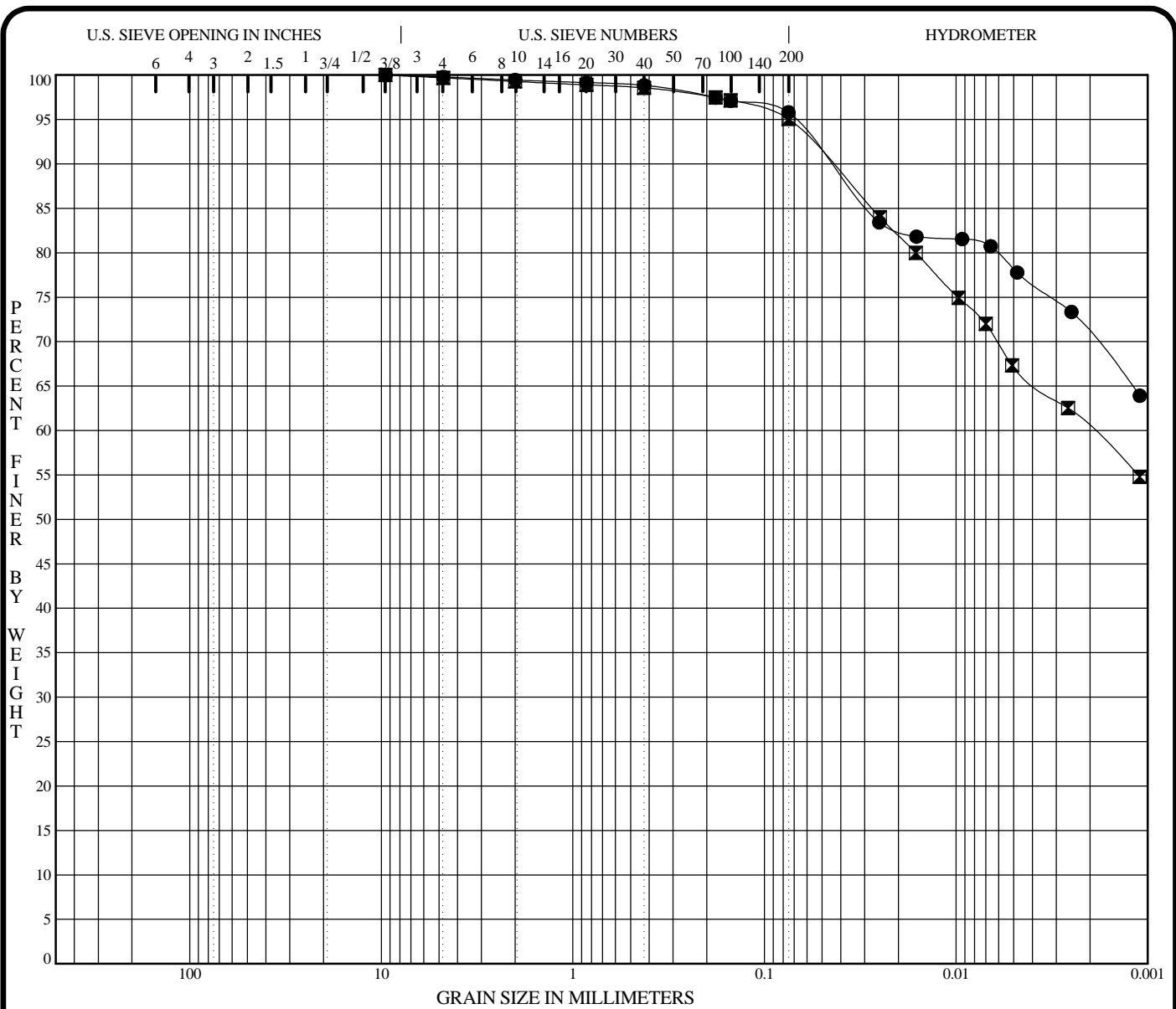
| Specimen Identification | Classification | MC% | LL | PL | PI | Cc | Cu |
|-------------------------|----------------|-----|----|----|----|----|----|
| ● MW-19B 14.0 | Fat Clay (CH) | 41 | | | | | |
| ☒ MW-19B 58.0 | Lean Clay (CL) | 23 | | | | | |
| | | | | | | | |

| Specimen Identification | D100 | D60 | D30 | D10 | %Gravel | %Sand | %Silt | %Clay |
|-------------------------|------|------|-----|-----|---------|-------|-------|-------|
| ● MW-19B 14.0 | 9.50 | 0.00 | | | 0.4 | 1.7 | 12.8 | 85.1 |
| ☒ MW-19B 58.0 | 4.75 | 0.02 | | | 0.0 | 8.1 | 52.2 | 39.7 |
| | | | | | | | | |

PROJECT **Enbridge GMP; Barr Project #49/16-1256;** SUPERIOR, WI
 JOB NO. **07-05867**
 DATE **12/10/13**



GRADATION CURVES



| COBBLES | GRAVEL | | SAND | | | SILT OR CLAY |
|---------|--------|------|--------|--------|------|--------------|
| | coarse | fine | coarse | medium | fine | |

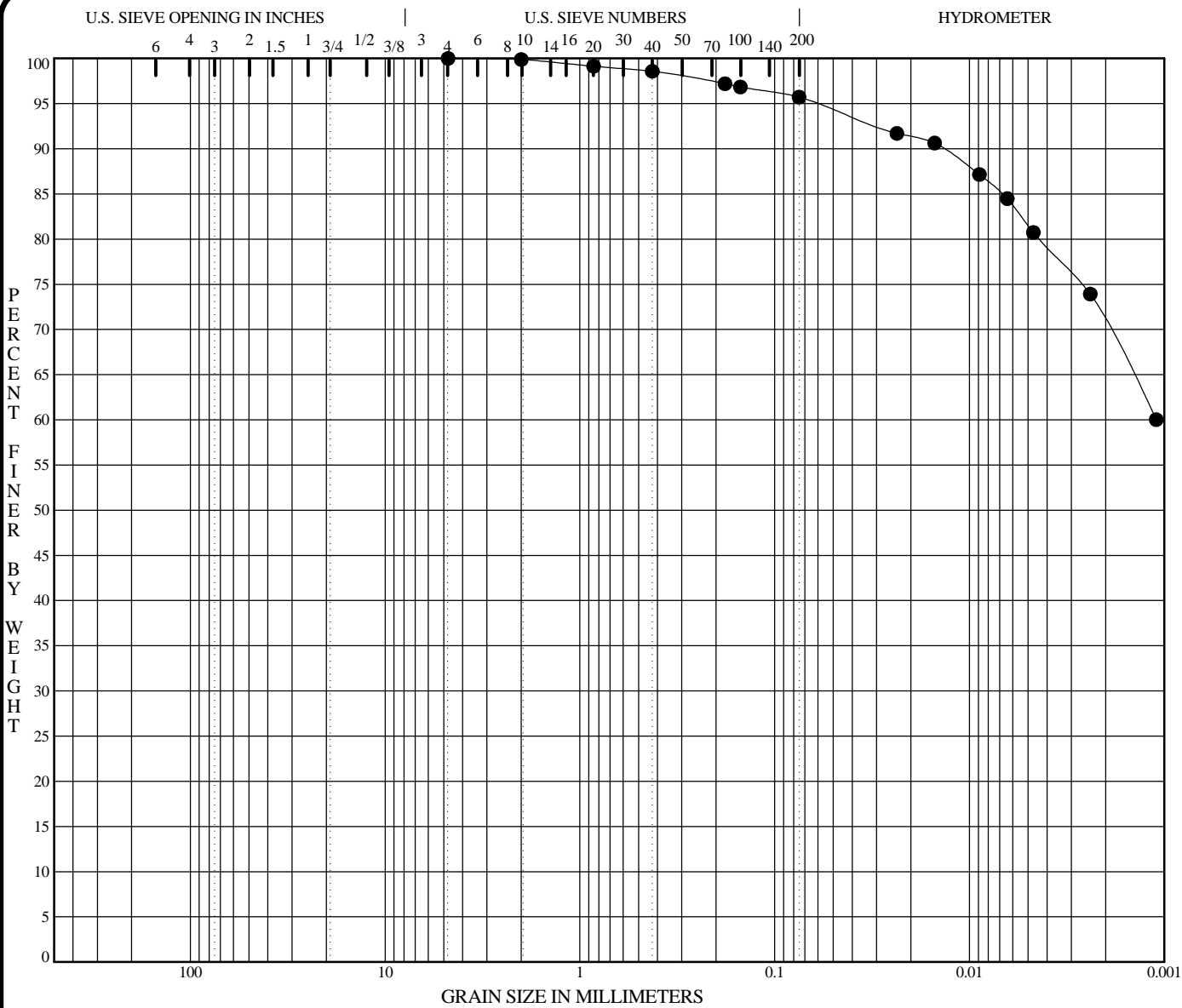
| Specimen Identification | Classification | MC% | LL | PL | PI | Cc | Cu |
|-------------------------|------------------------------|-----|----|----|----|----|----|
| ● MW-20B 14.0 | Fat Clay, a little sand (CH) | 44 | | | | | |
| ☒ MW-20B 54.0 | Fat Clay, a little sand (CH) | 38 | | | | | |
| | | | | | | | |

