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

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 BRRTS 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.

Bento

Sincerely,

Enbridge Energy, LP

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

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

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

Form 4400-237 (R 9/15)

Page 1 of 8

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 from 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 Neci | pient information | | | | . | A |
|---|---|------------------------------|--|---|-----------------------|------------------|
| Requester Information | | | | | | |
| This is the person requesting tec specialized agreement and is ide | chnical assistance or a post-clo centified as the requester in Sec | osure ction | ∍ modification revi 7. DNR will addre | iew, that his or her liability ess its response letter to th | be clarif is persc | fied or a on. |
| Last Name | First | МІ | Organization/ Bu | usiness Name | | |
| Beaster | Karl | | Enbridge Enge | ery | | |
| Mailing Address | | | City | | State | ZIP Code |
| 26 East Superior Street, Suite | | | Duluth | | MN | 55802 |
| Phone # (include area code) | Fax # (include area code) | | Email | | | |
| (218) 464-5623 | | | karl.beaster@e | enbridge.com | | |
| The requester listed above: (sele | ct all that apply) | | | | | |
| Is currently the owner | | | Is considering | selling the Property | | |
| Is renting or leasing the Pr | operty | [| Is considering | acquiring the Property | | |
| Is a lender with a mortgage | e interest in the Property | | | | | |
| Other. Explain the status o | f the Property with respect to t | the a | pplicant: | | | |
| Enbridge Energy is the pro | nerty owner. Mr. Beaster i | s the | e Enbridge proje | ect contact. | | |
| Bhorage Bhergy to the pro- | porty owner. Will Bouston is | 5 1111 | , Enorage proje | or contact. | | |
| | | | | | | |
| Contact Information (to be c | | | | | ct if san | ne as requester |
| Contact Last Name | First | MI | Organization/ Bu | siness Name | | |
| Mailing Address | | L | City | | State | ZIP Code |
| Mailing Address | | | City | | State | Zii Code |
| Phone # (include area code) | Fax # (include area code) | | Email | | | |
| | | | | | | |
| Environmental Consultant | | | | | | |
| Contact Last Name | First | МІ | Organization/ Bus | siness Name | | |
| Carney | Lynette | | Barr Engineerin | ıg Co | | |
| Mailing Address | | | City | | State | ZIP Code |
| 325 S Lake Ave, Ste 700 | •, | | Duluth | W-7471100 L | MN | 55802 |
| Phone # (include area code) | Fax # (include area code) | | Email | | | |
| (218) 529-7141 | ···· | | lcarney@barr.co | om | | |
| Section 2. Property Informatio | n | | | | | |
| Property Name | <u> </u> | | | FID No. (i | f known |) |
| Enbridge Superior Terminal | | | | | | |
| BRRTS No. (if known) | | Parcel Identification Number | | | | |
| | | | various | | | |
| Street Address C | | City State ZIP Code | | | | |
| 2800 East 21st Street | | | Superior | | WI | 54880 |
| County Muni | icipality where the Property is | locat | ed | Property is composed of: | Prop | erty Size Acres |
| Douglas () | City () Town () Village of S1 | iner | ior | Single tax Multiple t | 560 | |

Form 4400-237 (R 9/15)

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| pla | an accord | se needed by a specific date? (e.g., Property closing date) Note: Most requests are completed within 60 days. Please dingly. Yes Date requested by: Reason: |
|-------|-------------|--|
| | | |
| 2. Is | the "Requ | uester" enrolled as a Voluntary Party in the Voluntary Party Liability Exemption (VPLE) program? |
| | | lude the fee that is required for your request in Section 3, 4 or 5. o not include a separate fee. This request will be billed separately through the VPLE Program. |
| | Section : | information in Section 3, 4 or 5 which corresponds with the type of request: 3. Technical Assistance or Post-Closure Modifications; 4. Liability Clarification; or Section 5. Specialized Agreement. |
| Sect | ion 3. R | equest for Technical Assistance or Post-Closure Modification |
| Seled | ct the type | e of technical assistance requested: [Numbers in brackets are for WI DNR Use] |
| | to ar | Further Action Letter (NFA) (Immediate Actions) - NR 708.09, [183] - Include a fee of \$350. Use for a written response in immediate action after a discharge of a hazardous substance occurs. Generally, these are for a one-time spill event. iew of Site Investigation Work Plan - NR 716.09, [135] - Include a fee of \$700. iew of Site Investigation Report - NR 716.15, [137] - Include a fee of \$1050. iew of a Site-Specific Soil Cleanup Standard - NR 720.10 or 12, [67] - Include a fee of \$1050. iew of a Remedial Action Options Report - NR 722.13, [143] - Include a fee of \$1050. iew of a Remedial Action Design Report - NR 724.09, [148] - Include a fee of \$1050. iew of a Remedial Action Documentation Report - NR 724.15, [152] - Include a fee of \$350 |
| | _ | ew of a Long-term Monitoring Plan - NR 724.17, [25] - Include a fee of \$425. |
| | = | ew of an Operation and Maintenance Plan - NR 724.13, [192] - Include a fee of \$425. |
| Ot | her Tech | nical Assistance - s. 292.55, Wis. Stats. [97] (For request to build on an abandoned landfill use Form 4400-226) |
| | | edule a Technical Assistance Meeting - Include a fee of \$700. |
| | | ardous Waste Determination - Include a fee of \$700. |
| | Other | r Technical Assistance - Include a fee of \$700. Explain your request in an attachment. |
| Po | st-Closur | re Modifications - NR 727, [181] |
| | └─ sites | -Closure Modifications: Modification to Property boundaries and/or continuing obligations of a closed site or Property; may be on the GIS Registry. This also includes removal of a site or Property from the GIS Registry. Include a fee of 50, and: |
| | ☐ In | nclude a fee of \$300 for sites with residual soil contamination; and |
| | | nclude a fee of \$350 for sites with residual groundwater contamination, monitoring wells or for vapor intrusion continuing bligations. |
| C | to a F | the a description of the changes you are proposing, and documentation as to why the changes are needed (if the change Property, site or continuing obligation will result in revised maps, maintenance plans or photographs, those documents be submitted later in the approval process, on a case-by-case basis). |

form.

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| Section 4. Request for Liability Clarification |
|--|
|--|

| 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.,hi., 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]. |
| Solid waste - 5. 232.25 (2), vvis. Stats. [043]. |
| Include a fee of \$700, a summary of the environmental liability clarification being requested, and the following: |
| 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; |

(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.

(6) intended or potential use(s) of the Property;

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| Section 4 | . Request for Liability Clarification (cont.) |
|-------------|---|
| Lea | ase 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. |
| Genera | l 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. |
| | Action Required (NAR) - NR 716.05, [682] Include a fee of \$700. |
| ass | where an environmental discharge has or has not occurred, and applicant wants a DNR determination that no further essment or clean-up work is required. Usually this is requested after a Phase I and Phase II environmental assessment has n conducted; the assessment reports should be submitted with this form. This is not a closure letter. |
| Clar | ify the liability associated with a "closed" Property - s. 292.55, Wis. Stats. [682] |
| * | Include a fee of \$700. |
| - Includ | e a copy of any closure documents if a state agency other than DNR approved the closure. |
| Use this sp | ace or attach additional sheets to provide necessary information, explanations or specific questions to be answered by the |

Form 4400-237 (R 9/15)

Section 5. Request for a Specialized Agreement

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| Select the type of agreement needed. Include the appropriate draft agreements and supporting materials. Complete Sections 6 and 7 cthis 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? |
| |

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 true, accurate and complete to the best of my knowledge. I also certify I have this request. | e the legal authority and the applicant's permission to make |
| _ Cal / Seate | 08-16-2017 |
| Signature | Date Signed |
| Sr. Environment Advisor | 218, 464, 5623 |
| Title | Telephone Number (include area code) |

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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 <u>DNR regional brownfields specialist</u> 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

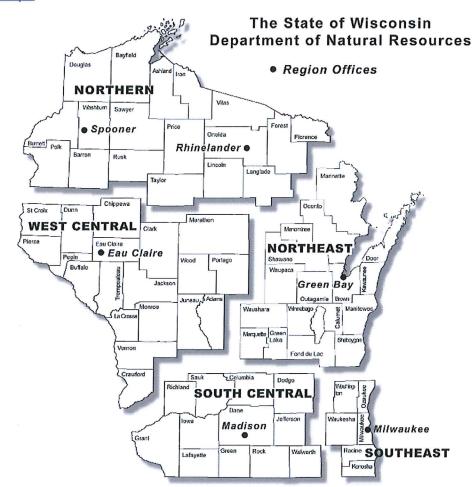
Attn: RR Program Assistant Department of Natural Resources 3911 Fish Hatchery Road Fitchburg WI 53711

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 | Com | nments | |
| Fee Enclosed? | Fee Amount | Date Additional Information Requested | Date Requested for DNR Response Letter |
| ◯ Yes ◯ No | \$ | | |
| 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

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| | |

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|------------|---|
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| 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 facilitywide 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-feet long well screen and a deep piezometer with a 5-feet 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-feet 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-feet 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:

 $V = K x (dh/dl)/n_e$, 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 x 10^{-11} to 3.1 x 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 x 10^{-9} to 5.6 x 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 facilitywide 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

| Wisconsin Administrative Code, and that to the best of n | ny knowledge, all of the i | nformation contained in |
|---|--|-------------------------|
| this document is correct, and the document was prepare | d in compliance with all a | applicable requirements |
| in Chapters NR 700 to 726, Wisconsin Administrative Cod | de." | |
| Synth arry | 8/14/2017 | 1138 |
| Lynette M. Carney, PG | Date | Reg No. |
| Senior Geologist | | |
| "I, Jon M. Aspie, hereby certify that I am a hydrogeologis Wisconsin Administrative Code, and that to the best of n this document is correct, and the document was prepare in Chapters NR 700 to 726, Wisconsin Administrative Code | ny knowledge, all of the i d in compliance with all a | nformation contained in |
| fon Aspin | 8/14/2017 | 831 |
| Jon M Aspie, PG | Date | Reg No. |
| Senior Geologist | | |

"I, Lynette M. Carney, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03(1),

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

| | | TOC Elevation | Ground Surface | Depth to | Course I smooth | Screened | Tunta un cal |
|----------------|----------------|---------------|---------------------|----------------------------|-------------------------|---------------|------------------|
| Well ID | Date Installed | (feet, NGVD) | Elevation | Bottom (feet, from TOC) | Screen Length (feet) | Elevation (Fe | |
| 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 | 11/3/2013 | 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 |
| | | 661.15 | | | 10 | 642.73 | |
| MW-14 MW-15 | 2010 | 660.88 | 659.27 659.1 | 18.42 17.39 | 10 | 643.49 | 652.73 653.49 |
| | | | | | | | |
| MW-17 | 9/25/2012 | 643.19 | 640.7 | 17.44 44.8 | 10 | 625.75 | 635.75 |
| MW-17B | 11/18/2013 | 643.27 | 640.9 | ,, | 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

| | | | | Depth to | |
|-----------|-----------|----------------------|---------------------|-------------|----------------------|
| | | TOC Elevation | Grade Elevation | Groundwater | Groundwater Elevatio |
| Location | Date | (feet NGVD) | (feet NGVD) | (feet) | (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 | 033.37 | 037.00 | 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 |
| | | | | | 333.0 |
| 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 |
| NAVA (50 | 12 N 45 | C44 100 [‡] | C40.00‡ | FC 22* | 507.07 |
| 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

| | | | | Depth to | |
|--------------------|-----------|---------------------|---------------------|-------------|---------------------|
| | | TOC Elevation | Grade Elevation | Groundwater | Groundwater Elevati |
| Location | Date | (feet NGVD) | (feet NGVD) | (feet) | (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 |
| | | | Sealed in May 2013 | | |

Table 2 Groundwater Elevation Data Enbridge Superior Terminal

| | | TOC Elevation | Grade Elevation | Depth to Groundwater | Groundwater Elevation |
|-----------|-----------|---------------|------------------------------|-------------------------|-----------------------|
| Location | Date | (feet NGVD) | (feet NGVD) | (feet) | (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 |
| NAVA/ 15 | 20 5 10 | 660.00 | CF0.1 | 3.50 | CE7.20 |
| 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 |
| NAV 10 | 2 N . 12 | 644.22 | C 41 0 | 12.02* | 630.40 |
| 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 |
| 25.1 | 27-Aug-14 | 333.22 | 555.25 | 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 |
| | 3 000 10 | | | 3.33 | 337.33 |
| 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 |
| IVIVV-ZUM | 28-Aug-14 | 031.04 | U T U. <i>3</i> U | 6.34 | 644.70 |
| | 9-Nov-15 | | | 5.84 | 645.20 |
| | | | + | | 645.20 |
| | 17-May-16 | | - | 5.08 | |
| | 5-Oct-16 | I | | 7.50 | 643.54 |