| Specimen Identification | D100 | D60 | D30 | D10 | %Gravel | %Sand | %Silt | %Clay |
|-------------------------|------|------|-----|-----|---------|-------|-------|-------|
| ● MW-20B 14.0 | 9.50 | | | | 0.2 | 4.0 | 17.7 | 78.2 |
| ☒ MW-20B 54.0 | 9.50 | 0.00 | | | 0.3 | 4.6 | 27.9 | 67.2 |
| | | | | | | | | |

PROJECT **Enbridge GMP; Barr Project #49/16-1256;** SUPERIOR, WI
 JOB NO. **07-05867**
 DATE **12/10/13**



GRADATION CURVES



| COBBLES | GRAVEL | | SAND | | | SILT OR CLAY |
|---------|--------|------|--------|--------|------|--------------|
| | coarse | fine | coarse | medium | fine | |

| Specimen Identification | Classification | MC% | LL | PL | PI | Cc | Cu |
|-------------------------|------------------------------|-----|----|----|----|----|----|
| ● MW-17B 42.0 | Fat Clay, a little sand (CH) | 41 | | | | | |

| Specimen Identification | D100 | D60 | D30 | D10 | %Gravel | %Sand | %Silt | %Clay |
|-------------------------|------|------|-----|-----|---------|-------|-------|-------|
| ● MW-17B 42.0 | 42.0 | 4.75 | | | 0.0 | 4.3 | 14.2 | 81.5 |

PROJECT **Enbridge GMP; Barr Project #49/16-1256;** JOB NO. **07-05867**
Superior, WI DATE **12/10/13**



GRADATION CURVES

Appendix F

Soil Property Lab Reports – Density, Moisture Content, Organic Matter



AMERICAN
ENGINEERING
TESTING, INC.

CONSULTANTS
• ENVIRONMENTAL
• GEOTECHNICAL
• MATERIALS
• FORENSICS

REPORT OF DRY DENSITY AND PERMEABILITY

PROJECT: ENBRIDGE GMP
SUPERIOR, WISCONSIN
BARR PROJECT #49/16-1256

REPORTED TO: BARR ENGINEERING
ATTN: LYNETTE CARNEY

AET JOB NO.: 07-05867

DATE: JANUARY 9, 2014

| Sample I.D. | Depth | Dry Density | Permeability (cm/sec) |
|-------------|---------|-------------|--------------------------|
| MW-11B | 49-51 | 71.7 | 3.70×10^{-8} |
| MW-19A | 16-18 | 68.1 | 2.74×10^{-8} |
| MW-20A | 16-18 | 89.2 | 1.52×10^{-8} |
| MW-21B | 53-54.5 | 82.6 | 2.46×10^{-8} |



Report of Moisture Content, Dry Density, and Organic Content

GROUNDWATER MONITORING
BARR PROJECT NO. 49/16-1333

BARR ENGINEERING
ATTN: LYNETTE CARNEY

AET PROJECT NO: 07-06492

NOVEMBER 11, 2015

| Boring Number | Depth (feet) | Moisture Content, % | Dry Density, pcf | Organic Content, % | Classification |
|----------------------|---------------------|----------------------------|-------------------------|---------------------------|-----------------------|
| MW-24A | 4-6 | 42.7 | 75.5 | 13.8 | Organic Fat Clay |
| MW-24B | 38-40 | 54.3 | 68.8 | 1.2 | Fat Clay |
| MW-25A | 4-6 | 31.8 | 92.0 | 0.8 | Fat Clay |
| MW-25B | 38-40 | 47.5 | 75.0 | 0.8 | Fat Clay |

Organic Content Test Results

ENBRIDGE GMP
SUPERIOR, WISCONSIN
BARR PROJECT #49/16-1256

BARR ENGINEERING
ATTN: LYNETTE CARNEY

AET JOB NO: 07-05867

DECEMBER 10, 2013

| Boring Number | Depth (feet) | Moisture Content (%) | Organic Content (%) |
|----------------------|---------------------|-----------------------------|----------------------------|
| MW-11B | 49-51 | 49.7 | 1.3 |
| MW-19A | 16-18 | 53.7 | 1.5 |
| MW-20A | 16-18 | 33.1 | 1.0 |
| MW-21B | 53-54.5 | 39.3 | 1.3 |

ASTM: D2974, Test Method C



Appendix G

Groundwater Monitoring Program (GMP) Sampling and Analysis Plan (Version 2.0)

**Groundwater Monitoring Program (GMP) Sampling
and Analysis Plan (Version 2.0)
Superior Terminal Facility**

*Enbridge Superior Terminal
2800 East 21st Street
Superior, Wisconsin*

Prepared for
Enbridge Energy



March 2017



Groundwater Monitoring Program (GMP) Sampling and Analysis Plan (Version 2.0) Superior Terminal Facility

*Enbridge Superior Terminal
2800 East 21st Street
Superior, Wisconsin*

Prepared for
Enbridge Energy



March 2017

Groundwater Monitoring Program (GMP) Sampling and Analysis Plan
(Version 2.0)
Superior Terminal Facility

March 2017

Contents

| | | |
|-------|--|---|
| 1.0 | Introduction and Background..... | 1 |
| 1.1 | Background Information..... | 1 |
| 1.1.1 | Contacts and Addresses | 1 |
| 1.2 | Physical Setting..... | 1 |
| 1.2.1 | Local Geology and Hydrogeology..... | 2 |
| 1.3 | Purpose of Plan | 2 |
| 2.0 | Sampling Parameters, Methods and Analysis..... | 3 |
| 2.1 | Sampling Network..... | 3 |
| 2.1.1 | Parameters | 3 |
| 2.2 | Sampling Methods and Approach..... | 3 |
| 2.2.1 | Sampling Order | 3 |
| 2.2.2 | Monitoring Well Inspection..... | 4 |
| 2.2.3 | Well Purging..... | 5 |
| 2.3 | Sample Analysis..... | 5 |
| 3.0 | Data Assessment and Reporting | 6 |

List of Tables

Table 1 Existing Monitoring Well Network Information

List of Figures

Figure 1 Site Location

Figure 2 LIDAR Contours and Monitoring Well Locations

List of Attachments

Attachment A Pre-Sampling Field Planning and Checklist

1.0 Introduction and Background

This groundwater sampling and analysis plan is specifically designed for the Enbridge Energy Superior Terminal (facility), located in Superior, Wisconsin (Figure 1). This plan includes the information required for routine groundwater sampling as part of the facility-wide groundwater monitoring program (GMP).

Site groundwater monitoring wells have been sampled intermittently since 1999 and annually since 2008. The current monitoring well network consists of 28 wells, as shown on Figure 2. The monitoring network originally consisted of 11 wells. Additional water table wells and piezometers were added to the facility monitoring network 2013 (eight additional) and 2015 (nine additional) at request of the Wisconsin Department of Natural Resources (WDNR) in their letter dated September 14, 2014 as part of their conditional approval of the *Site Investigation and Response Action Plan Enbridge Energy Superior Terminal (Facility-Wide) (SI/RAP)*. The purpose of the facility GMP is to provide sampling methods, parameters and schedule and associated standard operating procedures (SOPs) for the facility. The GMP will allow Enbridge to evaluate risk to groundwater on a facility-wide basis for individual releases at the facility, as described in the SI/RAP.

1.1 Background Information

The site location is shown on Figure 1. The monitoring well network is provided on Figure 2. The terminal consists of pipeline infrastructure and storage facilities occupying approximately 560 acres in Sections 30 and 31, Township 49 North and Range 13 West and Section 36, Township 49 North and Range 14 West, of Douglas County, Wisconsin. The facility is owned and operated by Enbridge Energy LLC which will have ultimate responsibility and authority for all operations and permit requirements.

1.1.1 Contacts and Addresses

Project Contact: Karl Beaster, P.G., Environmental Analyst
Enbridge Energy
25 East Superior Street, Suite 309
Duluth, MN 55802
(218) 464-5623

Site Location: 2800 East 21st Street
Superior WI, 54880
T49N R13W S31 and S19, T49N R14W S36
Douglas County

1.2 Physical Setting

The topography of the site and the general area around the site is relatively flat. The Nemadji River is present on the south side of the property in a broad incised valley (Figures 1 and 2). On the southwest side of the property, a small tributary stream is present that discharges to the Nemadji River. The Nemadji River flows toward the east/northeast in the vicinity of the site, and discharges to Superior Bay of the St. Louis River within the Superior Harbor. The St. Louis River discharges to Lake Superior.

1.2.1 Local Geology and Hydrogeology

The near surface glacial geology of the site is described as lean and fat clays to depths in excess of 100 feet below the ground surface (bgs). The majority of the shallow soil encountered at the site consists of glacial-lacustrine, red-brown clay. The bedrock geology of the area consists of Precambrian sandstone. Area well logs indicate depth to bedrock is variable, and is encountered at depths ranging from 161 feet to 230 feet bgs.

Depth to groundwater at the facility varies between approximately 1 to 8 feet bgs, dependent on location, as measured in monitoring wells located at the terminal. Existing facility monitoring well depths range from 17.5 to 60 feet bgs. Historically groundwater flow from the site has predominantly been toward the Nemadji River.

1.3 Purpose of Plan

The intention of a groundwater sampling plan at the Superior Terminal is to establish a standard for the sampling order, frequency, methods, parameters and data evaluation of the facility groundwater monitoring network. The groundwater monitoring plan will allow Enbridge to evaluate risk to groundwater on a facility-wide basis for individual releases at the facility, as described in the SI/RAP.

2.0 Sampling Parameters, Methods and Analysis

The facility monitoring well network currently consists of the 28 monitoring wells presented on Figure 2. Monitoring will be conducted semiannually in the early summer (May) and late fall (October/November). If conditions warrant and sampling results suggest little to no seasonal variation, Enbridge may propose annual sampling in the future.

2.1 Sampling Network

The current sampling network consists of the following wells (Figure 2):

- **Shallow water table wells:** MW-1, MW-2, MW-5, MW-6, MW-10, MW-11, MW-12, MW-14, MW-15, MW-17, MW-18, MW-19A, MW-20A, MW-21A, MW-24A, MW-25A, and MW-26.
- **Deep piezometers:** MW-5B, MW-6B, MW-11B, MW-17B, MW-19B, MW-20B, MW-21B, MW-22B, MW-23B, MW-24B, and MW-25B.

2.1.1 Parameters

Samples will be collected semiannually for the following parameters:

- **Field Parameters:** Temperature, Conductivity, Dissolved Oxygen, and pH.
- **Laboratory Parameters:** petroleum volatile organic compounds (PVOCs) and Naphthalene.

2.2 Sampling Methods and Approach

All sampling activities at the Enbridge Energy Superior Terminal will be conducted by qualified sampling personnel. Prior to sampling, appropriate personal protective clothing will be worn. All Enbridge safety requirements must be adhered to (i.e., flame-resistant clothing, Level D PPE, 4-gas meter). In addition, proper sample handling procedures will be followed including chemical-resistant gloves unique for each well. Pre-sampling field planning will be completed, as described in Attachment A. The WDNR *Groundwater Sampling Desk Reference* (Publ-DG-037-96) and *Groundwater Sampling Field Manual* (Publ-DG-038-96) will be followed for the following activities: collecting static water levels from monitoring wells; purging and stabilizing monitoring wells; collecting field parameters; collecting groundwater quality samples and quality assurance/quality control samples; decontaminating field sampling equipment; and documentation of collected samples on chain of custody and transporting samples to the laboratory. Each sampling event will include the collection an analysis of one duplicate, one field blank and one trip blank.

2.2.1 Sampling Order

In an effort to minimize the potential for cross-contamination between sampling locations, monitoring wells that have the lowest probability of containing contaminants will be sampled first. The sampling order for the facility GMP will be from upgradient to downgradient.

2.2.2 Monitoring Well Inspection

Each monitoring well will be visually inspected prior to sampling and locked when sampling is completed. Table 1 provides specific information for each of the monitoring wells that will be part of this GMP.

**Table 1 Existing Facility-Wide Monitoring Well Network Information
Enbridge Superior Terminal**

| Well ID | Date Installed | TOC Elevation (feet, NGVD) | Ground Surface Elevation | Depth to Bottom (feet, from TOC) | Screen Length (feet) |
|---------|----------------|-------------------------------|--------------------------------|--|-------------------------|
| MW-1 | 10/13/1999 | 665.22 | 663.46 | 22.57 | 10 |
| MW-2 | 10/15/1999 | 659.37 | 657.06 | 27.26 | 10 |
| MW-5 | 10/15/1999 | 645.37 | 642.85 | 27.06 | 10 |
| MW-5B | 11/3/2015 | 644.199 [‡] | 640.89 [‡] | 57.78 | 5 |
| MW-6 | 11/10/1999 | 648.01 | 645.79 | 26.76 | 10 |
| MW-6B | 11/27/2015 | 646.77 [‡] | 644.23 [‡] | 58.10 | 5 |
| MW-10 | 2010 | 662.01 | 660.11 | 30.5 | 10* |
| MW-11 | 2010 | 656.33 | 654.06 | 18.27 | 10* |
| MW-11B | 11/19/2013 | 655.91 | 653.9 | 57.5 | 5 |
| MW-12 | 2010 | 649.46 | 645.36 | 22.57 | 10* |
| MW-14 | 2010 | 661.15 | 659.27 | 18.42 | 10* |
| MW-15 | 2010 | 660.88 | 659.1 | 17.39 | 10* |
| MW-17 | 9/25/2012 | 643.19 | 640.7 | 17.44 | 10 |
| MW-17B | 11/18/2013 | 643.27 | 640.9 | 44.8 | 3 |
| MW-18 | 9/25/2012 | 644.23 | 641.8 | 17.2 | 10 |
| MW-19A | 11/25/2013 | 658.12 | 656.2 | 26 | 10 |
| MW-19B | 11/22/2013 | 658.22 | 656.2 | 59.8 | 5 |
| MW-20A | 11/21/2013 | 651.04 | 649 | 24 | 10 |
| MW-20B | 11/21/2013 | 651.34 | 649.4 | 60.1 | 5 |
| MW-21A | 11/20/2013 | 648.84 | 646.9 | 24.4 | 10 |
| MW-21B | 11/20/2013 | 648.83 | 646.7 | 60.7 | 5 |
| MW-22B | 10/21/2015 | 658.35 [‡] | 655.49 [‡] | 57.55 | 5 |
| MW-23B | 10/20/2015 | 646.22 [‡] | 643.51 [‡] | 57.11 | 5 |
| MW-24A | 10/22/2015 | 651.69 [‡] | 649.09 [‡] | 18.85 | 10 |
| MW-24B | 10/26/2015 | 651.45 [‡] | 648.86 [‡] | 49.21 | 5 |
| MW-25A | 10/28/2015 | 638.31 [‡] | 635.91 [‡] | 19.00 | 10 |
| MW-25B | 10/29/2015 | 638.52 [‡] | 635.85 [‡] | 49.25 | 5 |
| MW-26 | 10/28/2015 | 646.17 [‡] | 643.44 [‡] | 18.70 | 10 |

Notes:

NGVD = National Geodetic Vertical Datum

TOC = Top of Casing

* = screen length is assumed, well construction forms could not be located

‡ = Feet in NAVD88 (North America Vertical Datum)

2.2.3 Well Purging

As described in the *WDNR Groundwater Sampling Desk Reference and Field Manual*, facility monitoring wells will be purged prior to sampling to ensure the sample is representative of the groundwater and does not contain water that has been standing in the well. Each monitoring well will be purged using low flow techniques (< 1 gallon per minute). If possible, at least four static well volumes will be removed prior to sample collection, unless wells purge dry and recover too slowly to remove four volumes in a reasonable amount of time.