Table 2 Groundwater Elevation Data Enbridge Superior Terminal

| | | TOC Elevation | Grade Elevation | Depth to Groundwater | Groundwater Elevation |
|----------|-----------------------|-----------------------|---------------------|-------------------------|-----------------------|
| Location | Date | (feet NGVD) | (feet NGVD) | (feet) | (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 |
| | 47.5.40 | 640.04 | 646.06 | 1004 | 522.02 |
| 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 |
| M/M/ 21D | 17 D 12 | 640.00 | 646.00 | 20.02* | 600.00 |
| MW-21B | 17-Dec-13 | 648.83 | 646.68 | 38.62* 18.98 | 608.06 |
| | 27-Aug-14 | | | | 629.85 |
| | 11-Nov-15 | | | 18.78 18.50 | 630.05 630.33 |
| | 17-May-16 6-Oct-16 | | | 19.38 | 629.45 |
| | 0-061-10 | | | 19.50 | 629.43 |
| NAVA 22B | 12 N. 15 | CEO 35 [‡] | CEE 40 [‡] | 12.22* | 646.12 |
| 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 |
| | 40.11 | 6.4.6.00 [‡] | 642 F4 [‡] | =0 =4 · | |
| 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

| | | Shallow Well Water | Deep Well Water | Change in Water | Well Midscreen | Deep Well Midscreen | Distance between | Vertical Gradient |
|-------------------|------------|-----------------------|--------------------|--------------------|-------------------|------------------------|---------------------|----------------------|
| | | Elevation | Elevation | Elevation | Elevation | Elevation | midscreen | dh/dl |
| Location | Date | (ft/MSL) | (ft/MSL) | (dh) | (ft/MSL) | (ft/MSL) | points (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/ | Sample | Slug Test Data | | Laboratory Permeability Data | | Hazen Method from Grain Size | |
|--------|---------|----------------|-----------------|------------------------------|--------------|------------------------------|--------------|
| Boring | Group | 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

| | | Organic Content | Dry Bulk Density |
|--------|---------|-----------------|------------------|
| Boring | Depth | % | (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- Trimethylbenzen e (µg/L) | 1,3,5- Trimethylbenzen e (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- Trimethylbenzen e (µg/L) | 1,3,5- Trimethylbenzen e (µg/L) |
|----------|------------------------|----------------|------------------------|----------------|-------------------------|------------|-----------------------|---------------------------------------|---------------------------------------|
| MW-5B | 13-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 |
| | 4-Oct-16 | <1.0 | <1.0 | <1.0 | <3.0 | NS | <5.0 | <1.0 | <1.0 |
| | | | | | | | | | |
| MW-6 | 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 | 0.67* | < 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 | <51 | NS | NS | NS |
| | 20-Sep-10 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | <108 | 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 | <110 | 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 |
| | 29-Aug-14(DUP-2) | <1.0 | <1.0 | <1.0 | <3.0 | NS | <5.0 | <1.0 | <1.0 |
| | 11-Nov-15 | <1.0 | <1.0 | <1.0 | <3.0 | NS | <4.0 | <1.0 | <1.0 |
| | 21-May-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 |
| | | | | | | | | | |
| MW-6B | 12-Nov-15 [‡] | <1.0 | <1.0 | <1.0 | <3.0 | NS | <4.0 | <1.0 | <1.0 |
| | 21-May-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 |
| | | | | | | | | | |
| MW-10 | 20-Sep-10 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | 212 | NS | NS | NS |
| | 20-Sep-11 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | 170 | NS | NS | NS |
| | 26-Sep-12 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | 150 | NS | NS | NS |
| | 21-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 |
| | 11-Nov-15 | <1.0 | <1.0 | <1.0 | <3.0 | NS | <4.0 | <1.0 | <1.0 |
| | 21-May-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 |
| NANA/ 11 | 20 San 10 | <1.0 | <1.0 | 2.2 | ~2 N | 272 | NS | NS | NS |
| MW-11 | 20-Sep-10 20-Sep-11 | < 1.0 | < 1.0 | 2.2 < 1.0 | < 3.0 < 3.0 | 373 266 | NS NS | NS NS | NS |
| | 26-Sep-12 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | 330 | NS | NS NS | NS |
| | 21-Nov-13 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NS NS | < 4.0 | 1.2 | < 1.0 |
| | 28-Aug-14 | <1.0 | <1.0 | <1.0 | <3.0 | NS | < 4.0 | <1.0 | <1.0 |
| | 26-Aug-14 11-Nov-15 | <1.0 | <1.0 | <1.0 | <3.0 | NS NS | <4.0 | <1.0 | <1.0 |
| | 21-May-16 | <1.0 | <1.0 | <1.0 | <3.0 | NS 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 |
| | 0 000 10 | `1.0 | `1.0 | `1.0 | ٠٥.٥ | 143 | ` | `4.0 | `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- Trimethylbenzen e (µg/L) | 1,3,5- Trimethylbenzen e (µg/L) |
|--------------------|------------------|----------------|------------------------|----------------|-------------------------|------------|-----------------------|---------------------------------------|---------------------------------------|
| MW-11B | 5-Dec-13 | < 1.0 | < 1.0 | < 1.0 | 3.1 | NS | < 4.0 | < 1.0 | < 1.0 |
| | 28-Aug-14 | <1.0 | <1.0 | <1.0 | <3.0 | NS | <5.0 | <1.0 | <1.0 |
| | 11-Nov-15 | <1.0 | <1.0 | <1.0 | <3.0 | NS | <4.0 | <1.0 | <1.0 |
| | 21-May-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 |
| | | | | | | | | | |
| MW-12 | 17-Sep-10 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | <101 | 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 | <110 | 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 |
| | 10-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 |
| | 4-Oct-16 | <1.0 | <1.0 | <1.0 | <3.0 | NS | <5.0 | <1.0 | <1.0 |
| | | | | | | | | | |
| MW-13 ⁺ | 27-Sep-10 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | <101 | NS | NS | NS |
| | 20-Sep-11 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | <109 | NS | NS | NS |
| | 26-Sep-12 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | <110 | NS | NS | NS |
| | | | Well | Sealed in N | lay 2013 | | T | | |
| | | | | | | | | | |
| MW-14 | 17-Sep-10 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | <111 | NS | NS | NS |
| | 20-Sep-11 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | <105 | 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 |
| | 29-Aug-14 | <1.0 | <1.0 | <1.0 | <3.0 | NS | <5.0 | <1.0 | <1.0 |
| | 10-Nov-15(Dup-1) | <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 |
| | 5-Oct-16 | <1.0 | <1.0 | <1.0 | <3.0 | NS | <5.0 | <1.0 | <1.0 |
| MW-15 | 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 | <112 | 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 |
| | 29-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 |
| | 22-May-16 | <1.0 | <1.0 | <1.0 | <3.0 | NS | <5.0 | <1.0 | <1.0 |
| | 5-Oct-16 | <1.0 | <1.0 | <1.0 | <3.0 | NS | <5.0 | <1.0 | <1.0 |
| MW-17 | 2-Nov-12 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | 190 | NS | NS | NS |
| / | 21-Nov-13 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NS | < 4.0 | < 1.0 | < 1.0 |
| | 28-Aug-14 | <1.0 | <1.0 | <1.0 | <3.0 | NS | <5.0 | <1.0 | <1.0 |
| | 28-Aug-14(DUP-1) | <1.0 | <1.0 | <1.0 | <3.0 | NS | <5.0 | <1.0 | <1.0 |
| | 12-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 |
| | 4-Oct-16 | <1.0 | <1.0 | <1.0 | <3.0 | NS | <5.0 | <1.0 | <1.0 |
| | | | | | ,,, | | 2.2 | | |

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- Trimethylbenzen e (µg/L) | 1,3,5- Trimethylbenzen e (µg/L) |
|----------|-----------|----------------|------------------------|----------------|-------------------------|------------|-----------------------|---------------------------------------|---------------------------------------|
| MW-17B | 17-Dec-13 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NS | < 4.0 | < 1.0 | < 1.0 |
| | 28-Aug-14 | <1.0 | <1.0 | <1.0 | <3.0 | NS | <5.0 | <1.0 | <1.0 |
| | 12-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 |
| | 4-Oct-16 | <1.0 | <1.0 | <1.0 | <3.0 | NS | <5.0 | <1.0 | <1.0 |
| | | | | | | | | | |
| MW-18 | 2-Nov-12 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | 160 | NS | NS | NS |
| | 21-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 | <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 |
| | 7-Oct-16 | <1.0 | <1.0 | <1.0 | <3.0 | NS | <5.0 | <1.0 | <1.0 |
| | | | | | | | | | |
| MW-19A | 5-Dec-13 | < 1.0 | < 1.0 | 1.2 | < 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 |
| | 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-19B | 5-Dec-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 |
| | 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-20A | 17-Dec-13 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NS | < 4.0 | < 1.0 | < 1.0 |
| | 28-Aug-14 | <1.0 | <1.0 | <1.0 | <3.0 | NS | <5.0 | <1.0 | <1.0 |
| | 9-Nov-15 | <1.0 | <1.0 | <1.0 | <3.0 | NS | <4.0 | <1.0 | <1.0 |
| | 21-May-16 | <1.0 | <1.0 | <1.0 | <3.0 | NS | <5.0 | <1.0 | <1.0 |
| | 5-Oct-16 | <1.0 | <1.0 | <1.0 | <3.0 | NS | <5.0 | <1.0 | <1.0 |
| | | | | | | | | | |
| MW-20B | 17-Dec-13 | < 1.0 | < 1.0 | < 1.0 | < 3.0 | NS | < 4.0 | < 1.0 | < 1.0 |
| | 28-Aug-14 | <1.0 | <1.0 | <1.0 | <3.0 | NS | <5.0 | <1.0 | <1.0 |
| | 9-Nov-15 | <1.0 | <1.0 | <1.0 | <3.0 | NS | <4.0 | <1.0 | <1.0 |
| | 21-May-16 | <1.0 | <1.0 | <1.0 | <3.0 | NS | <5.0 | <1.0 | <1.0 |
| | 5-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- Trimethylbenzen e (µg/L) | 1,3,5- Trimethylbenzen e (µg/L) |
|-------------|-------------------------------|----------------|------------------------|----------------|-------------------------|------------|-----------------------|---------------------------------------|---------------------------------------|
| MW-21A | 17-Dec-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 |
| | 11-Nov-15 | <1.0 | <1.0 | <1.0 | <3.0 | NS | <4.0 | <1.0 | <1.0 |
| | 21-May-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 |
| | | | | | | | | | |
| MW-21B | 26-Nov-13 | < 2.0 | < 2.0 | < 2.0 | < 6.0 | NS | < 8.0 | < 2.0 | < 2.0 |
| | 27-Aug-14 | <1.0 | <1.0 | <1.0 | <3.0 | NS | <5.0 | <1.0 | <1.0 |
| | 11-Nov-15 | <1.0 | <1.0 | <1.0 | <3.0 | NS | <4.0 | <1.0 | <1.0 |
| | 21-May-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 |
| | | | | | | | | | |
| MW-22B | 13-Nov-15 [‡] | <1.0 | <1.0 | <1.0 | <3.0 | NS | <4.0 | <1.0 | <1.0 |
| | 21-May-16 | <1.0 | <1.0 | 3.6 | <3.0 | NS | <5.0 | <1.0 | <1.0 |
| | 4-Oct-16 | <1.0 | <1.0 | <3.0 | <3.0 | NS | <5.0 | <1.0 | <1.0 |
| | | | | | | | | | |
| MW-23B | 16-Nov-15 [‡] | <1.0 | <1.0 | <1.0 | <3.0 | NS | <4.0 | <1.0 | <1.0 |
| | 21-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 |
| | + | | | | | | | | |
| MW-24A | 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 |
| | 5-Oct-16 | <1.0 | <1.0 | <1.0 | <3.0 | NS | <5.0 | <1.0 | <1.0 |
| 1044 245 | 42.14 45/2 21 | 1.0 | 1.0 | 4.0 | 2.0 | NG | 4.0 | 1.0 | 1.0 |
| MW-24B | 13-Nov-15(Dup-3) [‡] | <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 |
| | 5-Oct-16 | <1.0 | <1.0 | <1.0 | <3.0 | NS | <5.0 | <1.0 | <1.0 |
| NAVA (25 A | 13-Nov-15 [‡] | 4F.O | 4F.O | ، ۵۵ | 41F.O | NC | ,20.0 | 4F.O | 4F.O |
| MW-25A | | <5.0 <1.0 | <5.0 | <5.0 <1.0 | <15.0 <3.0 | NS NS | <20.0 <5.0 | <5.0 <1.0 | <5.0 <1.0 |
| | 22-May-16 3-Oct-16 | <1.0 | <1.0 <1.0 | <1.0 | <3.0 | NS | <5.0 | <1.0 | <1.0 |
| | 3-001-10 | \1.0 | \1.0 | \1.0 | ₹3.0 | INS | < 3.0 | \1.0 | \1.0 |
| MW-25B | 13-Nov-15 [‡] | <5.0 | <5.0 | <5.0 | <15.0 | NS | <20.0 | <5.0 | <5.0 |
| IVIVV ZJD | 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 |
| | 3 300 10 | -1.0 | - 1.0 | -1.0 | , 5.0 | . 45 | -5.0 | -1.0 | - 4.0 |
| MW-26 | 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 |
| | 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- Trimethylbenzen e (µg/L) | 1,3,5- Trimethylbenzen e (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:

 μ g/L = micrograms per liter (parts per billion)