If a monitoring well can be purged dry and does not yield sufficient water to allow the purging of four well volumes within a one day period, the well will be purged to the maximum extent possible and will then be sampled as soon as the well recovers, within a 24-hour period. If the recovery time exceeds 24 hours, the well will not be sampled, as a sufficient volume of groundwater is not available.

Experience indicates all wells at the site purge dry. Field parameters pH, specific conductance, temperature, and dissolved oxygen are measured in the well prior to purging.

2.3 Sample Analysis

The laboratory for sample analysis will be selected by Enbridge. A copy of the laboratory's Quality Assurance Manual and Standard Operating Procedures can be provided to the WDNR upon request. Please refer to these documents for further details. The regular laboratory quality control (QC) results (percent recovery of matrix spikes, reproducibility of duplicates, trip blank and field blank results) will also be checked for all events to ensure proper QC was maintained. The laboratory may change, but only Wisconsin-certified laboratories will be used.

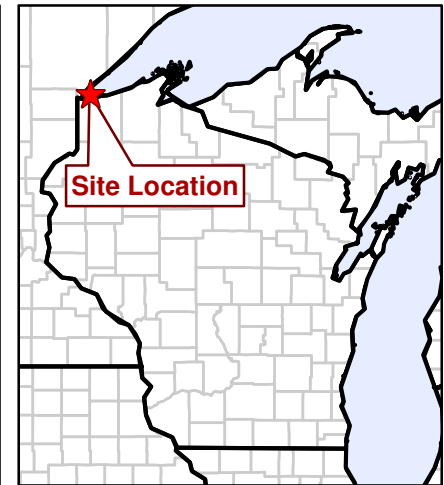
3.0 Data Assessment and Reporting

Once the data is received from the lab, it will be reviewed and certified. The review will include a check for holding times, any calibration data discussion, results for blanks, duplicates, surrogates, matrix spikes and spike duplicates, and a check of reporting limits. Parameter data will be checked for any flagged results and method modifications. Finally, the ion balance will be checked, field data compared to lab results, and all data compared to historical results.

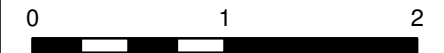
Following each sampling event, Enbridge will submit a report to the WDNR discussing the analytical results of the previous year, water quality trends, any exceedances that may have occurred, a groundwater flow map, and recommendations for possible changes to the GMP. In addition, the boring log and well construction reports for any additional wells added to the facility network or abandonment forms for wells removed will be submitted with the corresponding annual report.

In the event some part of this *GMP Sampling and Analysis Plan* cannot be implemented or requires a change, a suitable alternative will be discussed with the WDNR to ensure compliance with the facility approved SI/RAP. Once an agreement is reached, an amended *GMP Sampling and Analysis Plan* will be submitted.

Figures



- Subject Property Boundary
- Non-Enbridge Owned Property

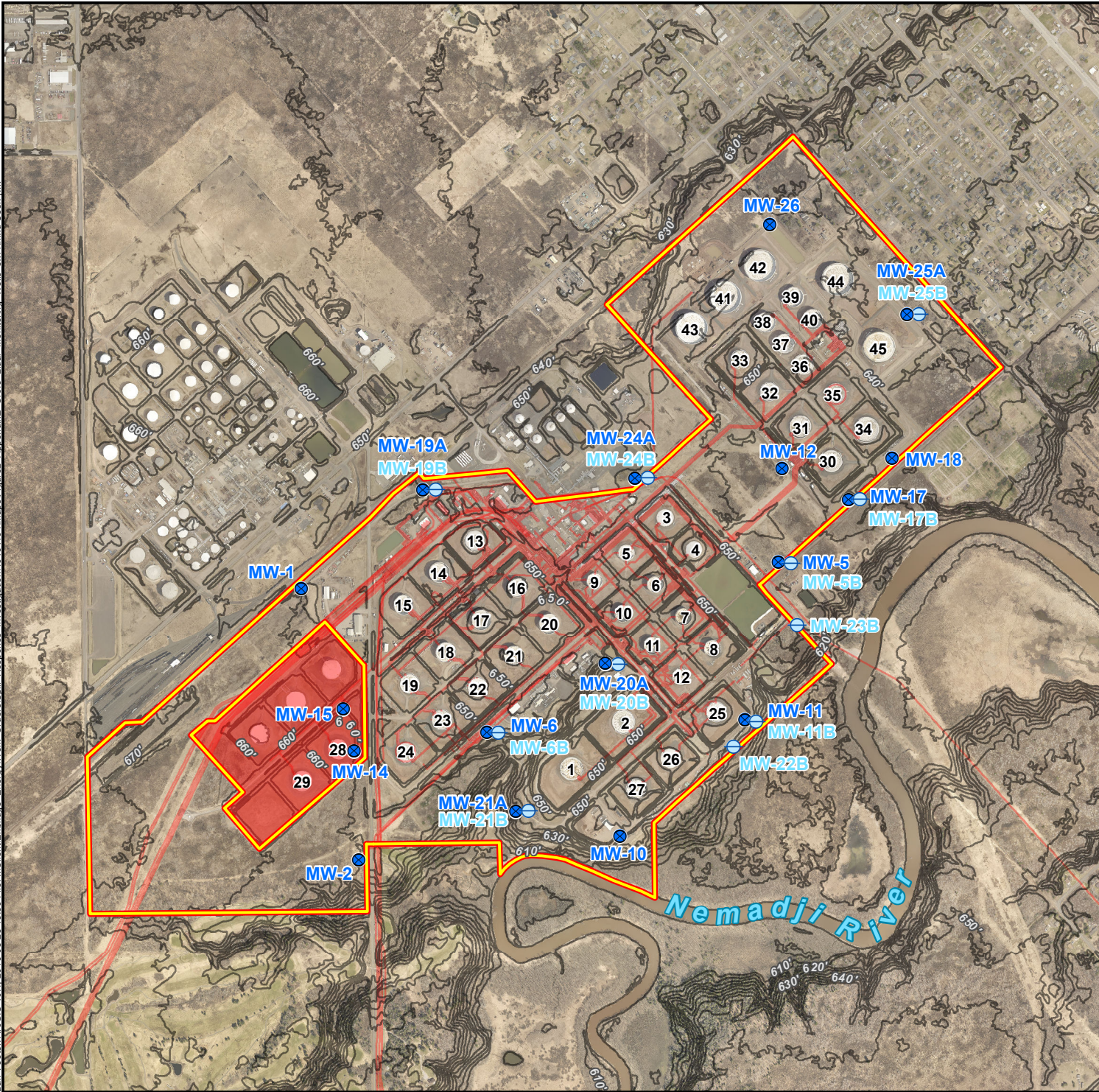








Miles
1 Inch = 5,280 Feet

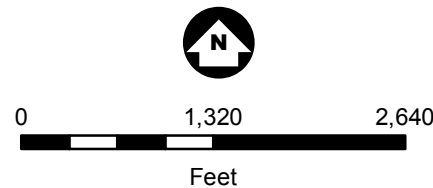
Figure 1

SITE LOCATION
SUPERIOR TERMINAL
 Enbridge Energy, L.P.
 Superior, Wisconsin





-  Subject Property Boundary
-  Non-Enbridge Owned Property
-  Pipeline Infrastructure
-  5-Foot Contours
- Groundwater Monitoring Location**
-  Monitoring Well (Shallow)
-  Piezometer (Deep)



**LIDAR CONTOURS AND
MONITORING WELL LOCATIONS
SUPERIOR TERMINAL**
Enbridge Energy, L.P.
Superior, Wisconsin



Attachment A

Pre-Sampling Field Planning and Checklist

Pre-Sampling Field Planning and Checklist

Equipment

- Site map with well locations and access roads.
- Field notebook for recording all observations.
- Waterproof marking pens or pencils.
- Keys for locked wells (provided from Enbridge)
- Well specific field forms.
- Calibrated 5-gallon bucket to measure volume of water removed when purging well.
- 500 ml wash bottle with deionized (D.I.) water.
- Tools - wrenches, screwdrivers, hammer, pliers, knife.
- Bailer retrieval.
- Latex gloves.
- Dedicated bailers.
- Calculator and conversion table to calculate volume of water needed to purge from well.
- Nylon rope for bailer.
- Water level measuring device (0.01 foot accuracy).
- Transfer containers.
- Coolers large enough for all samples and ice.
- Sample containers with preservatives when required.
- Labels and laboratory chain of custody forms.
- Detergent for cleaning field equipment.

Planning

- Check project file for any monitoring additions, deductions or changes.
- Notify laboratory with sampling information (date, number of samples, parameters required).
- Check field book for previous problems.
- Check equipment for good working order.
 - test batteries
 - calibrate instruments
- Obtain well specific field forms and complete as much of the lab forms as possible.
- Obtain keys to the wells.
- Familiarize yourself with chain of custody procedures.
- Review general site hydrogeology and historical water quality.
- Review well information.
 - well location
 - well depth
 - well diameter
 - well casing elevation
 - well screen elevation
 - well screen length
 - well history
 - water level depth

Appendix H

Specific Pathway to Closure (Table 4 Update) and Facility- Wide Comparison Document

Table 4 (Updated)
 Site Specific Pathway to Closure
 Enbridge Superior Terminal
 Superior, Wisconsin

| Stage | Project Operation Status | Task | Description | Objective |
|-------|---|---|--|--|
| 1 | Discovery of New Release or Historical Release Unknown or Not Previously Reported | Notification | ENBRIDGE ENVIRONMENT to notify REGULATORY AGENCIES using WDNR Form 4400-225 and or Spill Hotline. | Comply with WDNR Release Reporting Requirements as outlined in Table 3 |
| | | Initial Response | ENBRIDGE ENVIRONMENT to Coordinate with ENBRIDGE OPERATIONS, CONTRACTOR and/or CONSULTANT to recover product and prevent hydrocarbon migration. | Coordinate initial response plan with OPERATIONS and CONSULTANT (NR 708). |
| | | | Coordinate CONTRACTOR for repair work. | |
| 2 | Release Response and Site Assessment | Site Control, Operations and Maintenance | Coordinate with CONTRACTOR to monitor and maintain release site to prevent further hydrocarbon impacts. | Monitor, document and advise on release site maintenance activities. |
| | | Site Assessment | CONSULTANT to assess and document site conditions to Enbridge Environment [field screen, survey, photograph]. | Characterize removed soil for Waste Disposal (NR 718) and Document for the Presence of Residual Contamination. |
| | | Soil Screening for Residual Impacts less than 4 feet bgs | If PID (11.7 eV lamp) soil screening results within 4 feet of the ground surface are greater than 10 ppm (isobutylene equivalents), analytical soil samples will be collected to document residual concentrations. | Analytical soil samples (PVOs and Napthalene) will be needed to evaluate direct contact risk (NR 720). |
| | | Soil Screening for Residual Impacts greater than 4 feet bgs | The nature of this site/facility-wide approach allows direct contact (within 4 feet of the ground surface) to be the driver for soil response actions. | Residual soil contamination deeper than 4 feet bgs will be addressed under the facility-wide groundwater approach. A soil sample(s) (PVOs and Napthalene) will be collected from the bottom of a contaminated excavation for laboratory analysis to document the magnitude of the residual contamination (NR 720 / NR 724). |
| 3 | Site Classification and Pathway to Closure | Determine Pathway to Closure for Release based on Soil Concentrations within 4 feet of the ground surface | Soil at less than 4 feet below ground surface with headspace greater than 10 ppm (isobutylene equivalents) excavated or, if not excavated and not accessible, residual soil contamination is less than SSRCLs. | No WDNR ERP # established. |
| | | | Soil greater than calculated SSRCLs for groundwater but less than the calculated SSRCLs for Industrial Direct Contact. | Spill becomes one of the Superior Terminal release sites registered under a single GIS Registry (Super ERP Site). Response documentation paperwork (NR 708 and/or NR 716) and GIS fee will be sent to WDNR (NR 726) |
| | | | Soil is greater than calculated SSRCL for groundwater and the calculated SSRCL for Industrial Direct Contact and a structural impediment limits further remediation or investigation | Spill becomes one of the Superior Terminal release sites registered under a single GIS Registry (Super ERP Site) and continuing obligations (NR 720 - NR 726) will be imposed on the specific release location to minimize the risk of direct contact. Response documentation paperwork (NR 708 and/or NR 716) and GIS fee will be submitted to WDNR (NR 726). |
| | | | Soil remains that is greater than the Calculated SSRCL for Industrial Direct Contact Standard and/or the WDNR requires additional investigation to determine if the hydrogeologic performance standard is appropriate for the release. | Spill becomes a separate ERP site, requiring additional investigation (NR 716) and remediation (NR 720 - 724) and individual Soil and/or GW GIS registration paperwork and fee (NR 726). |

**MOA Comparison Document
Enbridge Superior Terminal**

The Memorandum of Agreement (MOA) was initiated to streamline the release response actions at Superior Terminal from discovery to closure. The primary goal of the MOA is to establish guidelines for conducting release response on an incident basis and for meeting cleanup criteria on a facility-wide basis consistent with Wis. Admin. Code chs. NR 700 -754. This document provides a comparison of actions conducted for each release prior to MOA and under provisions of the MOA.

Initial Response Actions Upon Discovery

Key Comparison – Under the MOA soil excavation is not required to be conducted to depths greater than 4 feet if free product is not present, and soil samples for laboratory analysis are not required if field screening did not detect residual petroleum in soil (PID < 10 ppm). Initial response actions steps prior to vs. under the MOA are summarized in the table below.

| Prior to MOA | Under MOA |
|---|--|
| <ul style="list-style-type: none"> • Recovery of free product. • Excavate soil with field observable levels of petroleum impacts to the extent possible. Some exemptions to full soil excavation were made if working in areas of historically known release areas where case closure was granted by WDNR. • Excavation was conducted to observed depth of petroleum impacts and there was no pre-described limits to the potential depth of excavation. • Soil samples were collected for laboratory analysis from base and sidewalls of all release locations upon conclusion of excavation activities. | <ul style="list-style-type: none"> • Recovery of free product. • Excavate soil with field observable levels of petroleum impacts (PID headspace reading >10ppm) to the extent possible - down to depths of 4 feet. • Excavation below depths of 4 feet below ground surface not required unless needed to remove free product. • Collect soil samples for laboratory analysis from sidewalls or base of completed excavation only if field screening indicated residual petroleum impacts remained (PID headspace reading >10ppm). |

No Further Action Following Initial Response

Key Comparison – Under the MOA analytical samples are not required if field screening results indicate no residual petroleum is left in soil (>10 ppm headspace). This is significant as the RCL for benzene for the groundwater pathway is 0.005 mg/kg, so any detection of benzene in a soil sample indicating the RCL had been exceeded would not allow the release to receive a no further action (NFA) closure. Concentrations this low are generally not detectable with PIDs or by visual observation. Instead of receiving a NFA, the site was enrolled in the BRRTS program and additional investigation, cleanup (if required) and formal closure request would have been required. Now with the MOA, to obtain closure following the initial spill response, the individual release site does need to be enrolled in BRRTS or entered into a separate GIS database. The table below summarizes how the closure could be achieved following initial response actions prior to vs. under the MOA.

| Prior to MOA | Under MOA |
|---|--|
| If no residual petroleum impacts remained in soil based on field screening AND laboratory analytical results were less than RCLs. | If no residual petroleum impacts remained in soil above 4 feet based on field screening. |

Follow up if Residual Petroleum is Present in Soil After Initial Response

Key Comparison – Under MOA, the direct contact pathway is addressed (within removal of impacted soil within 4 feet of ground surface) and no further investigation is required, and no case closeout reports are required to be prepared for routine release response activities. The groundwater pathway is addressed through a facility-wide hydrogeologic performance standard. Therefore, the investigation, risk evaluation, and case closure requirements are satisfied by the SI/RAP and continued groundwater monitoring.

| Prior to MOA | Under MOA |
|--|---|
| <ul style="list-style-type: none"> • Conduct soil investigation under NR 716 to determine vertical and lateral extents of residual petroleum impacts. • Conduct risk assessment to evaluate potential receptors. • Evaluate remediation options and prepare case closeout form to submit to WDNR, which will be forwarded to a committee for review NR-726. • Enter release site into GIS database if case closure is granted. • Each individual release is a separate listing and dot on the WDNR RR site map. | <ul style="list-style-type: none"> • Site is closed based on facility wide soil performance standard for groundwater pathway which is provided by SI/RAP and semi-annual groundwater monitoring. • The facility-wide GIS database is updated with the release information. • The facility-wide BRRTs site is a single listing and represents a single dot on the RR site map which will be continually updated with closure information from each release at the facility. |