NS = Not sampled for this parameter

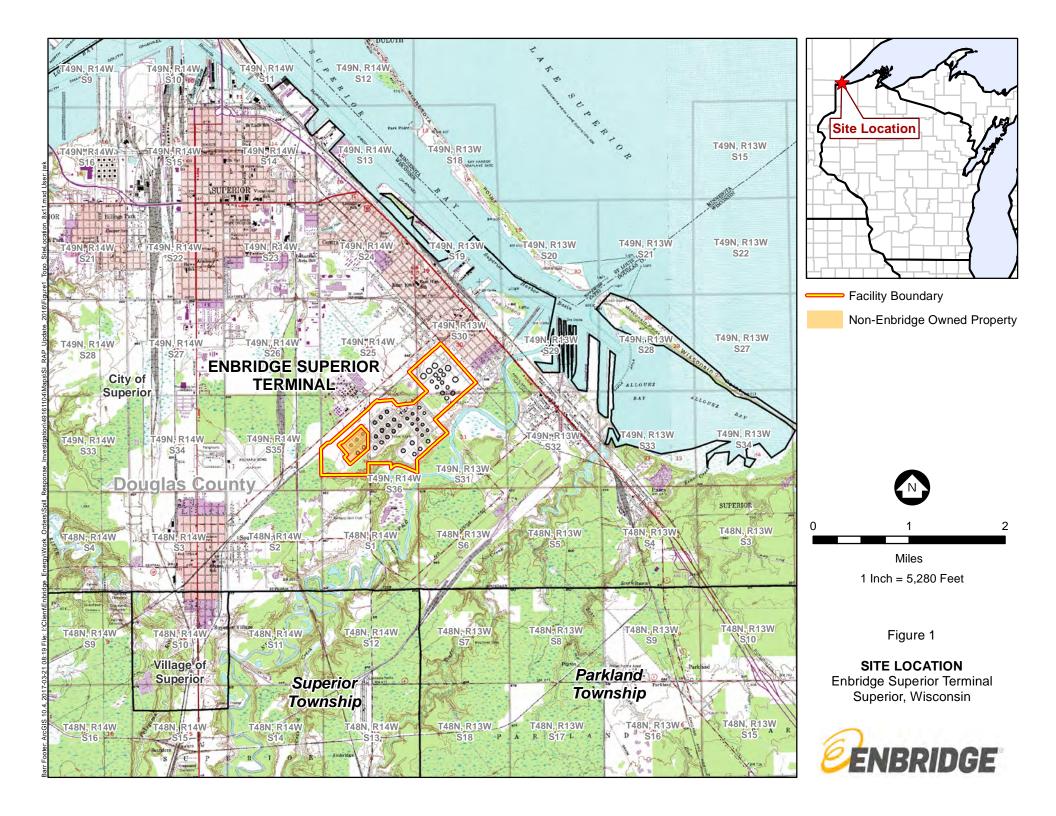
^{*} Detections are likely false positives. Samples were stored at lab in refrigerator at laboratory next to unrelated samples with high benzene and toluene concentrations.

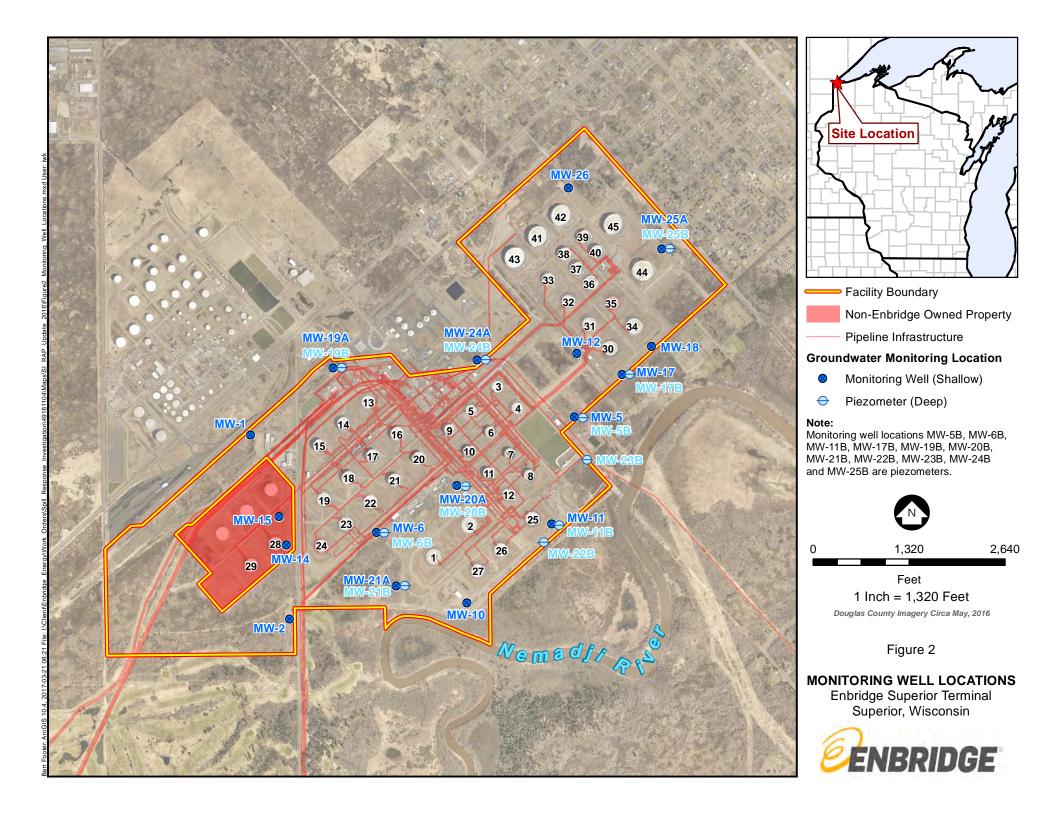
⁺ Well no longer part of the Annual Groundwater Monitoring Program

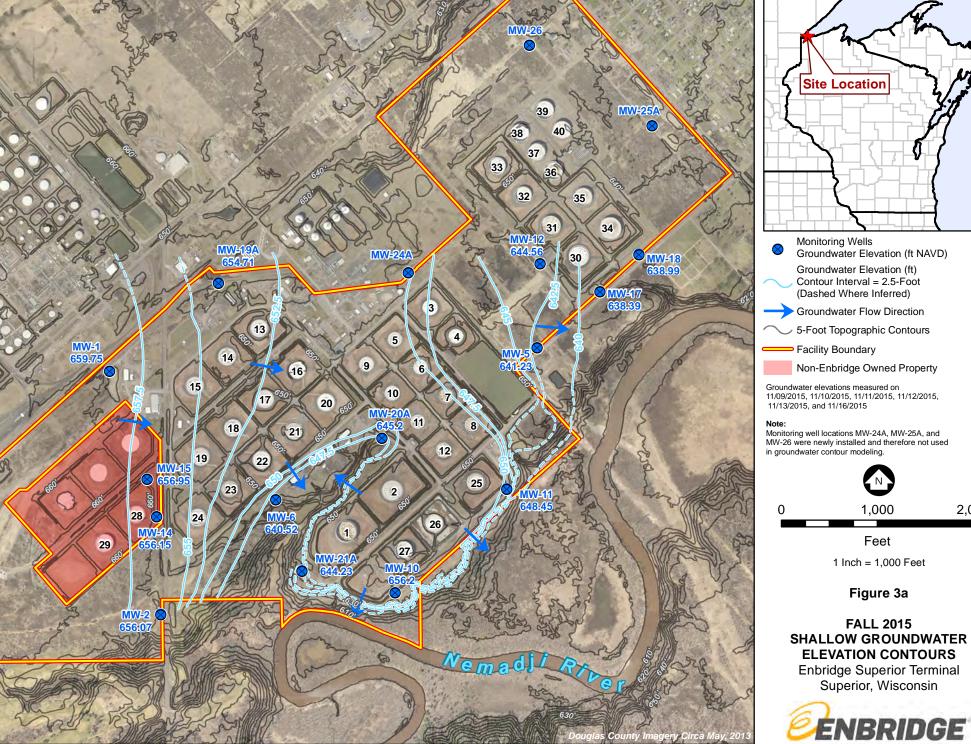
^{*} Well analyzed for full-list volatile organic compounds.