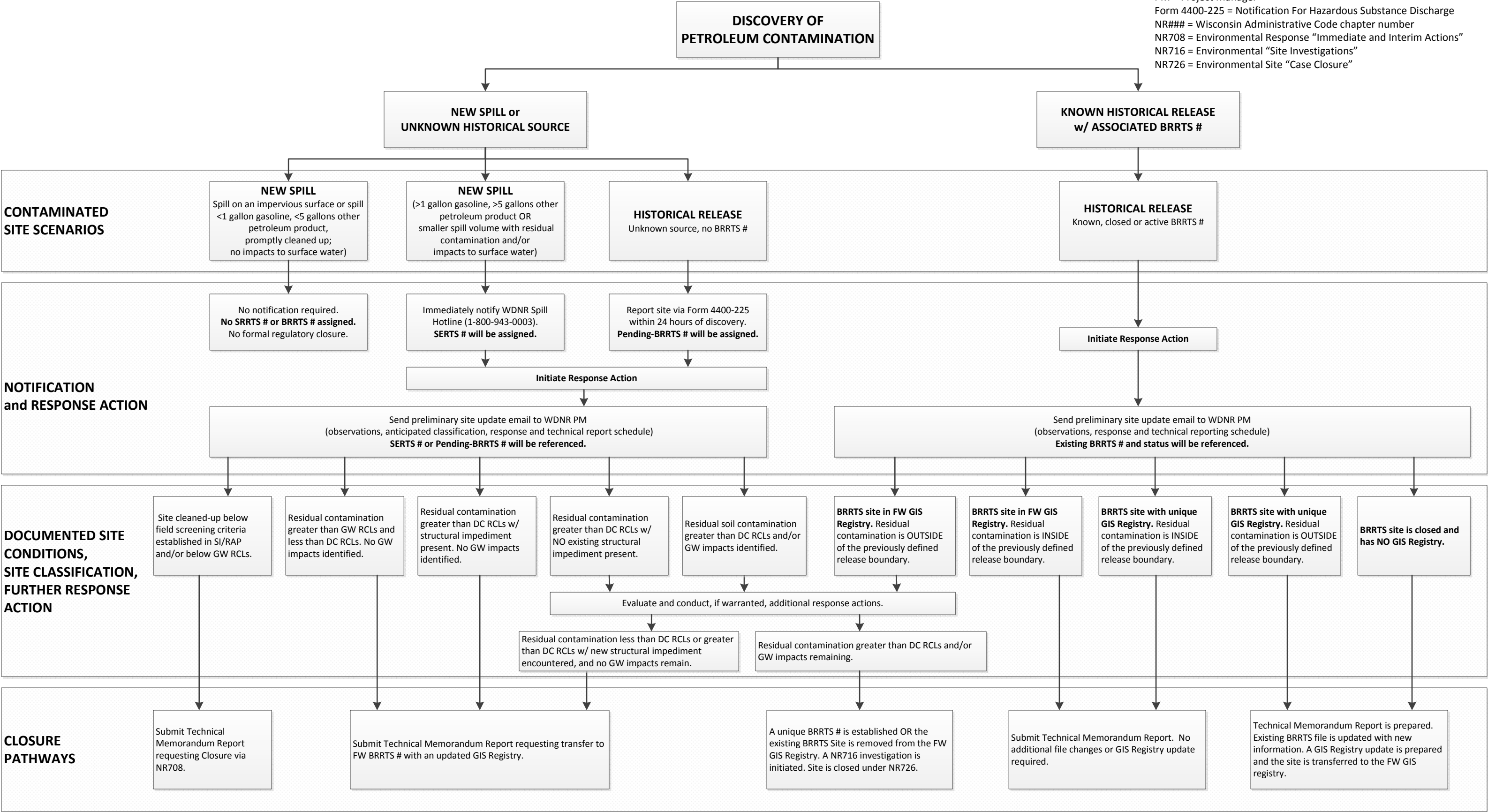
Benefits of the Facility-Wide Approach

Both Enbridge and the WDNR will benefit from this MOA process. Enbridge will realize cost saving related to a reduction in laboratory analytical costs from fewer samples, a reduction in drilling cost from fewer required borings and a reduction in consulting costs related to fewer releases requiring redundant characterizations, risk evaluations and groundwater pathway evaluations. In addition, individual release sites will not require full closure requests, GIS packets and WDNR technical review fees.

The WDNR will have fewer BRRTs sites to manage and fewer full closure committee reviews. In addition, the groundwater performance standard requires continued groundwater monitoring of the groundwater pathway for the entire facility which, in the end, will be more protective of human health and environment, especially in instances when the presence of buried infrastructure limits full excavation and/or hinders release specific investigation. Under the MOA the WDNR reserves the right to open any release site as a separate BRRTs site, require full characterization, additional remediation (if required) and formal site closure.

Enbridge Superior Terminal Petroleum Contaminated Sites Regulatory Notification, Classification and Pathways to Closure

BRRTS = Bureau for Remediation and Redevelopment Tracking System
 SERTS = Spills Electronic Reporting and Tracking System
 WDNR = Wisconsin Department of Natural Resources
 SI/RAP = Site Investigation and Response Action Plan
 FW = Facility-wide
 GIS = Geographic Information Systems
 DC = Direct Contact
 GW = Groundwater
 RCL = Residual Contaminant Level
 PM = Project Manager
 Form 4400-225 = Notification For Hazardous Substance Discharge
 NR### = Wisconsin Administrative Code chapter number
 NR708 = Environmental Response "Immediate and Interim Actions"
 NR716 = Environmental "Site Investigations"
 NR726 = Environmental Site "Case Closure"



Enbridge Superior Terminal Facility-Wide GIS Registry Update Checklist

SUBMITTAL DATE:

RELEASE OR ACTIVITY NAME:

ORIGINAL BRRTS /SRRTS # (if applicable):

GIS UPDATE FEE

- WDNR Technical Assistance, Environmental Liability Clarification or Post-Closure Modification Request (Form 4400-237) – Post-Closure Modification Fee

CLOSURE DOCUMENTS

- WDNR Response Action Approval and Continuing Obligation Cover Letter

SITE INFORMATION

- Date of discovery or rediscovery, if associated with known historical release site.
- Site Coordinates (deg. min. sec. or WTM).
- Enbridge and Consultant contacts.
- List of previous reports associated with identified contamination (if applicable).
- Release description, relevant infrastructure, source of contamination (new or historical) and associated response activity, if applicable (i.e. release date, release source and substance, release volume, emergency and remedial response, release reporting actions).

RESPONSE ACTION SUMMARY

- Date of excavation, extents and soil disposal.
- Groundwater depth in excavation and nearest terminal monitoring well.
- Soil field screening activities and results summary.
- Analytical sampling activities and results summary.

RISK ASSESSMENT DISCUSSION

- Direct contact
- Surface Water receptor
- Groundwater receptor
- Vapor receptor

RESIDUAL CONTAMINATION AND FACILITY-WIDE ELIGIBILITY DISCUSSION

- Area of identified residual contamination and structural impediments (if applicable).
- Response action approval and continuing obligations

Attachments

- Table 1 Field Screening Results / Field Screening Log
- Table 2 Analytical Results
- Figure 1 Site Location Map
- Figure 2 Site Layout Map (w/ location of samples and residual contamination)
- Attachment A Historical Field Documentation (Figures, tables), (if applicable)

Enbridge Superior Terminal Facility-Wide GIS Registry Update

BRRTS#: 02-16-560657

| |
|--|
| SUBMITTAL DATE: August 15, 2017 |
| RELEASE OR ACTIVITY NAME: ENBRIDGE SUPERIOR TERMINAL - MANIFOLD 224 |
| ORIGINAL BRRTS / SRRTS # (if applicable): 02-16-577680 |

| SITE INFORMATION | | | |
|--|---|--|---|
| Date of Discovery (if applicable) | NA | Date of Rediscovery (if applicable) | 6/22/2016 |
| WDNR Notification/ Start Date | 8/16/2016 | WDNR Closure Date (if applicable) | Open |
| Coordinates of Current Activity (deg. min. sec.) | Lat: 46°41'26.90"N, Long: 92°3'2.04"W | | |
| Enbridge Contact and Email | Alex Smith Alex.smith@enbridge.com | Consultant Contact and Email | Ryan Erickson rerickson@barr.com |
| Previous Report and Memorandum References (if applicable) | Barr, 2016. "Manifold 224 Contaminated Soil Response". Technical Memorandum. August 18, 2016. | | |
| Release Description and Notification | <p>On June 22, 2016, evidence of hydrocarbon contamination was identified near a valve within the Manifold 224 structure at the Enbridge Superior Terminal (Figures 1 and 2). Enbridge personnel responded to the site to identify the contamination source and conduct repair and remediation activities. The site was not initially reported to the Wisconsin Department of Natural Resources (WDNR) based on the estimated release volume (<5 gallons); however, the site was later reported (8/16/2016) after remedial activities based on the presence of residual contamination in the final excavation extents, as described below.</p> <p>[Notification]</p> | | |

Response Action Summary

| | |
|--|---|
| Date of Excavation, extent and soil disposal | <p>On June 22 and 23, 2016 Enbridge excavated soil around the valve for inspection and remediation purposes. No active release source was identified; however, valve maintenance was conducted to update the small-diameter piping and potentially prevent future releases at this location. Contaminated soil excavated during the maintenance and remediation activity was temporarily stockpiled at the terminal Soil Management Area (SMA) until off-site disposal at the VONCO V landfill in Duluth, Minnesota was approved.</p> <p>Enbridge personnel excavated soil with evidence of residual contamination (e.g. hydrocarbon sheen, odor, headspace) when it was identified and accessible. Excavation in this location was limited by the presence of pipeline infrastructure. The final excavation was approximately 12 feet in diameter and 5 feet in depth. Sediment observed in the excavation sidewalls consisted primarily of sand construction fill with gravel fill on the ground surface.</p> |
| Groundwater Depth and Nearest Monitoring Well | <p>The observed groundwater table was approximately 5 feet below ground surface (bgs) and recent (May 2016) nearby permanent monitoring well data (wells MW-12 and MW-17) indicate the groundwater depth was approximately 3-5 feet bgs.</p> |
| Soil Field Screening Results Summary | <p>On June 23, Barr collected eight field screening samples from the final excavation extents to determine if residual contamination was present. Headspace reading from sidewall samples in the direct contact zone (0-4 ft. bgs) were between 2.9 and 8.0 parts per million (ppm) and no other evidence of residual contamination was identified from 0-4 ft. bgs. A headspace reading of 14.3 ppm was detected from a bottom sample collected at a depth of 5 ft. bgs.</p> |
| Analytical Sampling Results Summary | <p>Two soil samples were collected for laboratory analysis of petroleum volatile organic compound (PVOC) plus naphthalene. One was collected from the bottom of the excavation (<i>Manifold 224 B-1</i>) to document conditions where the elevated headspace reading was detected at 5 ft. bgs. The other sample was collected from the northeast sidewall (<i>Manifold 224 S-1</i>) at a depth of 2.0 ft. bgs to document conditions in the direct contact zone. Analyte concentrations were below WDNR groundwater residual contaminant levels (GW RCLs) except for a benzene concentration of 0.100 mg/kg detected in the bottom sample (<i>Manifold 224 B-1</i>). The excavation was backfilled with clean fill upon completion of remedial excavation.</p> |

Risk Assessment Discussion

| | |
|--------------------------------|---|
| Direct Contact Receptor | <p>There is little to no direct contact risk based on the field assessment results, the presence of clean backfill, and, Enbridge employee awareness and safety requirements.</p> |
| Surface Water Receptor | <p>There is no risk to surface water receptors based on the field assessment results, the excavation location, and the presence of clean backfill.</p> |

| | |
|-----------------------------|---|
| Groundwater Receptor | There are no nearby groundwater receptors and the Superior Terminal monitoring well network is sampled on a semi-annual basis and the data is provided to WDNR. |
| Vapor Receptor | A pipeline facility building is approximately 40 feet south of the site; but it is not a vapor receptor because it is built above ground and has limited human occupancy. Employees are also required to wear atmospheric monitor while at the facility that would identify a potentially hazardous atmosphere. |

Residual Contamination and Facility-Wide Eligibility Discussion

| | |
|--|--|
| Residual Contamination and Structural Impediments | Based on field screening and analytical sampling, there is no evidence of residual contamination remaining within the direct contact zone (0-4 ft.). Some residual contamination remains at 5 ft. bgs based on a headspace reading of 14.3 ppm and a benzene concentration (0.1 mg/kg), which exceeds the GW RCL criteria. However, additional excavation was not feasible due to presence pipeline infrastructure. The excavation was backfilled with clean fill. |
| Response Action Approval and Continuing Obligations | <p>There are no direct contact, surface water, or vapor receptors associated with the residual contamination associated with this release. The risk to groundwater from residual contamination documented at a depth of 5 ft. bgs with be addressed through the facility-wide hydrogeologic performance standard established facility-wide for the Superior Terminal through a memorandum of agreement (MOA) with the WDNR.</p> <p>The WDNR will be notified about any identified change in environmental conditions at the site. As part of this hydrogeologic performance standard Enbridge will continue to monitor groundwater conditions of the site and, if evidence of contamination is identified, it will be reported to the WDNR and managed in accordance with the MOA.</p> <p>Based on the above observations, the site is being added to the Facility-wide GIS registry (BRRTS#: 02-16-560657).</p> |

Attachments:

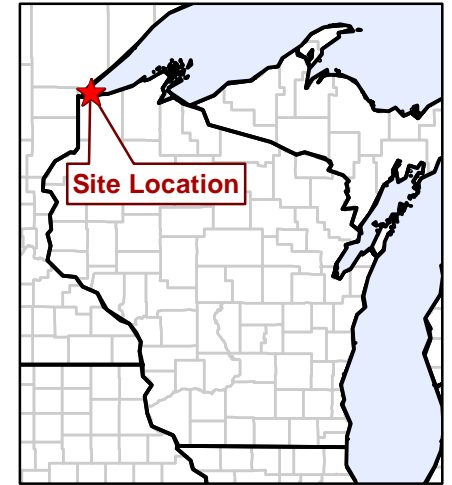
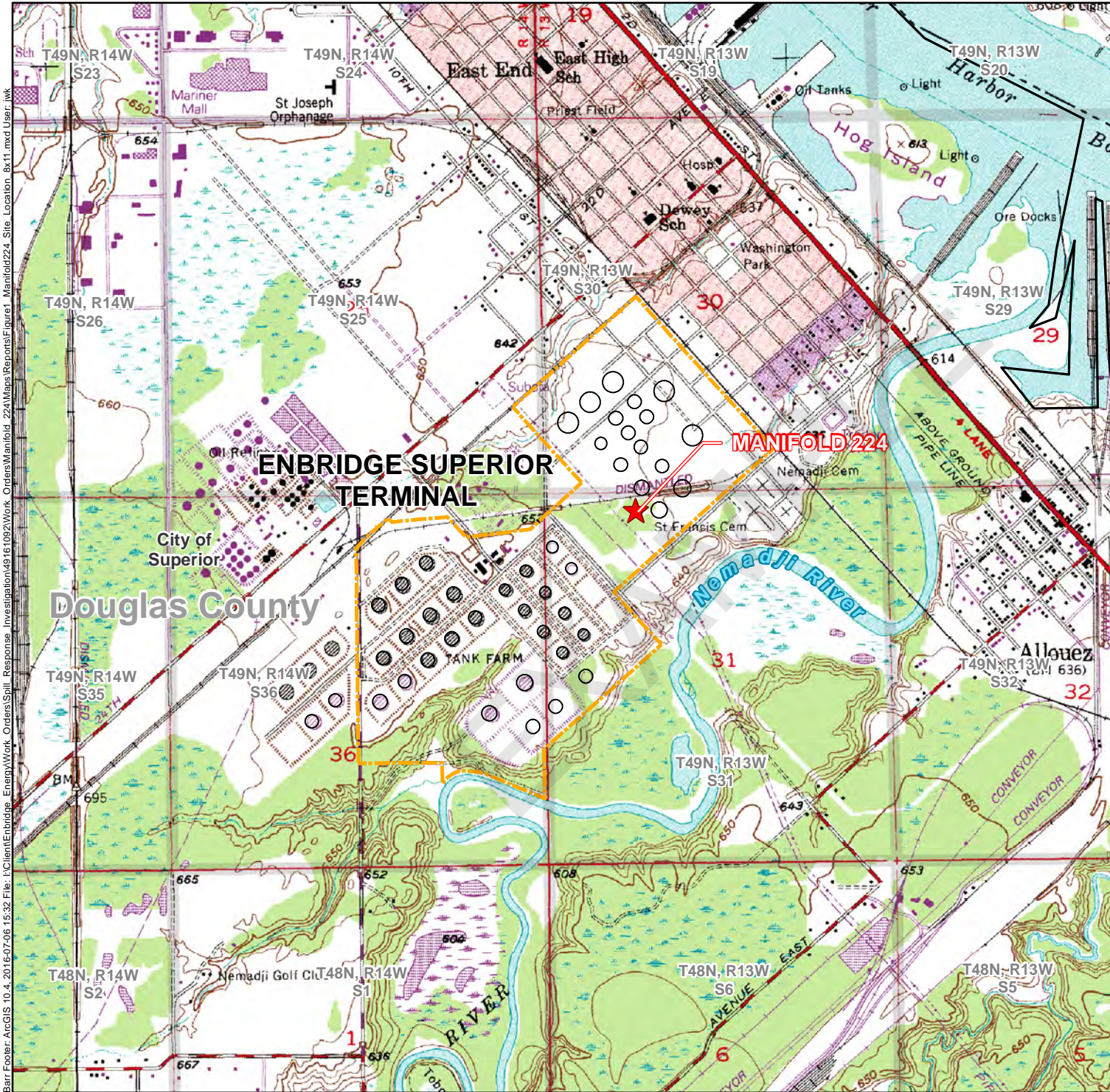
- Table 1 Site Investigation Field Sampling and Screening Logs
- Table 2 Soil Sample Analytical Results
- Figure 1 Site Location
- Figure 2 Site Layout