<1.0 = not detected above the laboratory practical quantitation limit

Figures

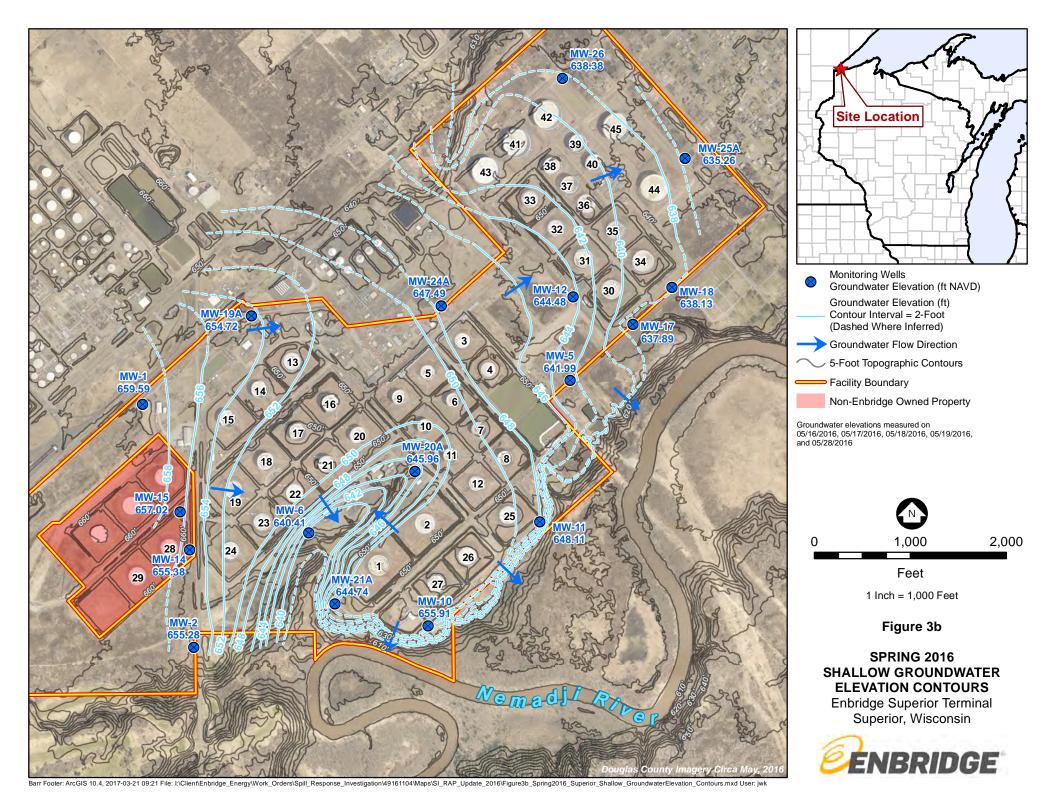


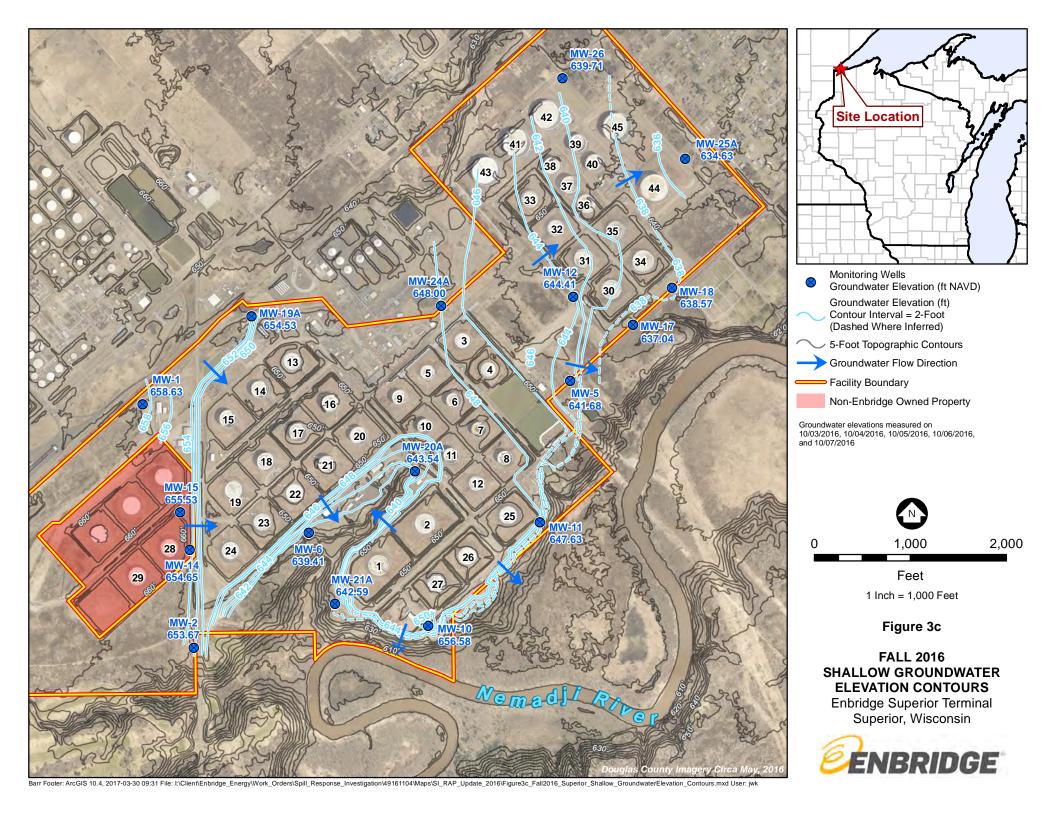


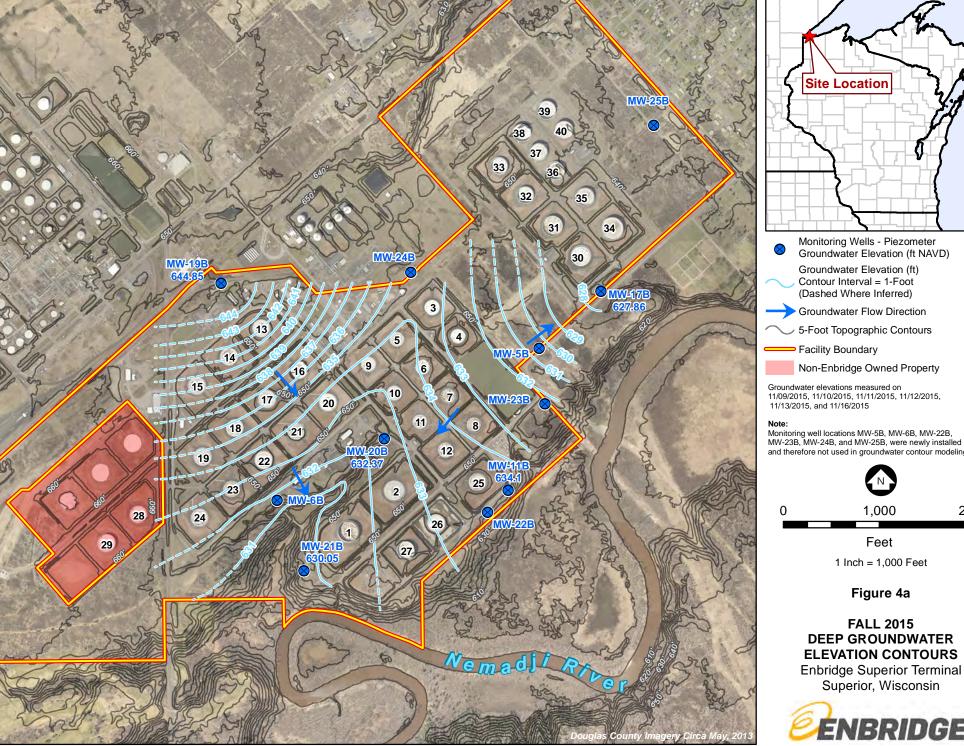


2,000

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Monitoring Wells - Piezometer Groundwater Elevation (ft NAVD) Non-Enbridge Owned Property Groundwater elevations measured on 11/09/2015, 11/10/2015, 11/11/2015, 11/12/2015,

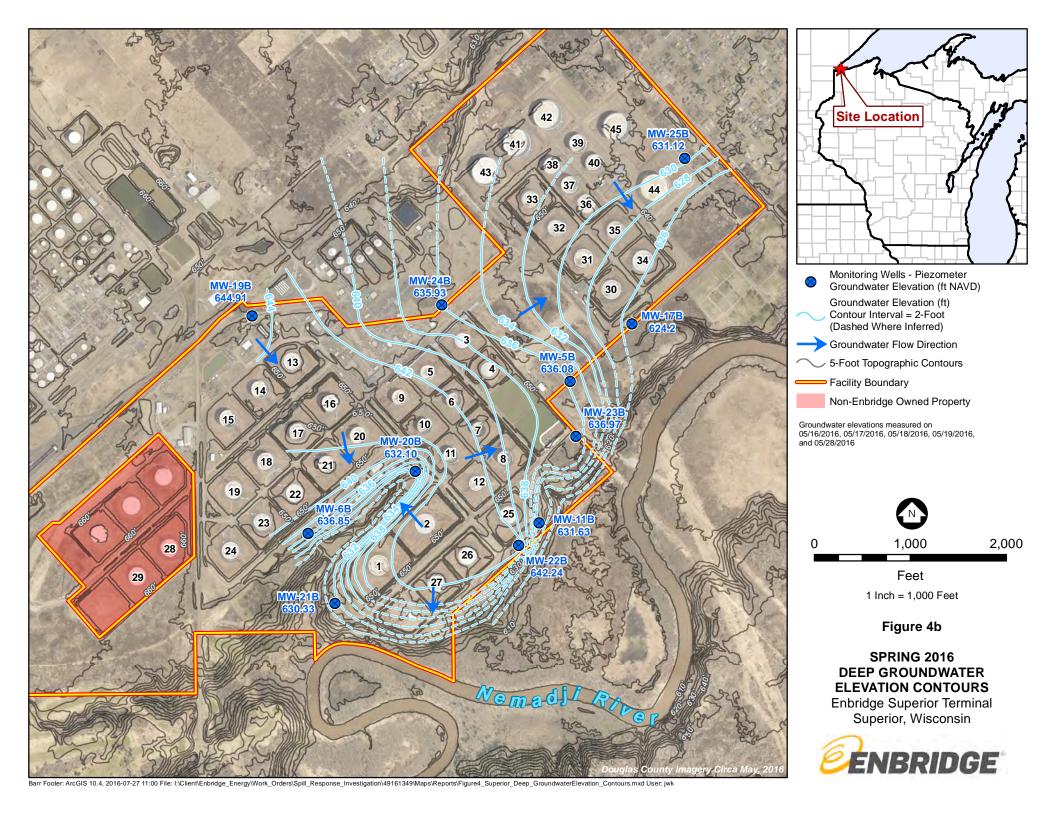
Monitoring well locations MW-5B, MW-6B, MW-22B, MW-23B, MW-24B, and MW-25B, were newly installed and therefore not used in groundwater contour modeling.

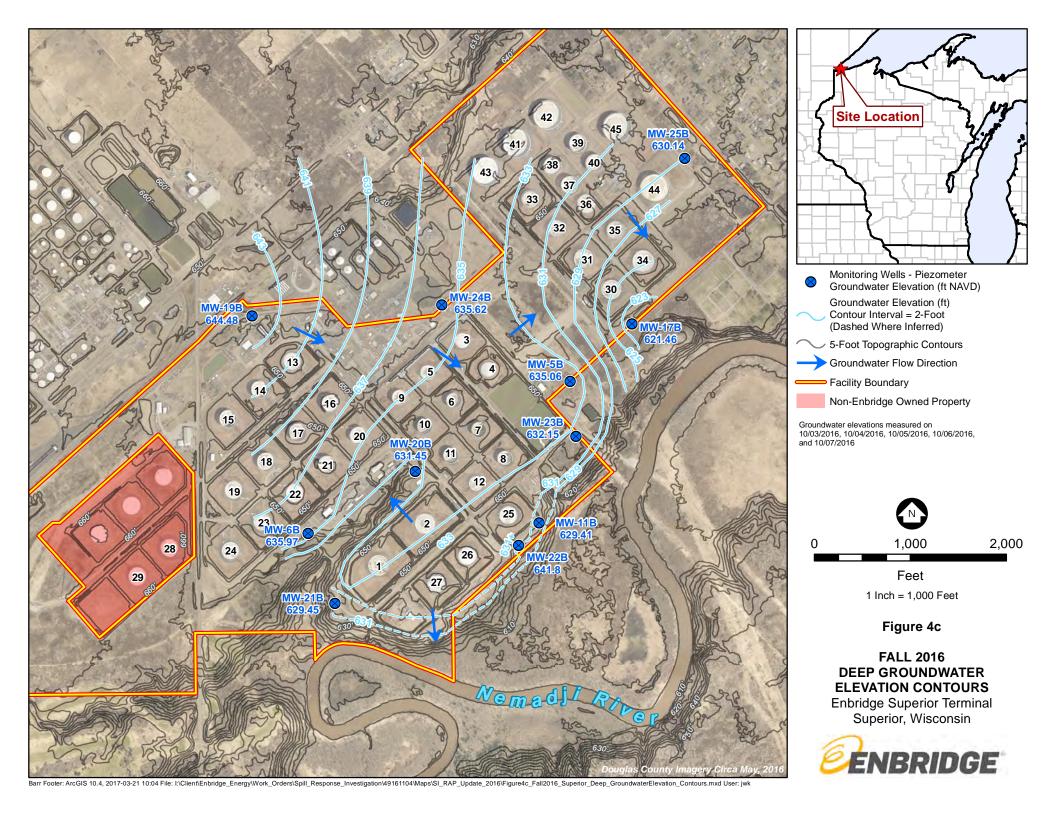


DEEP GROUNDWATER



Barr Footer: ArcGIS 10.4, 2017-03-21 09:42 File: I:\Client\Enbridge_Energy\Work_Orders\Spill_Response_Investigation\49161104\Maps\SI_RAP_Update_2016\Figure4a_Fall2015_Superior_Deep_GroundwaterElevation_Contours.mxd User: jwk

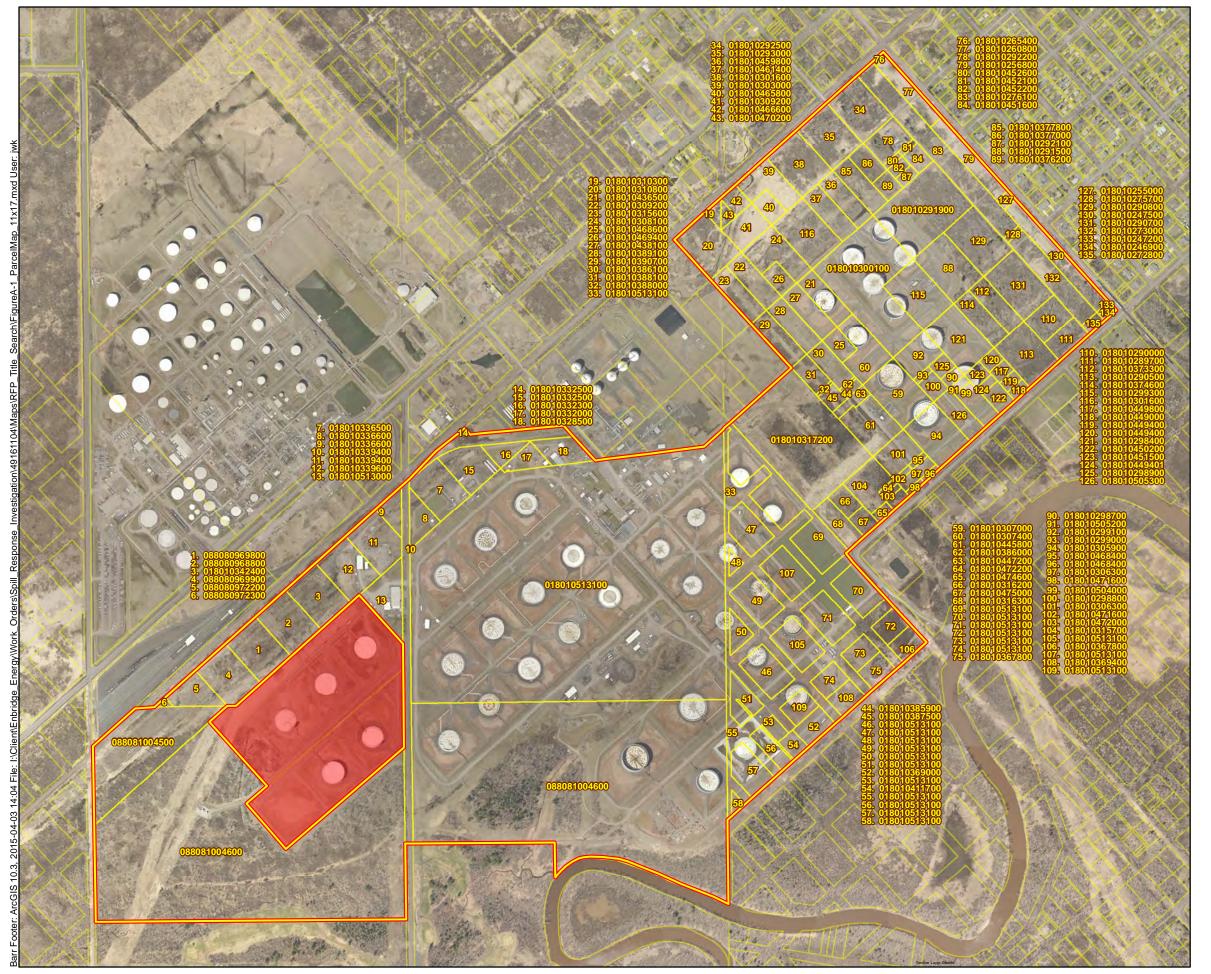


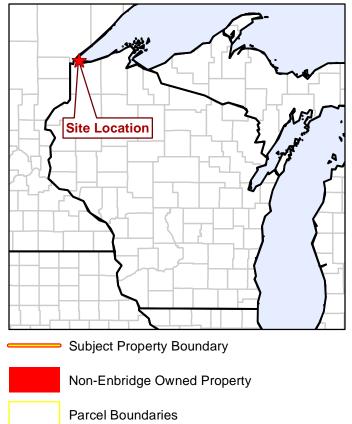


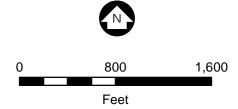
Appendices

Appendix A

Facility Parcel Maps, Property Descriptions and Deeds







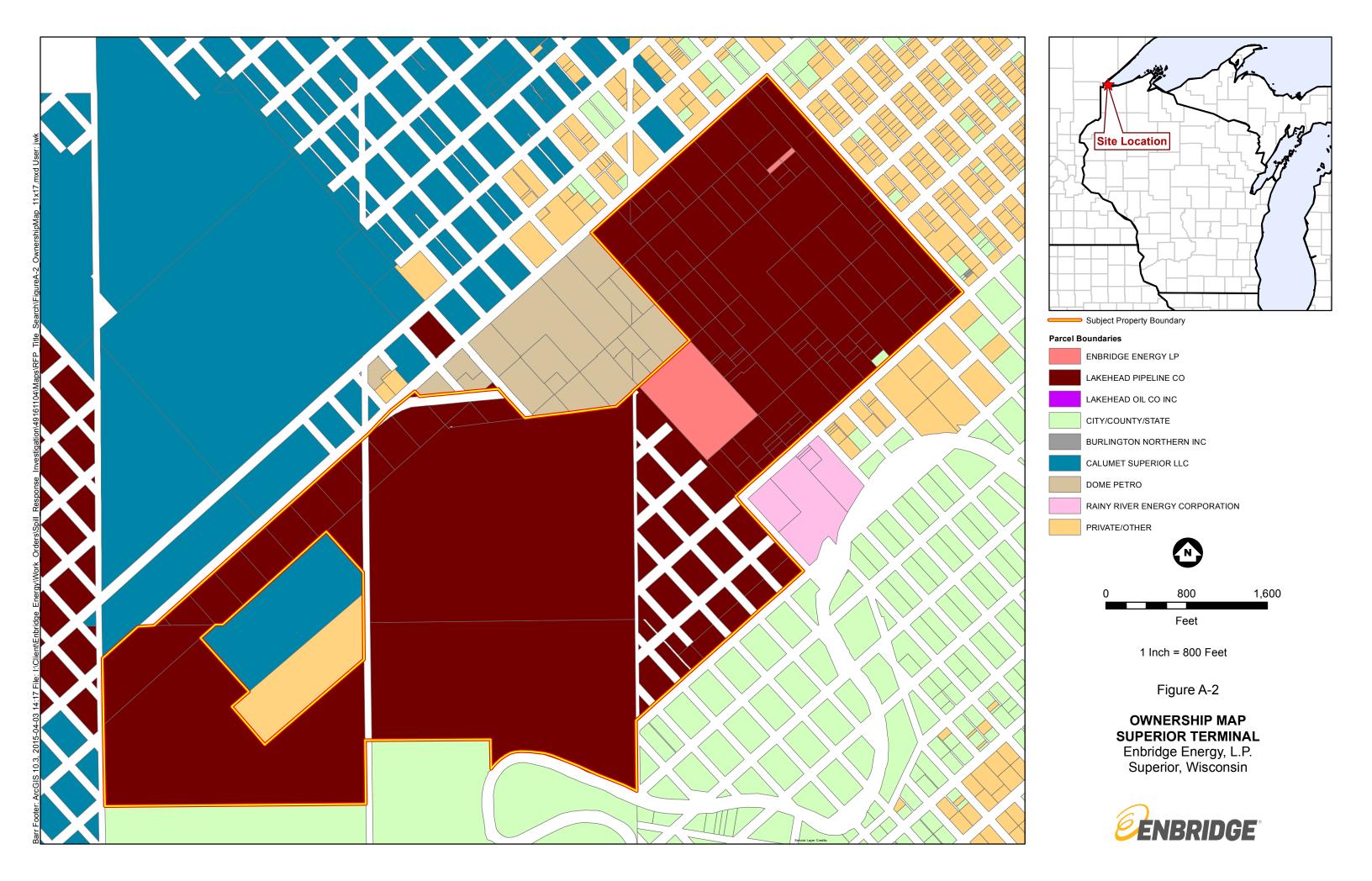
1 Inch = 800 Feet

Figure A-1

PARCEL MAP

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





Summary of Parcels and Associated Deeds Enbridge Superior Terminal

| PARCELNO | VESTING DEED | OWNER NAME | LEGALDESC |
|-----------------|-------------------|-----------------------------|--|
| | | | TOWNSITE OF SUP W 9TH ST, LOTS 2, 4 & 6 & ALLEY |
| 018010246900 | 542/156 | LAKEHEAD PIPELINE CO LTD | VACATED., 493-635 |
| | | | TOWNSITE OF SUP W 13TH ST E 1/4 NE BL 4 & STS, AVES |
| 018010298700 | 519/319 | LAKEHEAD PIPELINE CO LTD | ALLEYS VAC. 326R617 |
| | | | TOWNSITE OF SUP W 10TH STILOT 9 THRU 65, ODD NO'S, |
| 040040070000 | 540/000 | LAKELIEAD DIDELINE OO LED | AND ALLEYS, W 10TH ST, & 29TH & 30TH AVENUES E |
| 018010273000 | 519/329 | LAKEHEAD PIPELINE CO LTD | VACATED.:311-239 TOWNSITE OF SUPERIOR W 11TH STIW 1/2 BLK 9 AND W |
| 018010292200 | 519/329 | LAKEHEAD PIPELINE CO LTD | 10TH ST, W 11TH ST & 26TH AVE E VACATED |
| 018010292200 | 319/329 | LANLITEAD FIFELINE COLID | TOWNSITE OF SUP W 15TH ST NW 1/4,NE 1/4, & SW 1/4 |
| 018010308100 | 519/329 | LAKEHEAD PIPELINE CO LTD | BL 9 & STS, AVES & ALLEYS VACATED 326R617 |
| 010010000100 | 010/020 | ENINE IN ELINE OF ETB | TOWNSITE OF SUP W 10TH STILOTS 1 TO 7, ODD NO'S & |
| 018010272800 | 519/329 & 542/154 | LAKEHEAD PIPELINE CO LTD | ALLEY & W 10TH ST VAC. 493-635 |
| | | | TOWNSITE OF SUP W 23RD ST BL 12 & N 23RD & 24TH STS |
| 018010332500 | 519/329 | LAKEHEAD PIPELINE CO LTD | VAC™ 26TH AVE E VACATED |
| | | | TOWNSITE OF SUP W 25TH ST BLOCK 11 & N 24TH & 25TH |
| 018010336500 | 519/329 | LAKEHEAD PIPELINE CO LTD | STS VAC & 26TH AVE E VACATED |
| | | | TOWNSITE OF SUP W 9TH STILOTS 190 & 192 & ALLEY VAC |
| 018010265400 | 519/329 | LAKEHEAD PIPELINE CO LTD | EXC R/W.[311-304 |
| | | | TOWNSITE OF SUP W 9TH STILOTS 94 THRU 142, EVEN |
| 0.400.400.50000 | T 40/000 | LAKELIEAR RIBELINE OO LER | NO'S, AND ALLEYS & 27TH & 28TH AVENUES E VACATED EXC |
| 018010256800 | 519/329 | LAKEHEAD PIPELINE CO LTD | R/W.[327-100 |
| 019010275700 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 10TH STILOTS 67 & 69 & ALLEY & W 10TH ST VAC. 330-5 |
| 018010275700 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 11TH ST W 1/2 BL 1 AND W 10TH ST, W |
| 018010290000 | 519/329 & 542/154 | LAKEHEAD PIPELINE CO LTD | 11TH ST, & 30TH AVE E VAC |
| 01001020000 | 010/020 & 042/104 | EMERICAS I II ELINE GO ETE | MCBEAN BLKS W 15TH ST LOT 129 THRU 143 ODD NOS |
| 018010469400 | 519/329 | LAKEHEAD PIPELINE CO LTD | INCL: STS, AVES, ALLEYS VAC: 326R617 |
| | | | TOWNSITE OF SUP W 15TH STIBL 3 & STS. AVES & ALLEYS |
| | | | VACATED 326R617 EXC R/WI311D239-241 |
| 018010307000 | 519/329 | LAKEHEAD PIPELINE CO LTD | |
| | | | TOWNSITE OF SUP W 10TH STILOT 71 THRU 191, ODD NO'S, |
| | | | AND ALLEYS, W 10TH ST, & 26TH, 27TH & 28TH AVENUES E |
| 018010276100 | 519/329 | LAKEHEAD PIPELINE CO LTD | VACATED.:311-210 |
| 040040004000 | 540/000 | LAVELIEAD DIDELINE OO LTD | TOWNSITE OF SUP W 11TH STIBLKS 7 & 8 & STS, AVES, |
| 018010291900 | 519/329 | LAKEHEAD PIPELINE CO LTD | ALLEYS VAC 326R617 & #802021 TOWNSITE OF SUP W 27TH STIBLOCK 11& N 26TH & 27TH |
| 018010339400 | 519/329 | LAKEHEAD PIPELINE CO LTD | STS VAC & 26TH AVE E VACATED |
| 010010333400 | 319/323 | LANCI ILAD FIFELINE GO LI D | |
| | | | TOWNSITE OF SUP W 13TH STIBL 5 & STS, AVES & ALLEYS |
| 018010299300 | 519/329 | LAKEHEAD PIPELINE CO LTD | VAC 326R617 311-210 |
| | | · ·· <u></u> | TOWNIGHT OF CHIP WOTH OT A CALL EVALUATED OF |
| | | | TOWNSITE OF SUP W 9TH ST⊞OT 8 & ALLEY VACATED.□ |
| 018010247200 | 519/329 & 542/154 | LAKEHEAD PIPELINE CO LTD | 493-635 THRU 639 |
| | | | TOWNSITE OF SUP W 11TH STIBLK 3 AND W 10TH ST, W |
| 018010290700 | 519/329 | LAKEHEAD PIPELINE CO LTD | 11TH ST, & 29TH & 30TH AVES E VACATED.:311-240 |

| 018010386100 | 519/329 | LAKEHEAD PIPELINE CO LTD | SUBDIV OF BL 6 W 15TH STILOT 70 THRU 96 EVEN NO'S INCL STS, AVES & ALLEYS VAC 326R617 WORTLEY'S SUB DIV W 13TH ST LOTS 2 THRU 30, EVEN |
|------------------------------|--------------------|---|--|
| 018010504000 | 519/329 | LAKEHEAD PIPELINE CO LTD | 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 N 1/2 & SE 1/4 BL 5 & STS,□ AVES ALLEYS VAC 326R617 |
| 018010438100 | 519/329 | LAKEHEAD PIPELINE CO LTD | BELMONT PLACE W 15TH STILOTS 97 TO 127 INCL ODD |
| 018010449000 018010315600 | 519/329 519/329 | DOUGLAS COUNTY LAKEHEAD PIPELINE CO LTD | DAISY DIV W 12TH ST LOTS 2,4,6,8 & STS, AVES,□ ALLEYS VAC 326R617 TOWNSITE OF SUP W 16TH STIS 1/2 FR BL 10 329-469 |
| 018010342400 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 101113113 1/21 K BE 101329-409 TOWNSITE OF SUP W 29TH STIBL 111& N 28TH & 29TH STS VACI& 26TH AVE E VACATED |
| 018010301600 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 13TH STIBLKS 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 NW1/4 ☐ OF E 1/2 & THE SE1/4 OF E 1/2 507-603 |
| 018010316200 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 17TH STINW 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 STIBL 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 STIBL 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 STIBLK 5 AND W 10TH ST, W 11TH ST, & 28TH & 29TH AVES E VACATED BUTLERS & MCCABES SUB DIV OF BL 4 W 15TH ST LOTS 33 |
| 018010445800 | 519/329 | LAKEHEAD PIPELINE CO LTD | 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 STIBL 11 EXC PT CONV 308D506 & 26TH AVE E VACATED 86A311 |