Table 2
Confirmation Soil Sample Analytical Results
(all analyte concentrations in mg/kg)

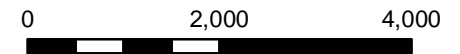
| Sample ID | Sample Date | Sample Depth (feet) | 1,2,4-Trimethyl benzene | 1,3,5-Trimethyl benzene | Benzene | Ethyl benzene | Toluene | Xylenes | Naphthalene |
|--|-------------|---------------------|-------------------------|-------------------------|---------------|---------------|---------|---------|-------------|
| <i>WDNR Groundwater RCLs</i> | | | 1.3793 | 1.3793 | 0.0051 | 0.785 | 0.5536 | 1.97 | 0.3294 |
| <i>WDNR Industrial Direct Contact RCLs</i> | | | 219 | 182 | 7.41 | 37 | 818 | 258 | 26 |
| Manifold-224-S-1 | 6/23/2016 | 2 | <0.0066 | <0.014 | <0.007 | <0.008 | <0.011 | <0.025 | <0.0056 |
| Manifold-224-B-1 | 6/23/2016 | 5 | <0.0085 | <0.019 | 0.100 | 0.020 | 0.160 | 0.083 | <0.0072 |

Notes: BOLD = WDNR Groundwater RCL exceedance

EXAMPLE



- ★ Site Location
- Terminal Property Boundary

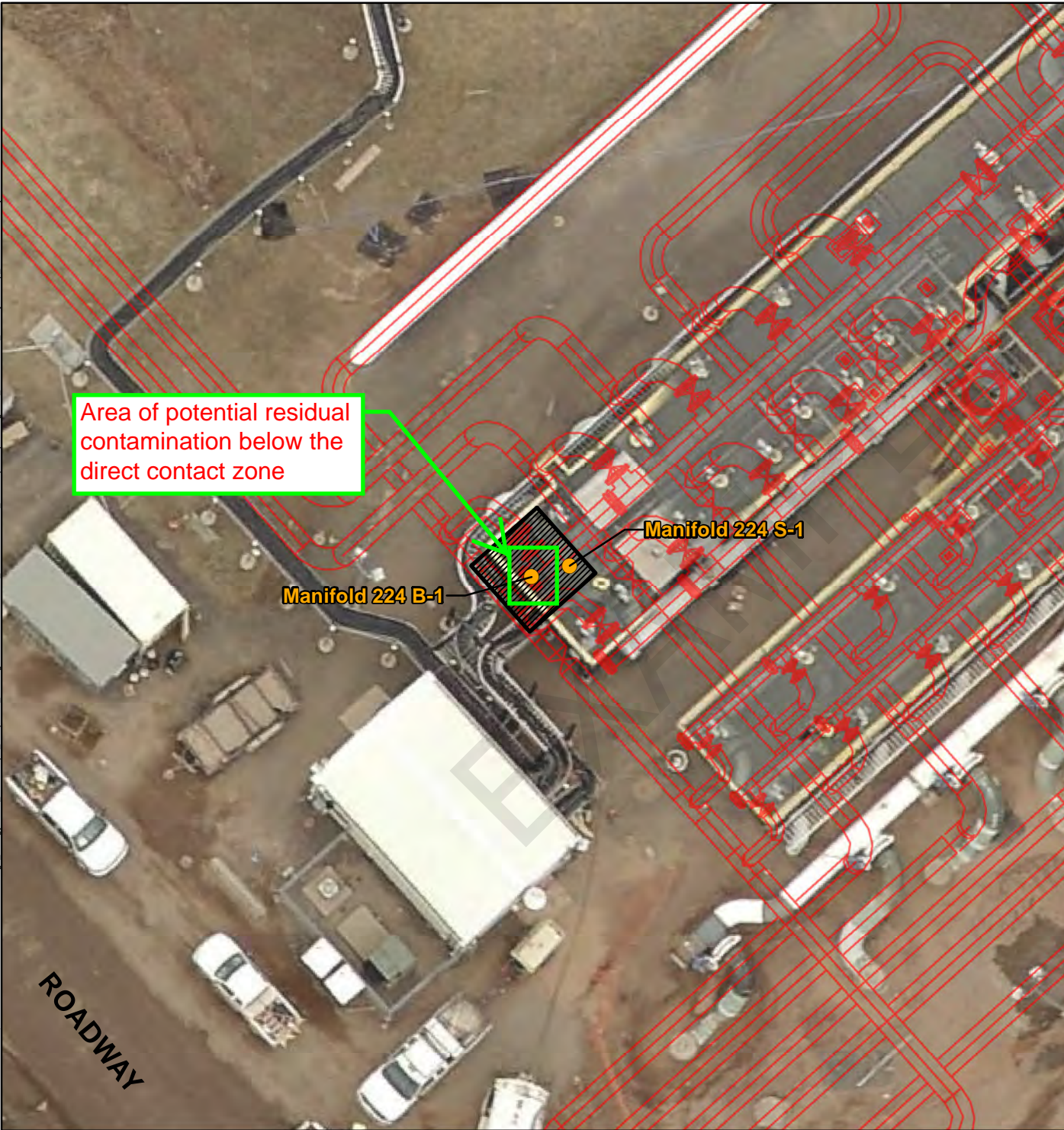


Feet
1 Inch = 2,000 Feet

Figure 1

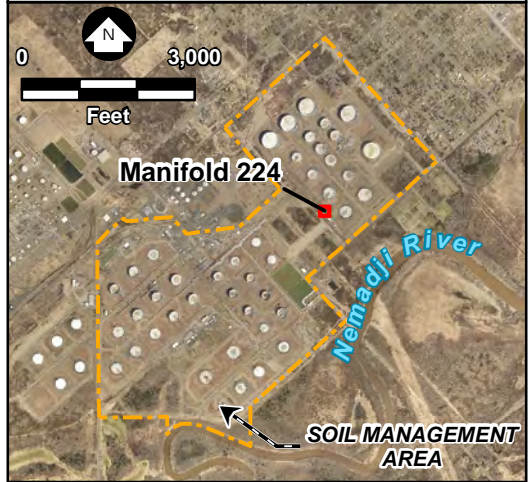
**SITE LOCATION
MANIFOLD 224 RESPONSE
SUPERIOR TERMINAL**
Enbridge Energy, L.P.
Superior, Wisconsin



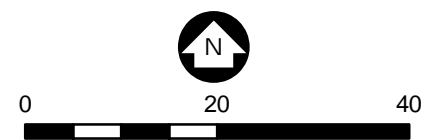


Area of potential residual contamination below the direct contact zone

ENBRIDGE SUPERIOR TERMINAL



- Analytical Sample Locations
- Excavation Extents
- Pipeline Infrastructure
- Terminal Property Boundary



Feet
1 Inch = 20 Feet
Douglas County Imagery Circa 2016

Figure 2

**SITE LAYOUT
MANIFOLD 224 RESPONSE
SUPERIOR TERMINAL**
Enbridge Energy, L.P.
Superior, Wisconsin