| | | 1 | |
|--------------|-------------------|-------------------------------------|---|
| 018010310300 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 15TH STIWEST OF VILLARD AVENUE BLOCK 11 & 1/2 STS, AVES, ALLEYS VAC 326R617 |
| | | | MCBEAN BLKS W 15TH ST EtVILLARD AVE LOTS 178 THRU□ FR LOT 192 EVEN NO'S BL 11 114TH ST & STS, AVES,□ |
| 018010466600 | 519/329 | LAKEHEAD PIPELINE CO LTD | ALLEYS VAC 326R617 |
| 018010472200 | 519/329 | LAKEHEAD PIPELINE CO LTD | MCBEAN BLKS W 17TH ST LOTIS 14 & 16 BL 1 W 16TH ST□ & STS, AVES, ALLEYS VAC.I326R617 507-603 |
| 018010298800 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 13TH ST |
| 018010449401 | 519/329 & 542/154 | LAKEHEAD PIPELINE CO LTD | DAISY DIVISION W 13TH ST⊞OTS 19, 21 & 23 & STS□ AVES & ALLEYS VACATED 326R617 |
| 018010260800 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 9TH ST TOTS 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 STIW 1/4 SE BL 4 & STS, AVES ALLEYS VAC 326R617 |
| 018010450200 | 519/329 | LAKEHEAD PIPELINE CO LTD | DAISY DIV W 13TH ST LOTS THRU 17 ODD NOS INCL & STS, AVES, ALLEYS VAC 326R617 |
| 018010247500 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 9TH STILOT 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⊞OT 129 TO 159 INC ODD NOS & STS, AVES, ALLEYS VAC 326R617 |
| 018010468600 | 519/329 | LAKEHEAD PIPELINE CO LTD | MCBEAN BLKS W 15TH ST LOT®1 THRU 95 ODD NOS INCL□ & STS, AVES, ALLEYS VAC®326R617®311-239 |
| 018010475000 | 519/329 | LAKEHEAD PIPELINE CO LTD | MCBEAN BLOCKS W 17TH ST⊞OTS 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 STILOTS 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 |
| | | | EUCLID PLACE, W 11TH ST□ LOTS 141 & 143, W 11TH ST, & ALLEY & W 11TH ST VACATED.□ |
| 018010452600 | 793535 | ENBRIDGE ENERGY LIMITED PARTNERSHIP | TOWNSITE OF SUP W 27TH STIBLOCK 12 & N 27TH & 28TH |
| 018010339600 | 519/329 | LAKEHEAD PIPELINE CO LTD | STS VACI& 26TH AVE E VACATED |
| 018010390700 | 519/329 | LAKEHEAD PIPELINE CO LTD | SUBDIV OF BL 8 W 15TH ST⊞OTS 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 1326R617 |

| 018010255000 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 9TH STILOTS 86,88,90 & 92 & ALLEY VACATED, EXC R/W.i311-304 |
|--------------|-------------------|-------------------------------------|---|
| 018010385900 | 519/329 & 542/154 | LAKEHEAD PIPELINE CO LTD | SUBDIV OF BL 6 W 15TH ST LLOT 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⊞OT 77THRU 95 ODD NO'S□ INCL & STS, AVES, ALLEYS DAC 326R617 |
| 018010459800 | 519/329 | LAKEHEAD PIPELINE CO LTD | HARTOPP PLACE W 13TH ST⊞OTS 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⊞OTS 65 THRU 73, ODD NO'S□ INCL & STS, AVES, ALLEYS DVAC 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 & WICENTERLINE 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 STRAW A DIST. OF 1760.55' THENCE E'LY AT AN ANGLE |
| 018010471600 | 519/329 | LAKEHEAD PIPELINE CO LTD | MCBEAN BLKS W 15TH STILOTS 1,3,13 & 15 BL 2 16THIST & STS, AVES, ALLEYSIVAC 326R617I311-239 |
| 018010452100 | 793535 | ENBRIDGE ENERGY LIMITED PARTNERSHIP | EUCLID PLACE, W 11TH ST⊞OTS 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 |
| 018010303000 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 13TH STIW 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 STILOTS 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 |

| ALL THAT PORTION OF NW OTG SW OTR SEC 36-49-14 LYING SW OTR SEC 36-49-14 LYING SELY OF NW'LY LINE OF RW OF NP RY CO AS ORIGINALLY LINE OF NP RY CO AS ORIGINALLY LINE DRAWN DEVELOPMENT OF NP RY CO AS ORIGINALLY LINE DRAWN DEVELOPMENT SO DE SOL DEVELOPMENT SO DE SOL DEVELOPMENT SOL DE SOL DEVELOPMENT SOL DE SOL DEVELOPMENT SOL DE SOL DEVELOPMENT SOL DE S |
|--|
| SELY OF NWLY LINE OF RW OF NP RY CO AS ORIGINALLY LOCATED & NW'LY LINE DRAWN PARALLEL WITH SELY OF & EVERYWHERE DISTANT 500' SELY OF THE NW'LY LINE OF SAID RW WHEN MEASURED AT RIGHT ANGL TOWNSITE OF SUP W 29TH ST BL 12 & N 29TH, 30TH & 26TH AVE EAST VACATED SI/2 SEC 36-49-14 EXCEPT THE FOLLOWING DESCR TRACTS: OF LAND: (A) GOVT LOT 1;(B) A STRIP OF LAND APPROX 400 FT WIDE THRU THE NW14/SW 1/4 LYING SELY OF & ADJACENT TO THE PRESENT NP RW; (C) A TRIANGULAR PIECELYING NWLY OF NP RW DESC/85 D 9 O88080969800 S19/329 LAKEHEAD PIPELINE CO LTD O88080969800 O88080969800 S19/329 LAKEHEAD PIPELINE CO LTD O88080969800 S19/329 LAKEHEAD PIPELINE CO LTD TOWNSITE OF SUP W 33RD STIFR BL 11 & W 32ND & 33RD STREETS VACATED TOWNSITE OF SUP W 31ST STIBL 11 & W 30TH, 31ST & O88080969800 S19/329 LAKEHEAD PIPELINE CO LTD TOWNSITE OF SUP W 15TH STIN 1/2 BL 10 & E 1/2 BL 11 TOWNSITE OF SUP W 15TH STIN 1/2 BL 10 & E 1/2 BL 11 TOWNSITE OF SUP W 15TH STIN 1/2 BL 10 & E 1/2 BL 11 TOWNSITE OF SUP W 15TH STIN 1/2 BL 10 & E 1/2 BL 11 TOWNSITE OF SUP W 15TH STIN 1/2 BL 10 & E 1/2 BL 11 TOWNSITE OF SUP W 15TH STIN 1/2 BL 10 & E 1/2 BL 11 TOWNSITE OF SUP W 15TH STIN 1/2 BL 10 & E 1/2 BL 11 TOWNSITE OF SUP W 15TH STIN 1/2 BL 10 & E 1/2 BL 11 TOWNSITE OF SUP W 15TH STIN 1/2 BL 10 & E 1/2 BL 11 TOWNSITE OF SUP W 15TH STIN 1/2 BL 10 & E 1/2 BL 11 TOWNSITE OF SUP W 15TH STIN 1/2 BL 10 & E 1/2 BL 11 TOWNSITE OF SUP W 15TH STIN 1/2 BL 10 & E 1/2 BL 11 TOWNSITE OF SUP W 15TH STIN 1/2 BL 10 & E 1/2 BL 11 TOWNSITE OF SUP W 15TH STIN 1/2 BL 10 & E 1/2 BL 11 TOWNSITE OF SUP W 15TH STIN 1/2 BL 10 & E 1/2 BL 11 TOWNSITE OF SUP W 15TH STIN 1/2 BL 10 & E 1/2 BL 11 TOWNSITE OF SUP W 15TH STIN 1/2 BL 10 & E 1/2 BL 11 TOWNSITE OF SUP W 15TH STIN 1/2 BL 10 & E 1/2 BL 11 TOWNSITE OF SUP W 15TH STIN 1/2 BL 10 & E 1/2 BL 11 TOWNSITE OF SUP W 15TH STIN 1/2 BL 10 & E 1/2 BL 10 TOWNSIT |
| OF NP RY CO AS ORIGINALLY□ LOCATED & NW1Y LINE DRAWN□ PARALLEL WITH SETY OF &□ EVERYWHERE DISTANT 500□ SSELY OF THE NW1Y LINE OF□ SAID RW WHEN MEASURED AT□ RIGHT ANGL TOWNSITE OF SUP W 29TH ST□ BL 12□ & N 29TH, 30TH & 26TH AVE□ EAST VACATED S 1/2 SEC 36-49-14 EXCEPTITHE FOLLOWING DESCR TRACTS:OF LAND: (A) GOVT LOT 1; (B) A STRIP OF LAND APPROX 400 FT WIDE THRU THE NW1/4 SW 1/4 LYING SELY OF & ADJACENT TO THE PRESENT NP RW; (C) A TRIANGULAR PIECEILYING NW1LY OF NP RW DESC/85 D 9 TOWNSITE OF SUP W 33RD ST/FR BL 11 & W 32ND & 33RD□ 088080969800 519/329 LAKEHEAD PIPELINE CO LTD TOWNSITE OF SUP W 31ST ST/BL 11 & W 30TH, 31ST &□ TOWNSITE OF SUP W 31ST ST/BL 11 & W 30TH, 31ST &□ TOWNSITE OF SUP W 15TH ST/IN 1/2 BL 10 & E 1/2 BL 11□ TOWNSITE OF SUP W 15TH ST/IN 1/2 BL 10 & E 1/2 BL 11□ |
| LOCATED & NW'LY LINE DRAWN PARALLEL WITH SELY OF & □ EVERYWHERE DISTANT 500" SELY OF THE NW'LY LINE OF □ SAID RW WHEN MEASURED AT □ RIGHT ANGL O88081004500 519/329 LAKEHEAD PIPELINE CO LTD O88080968800 519/329 LAKEHEAD PIPELINE CO LTD O88081004600 519/329 LAKEHEAD PIPELINE CO LTD O88080972200 519/329 LAKEHEAD PIPELINE CO LTD O88080972200 519/329 LAKEHEAD PIPELINE CO LTD O88080969800 519/329 LAKEHEAD PIPELINE CO |
| PARALLEL WITH SE'LY OF &□ |
| EVERYWHERE DISTANT 500" SE'LY OF THE NW'LY LINE OF |
| SE'LY OF THE NW'LY LINE OF |
| SAID R/W WHEN MEASURED AT □ |
| 088081004500 519/329 LAKEHEAD PIPELINE CO LTD RIGHT ANGL 088080968800 519/329 LAKEHEAD PIPELINE CO LTD EAST VACATED 088081004600 519/329 LAKEHEAD PIPELINE CO LTD S 1/2 SEC 36-49-14 EXCEPT:THE FOLLOWING DESCR TRACTS:0F LAND: (A) GOVT LOT 1; (B) A STRIP OF LAND APPROX:400 FT WIDE THITM PIRE NW1/4:SW 1/4 LYING SE'LY OF & ADJACENT TO THE PRESENT NP:RW; (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 S |
| TOWNSITE OF SUP W 29TH ST |
| TOWNSITE OF SUP W 29TH ST |
| BL 12 |
| 088080968800 519/329 LAKEHEAD PIPELINE CO LTD & N 29TH, 30TH & 26TH AVE□ EAST VACATED S 1/2 SEC 36-49-14 EXCEPT THE FOLLOWING DESCR TRACTS OF LAND: (A) GOVT LOT 1; (B) A STRIP OF LAND APPROX:400 FT WIDE THRU THE NW1/4 SW 1/4 LYING SE'LY OF & ADJACENT TO THE PRESENT NP.RW; (C) A TRIANGULAR PIECE LYING NW'LY OF NP R/W DESC:85 D 9 088081004600 519/329 LAKEHEAD PIPELINE CO LTD TOWNSITE OF SUP W 33RD STIFR BL 11 & W 32ND & 33RD□ STREETS VACATED 088080969800 519/329 LAKEHEAD PIPELINE CO LTD TOWNSITE OF SUP W 31ST STIBL 11 & W 30TH, 31ST &□ 26TH AVE EAST VACATED 088080969800 519/329 LAKEHEAD PIPELINE CO LTD TOWNSITE OF SUP W 15TH STIN 1/2 BL 10 & E 1/2 BL 11□ |
| D88080968800 519/329 LAKEHEAD PIPELINE CO LTD EAST VACATED |
| S 1/2 SEC 36-49-14 EXCEPT THE FOLLOWING DESCR TRACTS OF LAND: (A) GOVT LOT 1; (B) A STRIP OF LAND APPROX 400 FT WIDE THRU THE NW1/4 SW 1/4 LYING SE'LY OF & ADJACENT TO THE PRESENT NP RW; (C) A TRIANGULAR PIECE LYING NW'LY OF NP RW DESC 85 D 9 O88080972200 |
| TRACTSIOF LAND: (A) GOVT LOT 1; (B) A STRIP OF LAND 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 1088080972200 1088080972200 1098080972200 1098080972200 109808099800 10990999999 1099099999 10990999999 10990999999 10990999999 1099099999999 |
| 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 1088080972200 1088080972200 1088080969800 108808080969800 108808080969800 10880808080800000000000000000000000 |
| 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 O88080972200 |
| 088081004600 519/329 LAKEHEAD PIPELINE CO LTD 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 ST REETS VACATED 088080969800 519/329 LAKEHEAD PIPELINE CO LTD TOWNSITE OF SUP W 31ST ST BL 11 & W 30TH, 31ST & 26TH AVE EAST VACATED TOWNSITE OF SUP W 15TH ST IN 1/2 BL 10 & E 1/2 BL 11 □ TOWNSITE OF SUP W 15TH ST IN 1/2 BL 10 & E 1/2 BL 11 □ |
| 088081004600 519/329 LAKEHEAD PIPELINE CO LTD 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 ST REETS VACATED 088080969800 519/329 LAKEHEAD PIPELINE CO LTD TOWNSITE OF SUP W 31ST ST BL 11 & W 30TH, 31ST & 26TH AVE EAST VACATED TOWNSITE OF SUP W 15TH ST IN 1/2 BL 10 & E 1/2 BL 11 □ TOWNSITE OF SUP W 15TH ST IN 1/2 BL 10 & E 1/2 BL 11 □ |
| 088081004600 519/329 LAKEHEAD PIPELINE CO LTD TOWNSITE OF SUP W 33RD ST FR BL 11 & W 32ND & 33RD |
| 088080972200 519/329 LAKEHEAD PIPELINE CO LTD STREETS VACATED 088080969800 519/329 LAKEHEAD PIPELINE CO LTD TOWNSITE OF SUP W 31ST ST BL 11 & W 30TH, 31ST &□ 26TH AVE EAST VACATED TOWNSITE OF SUP W 15TH ST IN 1/2 BL 10 & E 1/2 BL 11 □ TOWNSITE OF SUP W 15TH ST IN 1/2 BL 10 & E 1/2 BL 11 □ |
| 088080972200 519/329 LAKEHEAD PIPELINE CO LTD STREETS VACATED 088080969800 519/329 LAKEHEAD PIPELINE CO LTD TOWNSITE OF SUP W 31ST ST BL 11 & W 30TH, 31ST &□ 26TH AVE EAST VACATED TOWNSITE OF SUP W 15TH ST IN 1/2 BL 10 & E 1/2 BL 11 □ TOWNSITE OF SUP W 15TH ST IN 1/2 BL 10 & E 1/2 BL 11 □ |
| 088080972200 519/329 LAKEHEAD PIPELINE CO LTD TOWNSITE OF SUP W 31ST ST BL 11 & W 30TH, 31ST &□ 26TH AVE EAST VACATED TOWNSITE OF SUP W 15TH ST N 1/2 BL 10 & E 1/2 BL 11 □ |
| 088080969800 519/329 LAKEHEAD PIPELINE CO LTD 26TH AVE EAST VACATED TOWNSITE OF SUP W 15TH ST IN 1/2 BL 10 & E 1/2 BL 11 □ |
| TOWNSITE OF SUP W 15TH ST N 1/2 BL 10 & E 1/2 BL 11 = |
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| |
| 19 C1C AVEC 9 ATTEVC (AVEC 9 ATTEVC) ATTEVC (AVEC 9 ATTEVC (AVEC 9 ATTEVC) ATTEVC (AV |
| 018010309200 519/329 LAKEHEAD PIPELINE CO LTD |
| TOWNSITE OF SUP E 21ST ST E 1/2 BL 3 & E 22ND ST □ |
| 018010369000 519/329 LAKEHEAD PIPELINE CO LTD VACATED |
| TOWNSITE OF SUP W 11TH ST BLK 11 AND W 10TH ST, W |
| 018010292500 519/329 LAKEHEAD PIPELINE CO LTD 11TH ST & 26TH AVE E VACATED |
| DELMONT DI ACE WASTU CITATO CO TO 400 INCI. EVENIO |
| BELMONT PLACE W 15TH STILOTS 98 TO 128 INCL EVEN |
| 018010436500 519/329 LAKEHEAD PIPELINE CO LTD NOS W 14TH ST & STS, AVES ALLEYS VAC 326R617 |
| SUBDIV OF BL 6 W 15TH ST (LOT 68 W 15TH ST R/W &□ |
| 018010386000 519/329 & 542/154 LAKEHEAD PIPELINE CO LTD STS, AVES, ALLEYS VAC. 326R617 |
| |
| TOWNSITE OF SUP W 13TH STBLS 6,7,8 & STS, AVES &□ |
| 018010300100 519/329 LAKEHEAD PIPELINE CO LTD ALLEYS VAC 326R617 |
| SUBDIV OF BL 4 E 23RD ST/LOTS 49.51,53,55,57,59.□ |
| 018010411700 519/329 LAKEHEAD PIPELINE CO LTD 61 & 63 E 22ND ST & E 22ND ST VACATED |
| DIGOTOTITIOS STORES LAINEINE CO ETD OT & 03 E ZZIND ST & E ZZIND ST VACATED |
| WORTLEY'S SUB DIV W 13TH ST LOT 32 W 13TH ST & STS |
| 018010505200 519/329 & 542/154 LAKEHEAD PIPELINE CO LTD AVES, ALLEYS VAC 326R617 |
| 018010505200 519/329 & 542/154 LAKEHEAD PIPELINE CO LTD /// 5,7/222 10 17/0 025/1017 |
| TOWNSITE OF SUP W 13TH ST⊞L 3 & STS, AVES, ALLEYS,□ |
| VAC 326R617/310-529 |
| 018010298400 519/329 LAKEHEAD PIPELINE CO LTD |
| |
| MCBEAN BLKS W 15T ST FRILOT 177 THRU FR LOT 183 |
| MCBEAN BLKS W 15T ST FR⊞OT 177 THRU FR LOT 183□ ODD NOS INCL BL 11 W 15TH ST, & STS, AVES, ALLEYS□ 018010470200 519/329 LAKEHEAD PIPELINE CO LTD VAC 326R617 311-239 |

| | | | SUB DIV OF BL 4 W 11TH ST⊞OT 33 THRU LOT 63 ODD□ |
|--------------|---|--------------------------------------|---|
| 018010374600 | 519/329 | LAKEHEAD PIPELINE CO LTD | NO'S INCL & STS, AVES, ALLEY VAC 326R617 |
| | | | TOWNSITE OF SUP W 15TH ST□ |
| | | | BL 1 & STS, AVES, ALLEYS |
| 018010305900 | 519/329 | LAKEHEAD PIPELINE CO LTD | VAC 326R617 |
| | | | MCBEAN BLKS W 13TH ST LOT |
| | | | 161 THRU 175 ODD NOS INCL |
| 018010465800 | 519/329 | LAKEHEAD PIPELINE CO LTD | & STS, AVES, ALLEYS VAC□ 326R617 |
| 010010403000 | 319/329 | EARLITEAD FIFELINE GO LID | MCBEAN BLKS W 15TH ST LOT |
| | | | 2.4,14 & 16 & STS, AVES, □ |
| | | | ALLEYS VAC 326R617 |
| 018010468400 | 519/329 | LAKEHEAD PIPELINE CO LTD | 311-302 |
| 040040040000 | 540/000 | LAVELIEAD DIDELINE COLLED | TOWNSITE OF SUP W 17TH STIS 1/2 BL 2/297-84 & 507-603 |
| 018010316300 | 519/329 | LAKEHEAD PIPELINE CO LTD | I SUB DIV OF BL 6 W 15TH ST LOT 75 W 16TH ST & STS.□ |
| 018010388000 | 519/329 & 542/154 | LAKEHEAD PIPELINE CO LTD | AVES, ALLEYS VAC 326R617 |
| | | | SUBDIV OF BL 8 W 15TH STLOTS 98 THRU 128, EVEN #S |
| 018010389100 | 519/329 | LAKEHEAD PIPELINE CO LTD | INCL STS, AVES, ALLEYS VAC 326R617 |
| 018010369400 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP E 21ST ST |
| 018010367800 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP E 19TH ST E 1/2 BL 3 & E 1/2 BL 4 |
| | | | SUB DIV OF BL 10, W 11TH ST LOTS 142 THRU 160 EVEN |
| | | | NO'S, & STS, AVES, ALLEYS VAC. 326R617 & #802021. 329-400 |
| 018010377000 | 519/329 | LAKEHEAD PIPELINE CO LTD | |
| 049040472000 | 507/603 | LAVEHEAD DIDELINE COLLED | MCBEAN BLKS W 17TH STILOTS 10 & 12 BL 1 W 16TH |
| 018010472000 | | LAKEHEAD PIPELINE COLLTD | ST & STS, AVES, ALLEYS VAC 326R617 507-603 TOWNSITE OF SUP W 33RD ST FR BL 12 & W 33RD ST VAC |
| 088080972300 | 519/329 | LAKEHEAD PIPELINE CO LTD | TOWNSITE OF SUP W 25TH STIBLOCK 12 EXC STS |
| 018010336600 | 519/329 | LAKEHEAD PIPELINE CO LTD | & N 25TH & 26TH STS VAC & 26TH AVE E VACATED |
| 010010330000 | 313/323 | LAKETIEAD I II ELINE OO ETD | EUCLID PLACE. W 11TH STILOTS 133.135.137 & 139. W 11TH |
| 018010452200 | 519/329 | LAKEHEAD PIPELINE CO LTD | ST, AND ALLEY & W 11TH ST VACATED. 310-484 |
| | | | TOWNSITE OF SUP W 21ST ST BL 10 (EXC R/W) LYING S |
| 018010328500 | 519/329 & 542/154 | LAKEHEAD PIPELINE CO LTD | OF IR/W, & W 22ND ST VACATED |
| | | | TOWNSITE OF SUP W 23RD ST W 1/2 BL 9 & 26TH AVE E |
| 018010332000 | 519/329 | LAKEHEAD PIPELINE CO LTD | VAC & E 22ND ST VACATED |
| | | | 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 |
| 018010317200 | 519/329 & 542/154 & 507/603 & 832371 | ENBRIDGE ENERGY LIMITED PARTNERSHIP | FORMER PARCELS 1-03166, 1-03167, 1-03169, 1-03171, 1-03174, 1-03176, 1-04757, 1-04758) |
| 010010317200 | 315/529 & 542/154 & 501/505 & 6525/1 | ENDINDOL LINENOT LIMITED FAITHERSHIP | 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',□ |
| 018010513100 | 519/329 | LAKEHEAD PIPELINE CO LTD | 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.

VOL 50 7 PAGE 608 STATE BAR OF WISCONSIN FORM 3-1982 THIS SPACE RESERVED FOR RECORDING DATA QUIT CLAIM DEED

633486

| | 1 |
|--|--|
| Dome Petroleum Corp., a North Dakota corporation, and Amoco Production Company, a Delaware corporation | OFFICE OF REGISTER OF DEED DOUGLAS COUNTY WISCONSIN Received for record this |
| the following described real estate in Douglas County, | FEB 28 1991 at 3:00 O'Clock P. M. and records in Volume 507 of records on page 603 REGISTER REVENT TO KEN MCKENNA Lakehead Pipe Line Company, Inc. |
| The state of the s | 119 N. 25th Street East Superior NI 54880 \$17.40 paid Fax Parcel No: |

SEE LEGAL DESCRIPTION ON ATTACHED EXHIBIT A

TRANSFER \$.56.00 FEF

| | • |
|--|--|
| Thisis not homestead property. | |
| Dated this | |
| DOME PETROLEUM CORP. day of | February 19 91 |
| Dur v Arian | AMOCO PRODUCTION COMPANY |
| (SEAL) | By: |
| Fil Darantuk Vice President | (SEAL) |
| The street of th | • T. Don Stacy, Vice President |
| street: (SEAL) | 4 |
| AG Kritica Accessor C | Attest: Xerry M. Charles Alle |
| A.G. Kruse, Assistant Secretary | The state of the s |
| ** CORPORATE SEAL] | Assistant Sedretary |
| - Andrews | [CORPORATE SEAL] |
| ANGENTICATION | ACKNOWLEDGMENT |
| Signature(s) | |
| | STATE OF WISCONSIN |
| *************************************** | 250 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |
| nuthenticated thisday of | County. |
| | Personally came before me thisday of |
| | 19.91. the above named |
| * | A |
| TITLE: MEMBER STATE BAR OF WISCONSIN | *************************************** |
| (If not. | *************************************** |
| authorized by § 706.06, Wis. Stats.) | *************************************** |
| | to me known to be the person |
| THIS INSTRUMENT WAS DRAFTED BY | foregoing instrument and acknowledge the same. |
| .Attorney Harvey I. Tembin of | |
| | |
| Foley & Lardner | Natora D. IV |
| (Signatures may be authenticated or acknowledged. Both are not necessary.) | |
| not necessary.) | permanent. (11 not, state expiration |
| | date |

$\texttt{VOL}\, 50\, 7 \texttt{PAGE}\, 60\, 4$

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.

- State

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

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

VOL 507 PAGE 605

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.

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

FRANCINE SWANSON
A Notary Public

in and for the Province of Alberta

VOL. 507 PAGE 606

ACKNOWLEDGEMENT

Personally came before me this $\underline{20th}$ day of February, 1991 the above namedJerry M. Grossto 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

Notary Public, Cook County, Illinois My Commission is/expires

6/2/92

"OFFICIAL SEAL"
BERDIA L. MILTON
Notary Public, State of Illinois
My Commission Expires June 2, 1992

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 (Nh of Wh of Eh) and South Half of East Quarter (Sh of Eh); and Block Two (2), including any vacated adjoining streets and alleys, except all of the McBean Blocks subdivision of Northeast Quarter (NEW) and the Southerly The Easterly 100 0 feet of the McBean

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 (Sk) 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) of
Why of Ek), 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 (5% of E%), 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 (NEL), 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 (N4), 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 Wayrenville, IL 60555

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. WAHNER
DOUGLAS COUNTY RECORDER
SUPERIOR, WI 54880-2769
Fee Amount: \$15.88

Fee Amount: Transfer Fee:

\$225.00

2 70cm

QUITCLAIM DEED (WITHOUT WARRANTIES)

Superior, WI

RedurnTo Enbridge Ath: Mark Olson 119 N. 25th St E Superior WI 54890

15/cx

KNOW ALL MEN BY THESE PRESENTS:

Far cel No. 01-801-03287-00
01-801-03169-00
01-801-03158-00
01-801-03176-00
01-801-03171-00
01-801-03167-00
STATE OF WISCONSIN

COUNTY OF DOUGLAS

Ş

That the undersigned, DOME 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 54830 ("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: Name:

Name: Its: Jane E. Klewin

Vice President

and

BP AMERICA PRODUCTION COMPANY

By:

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

Notary Public in and for the State of Illinois

OFFICIAL SEAL
DEBRA A DOWLING
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES 05/11/12

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.

Document Number

STATE BAR OF WISCONSIN FORM 1-1998 **WARRANTY DEED**

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").

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

DOCUMENT # 793535

Certified, Filed and or Recorded on FEB. 22,2006 AT 01:50:00PM KATHY F. HANSON DOUGLAS COUNTY RECORDER SUFERIOR, WI 54880-2769

Fee Amount: \$23.00 Transfer Fee: \$450.00

Name and Return Address Mike Harris

Enbridge Energy 119 N. 25th Street E.

Superior, WI 54880

DCA 23Ch

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

01-801-04527-00

Parcel Identification Number (PIN)

This is not homestead property.

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 Dolite (SEAL) | (SEAL) |
|--|--|
| ROBERT J. DOOLKUTLE | |
| Ceptitia L'Miller (SEAL) | (SEAL) |
| AUTHENTICATION | ACKNOWLEDGMENT |
| Signature(s) | Change (SNR) |
| | State of Wisconsin, |
| | DOUGLAS County. |
| authenticated this day of, | Personally came before me this /87 // day of February, 2006, the above named ROBERT J. DOOLITTLE to me known to be the personals) who executed the foregoing instrument and |
| • | acknowledged the same. |
| TITLE: MEMBER STATE BAR OF WISCONSIN (If not, | Thirty Illentus |
| authorized by § 706.06, Wis. Stats.) | Notary Public. State of Wisconsin |
| THIS INSTRUMENT WAS DRAFTED BY ROBERT J. DOOLITTLE | My Commission is permanent. (If not, state expiration date) |
| (Signatures may be authenticated or acknowledged. Both are not necessary.) | |

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| Kely A Darlold | |
| RICHARD A. DOOLITTLE | |
| MONARD AL DOOLINGE | |
| STATE OF MICCONCIN. | |
| STATE OF WISCONSIN)) ss. | |
| COUNTY OF DOUGLAS) | |
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| | Notary Public, State of Wisconsin |
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| ROBIN R. DOOLITTLE | |
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| STATE OF WISCONSIN) | |
|) ss. | |
| COUNTY OF DOUGLAS) | |
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| to me known to be the person(s) who executed the foreg | BRUARY, 2006, the above-named ROBIN R. DOOLITTLE. going instrument and acknowledged the same. |
| | March Mill Therest and |
| | Notary Public, State of Wisconsin |
| | My corpmission expires: (6-17-1) |
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| Tour Survey Surv | 0 |
| STEVEN T. DOOLITTLE | |
| STEVEN I. DOOLITTLE | |
| CTATE OF MICCOMON | |
| STATE OF WISCONSIN)) ss. | |
| COUNTY OF DOUGLAS | |
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| same. | uted the pregoing instruction talks acknowledged the |
| | 411.m/11/1/ 4110/1 |
| | Notary Public, State of Wisconsin |
| | My comprission expires: 6-17-67 |
| **** | ****** |
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| SCOTT A. DOOLITTLE |
|---|
| STATE OF WISCONSIN)) ss. COUNTY OF DOUGLAS) |
| Personally came before me this/8 day of FEBRUARY, 2006, the above named SCOTT A. DOOLITTLE to me known to be the person(s) who executed the foregoing instrument and archiowing detailed the same. |
| Notary Public, State of Wisconsin My commission expires: // Illust Lorttle MELISSA DOOLITTLE |
| STATE OF WISCONSIN)) ss. COUNTY OF DOUGLAS) |
| Personally came before me this 6 day of FEBRUARY, 2006, the above-named McLISSA DOOLITTLE, to me known to be the person(s) who executed the foregoing instrument and acknowledged the same. Notery Public, State of Wisconsin My commission expires: |
| THOMAS C. DOOLITTLE |
| STATE OF WISCONSIN)) ss. COUNTY OF DOUGLAS) |
| Personally came before me this day of FEBRUARY, 2006, the above-named THOMAS C. DOOLITTLE, to me known to be the person(s) who executed the foregoing instrument and ecknowledged the same. Notary Public, State of Wisconsin My commission expires: |
| ******* |

| POLLY A. DOGLITTLE | |
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| STATE OF WISCONSIN) | |
|) ss. COUNTY OF DOUGLAS) | |
| Personally came before me this $\underline{18}$ day of F to me known to be the person(s) who executed the fore | egoing instrument and acknowledged the same. |
| DEBRAS. LARSON | Notary Public, State of Wisconsin My dommission expires: [0-17-47] |
| STATE OF WISCONSIN) | |
| COUNTY OF DOUGLAS) | |
| Personally came before me this <u>&</u> day of Filme known to be the person(s) who executed the forego | EBRUARY, 2006, the above-negled DEBRA S. LARSON, to |
| me known to be the person(s) who executed the forego | Notary Public, State of Wisconsin My comprission expires: |
| JEFF LARSON | Notary Public, State of Wisconsin |
| Jeff LARSON STATE OF WISCONSIN) | Notary Public, State of Wisconsin |
| Jeff LARSON | Notary Public, State of Wisconsin |
| JEFF LARSON STATE OF WISCONSIN) COUNTY OF DOUGLAS) | Notary Public, State of Wisconsin My comprission expires: BRUARY, 2006, the above-named JEFF LARSON, to me |

| CYNTHIA L. MILLER & Mill | | 783535 | |
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| COUNTY OF DOUGLAS) | 1 | , | |
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| STEVEN MILLER | • | | |
| STATE OF WISCONSIN) | | | |
|) ss. COUNTY OF DOUGLAS) | , | | |
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| PATRICK J. DOOLITTLE | My dominission ex | pires: 6/7/0/ | |
| STATE OF WISCONSIN) | | | |
| COUNTY OF DOUGLAS) | | | |
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| In Jackth Cl |
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| LISA DOOLITTLE |
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| STATE OF WISCONSIN) |
|) ss. COUNTY OF DOUGLAS) |
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| Personally came before me this <u>/8</u> day of FEBRUARY, 2006, the above hamed LEA DOOLITTLE, to me known to be the person(s) who executed the foregoing instrument and acknowledged the same. |
| Www. March Mill Collection |
| Notery Public, State of Wisconsin |
| My commission expires: 6-17-97 |
| ********* |
| -Marka OB () matth |
| MICHAEL G. DOOLITTLE |
| |
| STATE OF WISCONSIN) |
|) ss. COUNTY OF DOUGLAS) |
| Personally came before me this 18 day of FEBRUARY, 2008, the above-pamed MCHAEL G. |
| DOOLITTLE, to me known to be the person(s) who executed the foregoing instrument and acknowledged the |
| same. |
| The standing |
| Notary Public, State of Wisconsin My commission expires: 617-67 |
| , <u>Grands.</u> |
| |
| March College |
| MANOT A. DOGETTEE |
| STATE OF WISCONSIN) |
|) ss. |
| COUNTY OF DOUGLAS) |
| Personally came before me this day of FEBRUARY, 2006, the above named MANCY A. DOOLITTLE, to me known to be the person(s) who executed the foregoing instrument and accuracy he same. |
| Uhrmith. VIII Elmill / |
| Notery Public, State of Wisconsin |
| My commission expires: 6-17-07 |
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| | to me known to be the pers | ion(s) who executed the fore | Notary Public/State of My commission expires | Wisconsin Wille | / |
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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.

 $\ensuremath{\mathsf{TO}}$ 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 __/376__ day of ______, 1993.

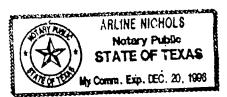
BN 1543-01 Superior, WI

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| D. P. Schneider, Director |
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| Title Services & Field Support |
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BURLINGTON NORTHERN

RAILROAD COMPANY

STATE OF TEXAS) ss COUNTY OF TARRANT)



Mlue Michols
Notary Public.

My commission expires: 12/70/9

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 Northernn Railroad Company to Lakekead Pipe Line Company, Inc. Pages 1 thru 3

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 9thth 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:

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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

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; 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;

TZEW

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.

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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").

PARTI

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-intitle, 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

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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) <u>Pipelines</u>. 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").

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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", "bargair", "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

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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 <u>Exhibit A</u> and <u>Exhibit B</u>, 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.

W. 519Mm 334

WITNESS THE EXECUTION HEREOF on the Sta December, 1991.

GRANTOR:

Lakehead Pipe Line Company, Inc., a Delaware corporation

Attest:

Phillips

Executive Vice President & Chief

Operating Officer

Jon E. Staudobar Secretary

GRANTEE:

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

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

Attest:

tautile. Jon E. Staudohar Secretary

(Corporate Seal)

Benny Phillips

Executive Vice President & Chief

Operating Officer

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

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.

aware corporation, who acknowledged the execution of the foregoing instrumen and on behalf of said corporation and who, having been duly sworn, stated that the resentations contained therein are true.

WITNESS my hand and Notarial Seal this Hay of December, 1991.

DIANNE LOVELL

DIANNE LOVELL

| DIANNE LOVELL Notary Profit STATE OF TECAS Ney Corner. Exp. 03-25-94 | Z Z |
|--|-----|
|--|-----|

(printed signature)

Mo County,

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 Hoday of December, 1991.

DIANNE LOVELL
Notary P. 196
STATE OF TEXAS
My Comm. Exp. 03-25-194

(pri:

(printed signature)

Notary Public Residing in

arms County,

My Commission Expires:

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 Morth 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 Morth 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.

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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 Morth 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.

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 Forth-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 Bast 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 Northeasterly 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-ofway; 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 Southeasterly right of way of vacated 27th Avenue Bast; 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 fest 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 Southeasterly right of way line of 25th Avenue East; thence South 48 degrees 32' 25" West along the Southeasterly right of way line of said 25th Avenue East a distance of 623.44

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State of Wisconnin County of Douglas 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 Hemadji 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" Bast 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 Bast

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 Ninsteenth 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)

and said point of beginning.

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), Hight (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)

State of Wiscomin County of Douglas

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, Wisconsing

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

State of Wisconsin County of Douglas

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 Minety-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 Bast Bighteenth Street;

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

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 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 beinning; 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 North Southerly along 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 right of way line of the Soo Line Railroad; thence Mortherly 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; 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; thence Horthwesterly 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.

WL 519 ME 345

WI-DGL-338

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

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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 Minth 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 right or way line or Robertson Avenue (now list Avenue East), which point is also the Easterly-most corner of Lot 2, West 9th Street; thence 8 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 the cent 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
- Rartopp 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 Mo'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);
 Northeasterly of the centerline of West 16th Street (now East 16th
 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);

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

18 519 mm 348

se of Wisconsin

Northeasterly of the Southeasterly right of way line of West 11th Street; Southeasterly of the Southeasterly 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

m. 519mm 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 Bast; thence Southwesterly along the South boundary of 25th Avenue Bast 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, Mortheasterly 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 essements 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;
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

Exhibit B

to

Conveyance, Assignment and Bill of Sale

from

Lakehead Pipe Line Company, Inc.

to

Lakehead Pipe Line Company, Limited Partnership

| Document Title | ritle | Deta | Grantor | • | Grantee | Records | Book/Wol. | P89 | F110 No. | Reference No. |
|--|--|------------------------------|---|--|---|-------------------------------|-----------|-----|----------|---------------|
| Permit | | 07/30/53 | Department the Army (Corps of Engineers- Duluth | ent of of of re- | Lakehead Pipe Line Company, Inc. | ı | ī | t | | WI-DGL-002 |
| Legal Desi Crossing t Wisconsin | Legal Description: Crossing the Nemadji River, about two miles Wisconsin (Sec. 31, 749M, R13W) | River, ab | out two | | above its mouth, at Superior, | . Superior, | | | | |
| Legal Desc SW/4, Bloc Wisconsin. | Legal Description: SW/4, Block 1, East 17th Street, Townsite of Wisconsin. | 17th Street | t, Towns | *** | Superior, City of Superior, | Superior, | | | | WI-DGL-003 |
| Right of W | Way and Grant | 09/15/53 | Lalli, Lempie | Lempie | Lakehead Pipe Line Company, Inc. | Deeds | Vol.236 | 542 | 416820 | WI-DGL-004 |
| <pre>Legal Description: Lot 189, Block 19, Lot 191, Block 19, Wisconsin.</pre> | ziptioni lock 19, Ed lock 19, Ed | East 17th St East 17th St | Street, Ri Street, Ri | Riverview Addition, Riverview Addition, | dition, city of dition, city of | f Superior and f Superior, | p | | | |
| Right of Way and | ay and | 10/05/53 | Foley, B.T., | | Lakehead | Deeds | Vol. 237 | 314 | 417398 | WI-DGL-005 |

ML 519ME352

| Document Title | t Title | Date | Grastor | Grantes | Records | Book | Book/Vol. | Page | File No. | Reference No. |
|---|---|--|---|--|---|-------------------|-----------|------|----------|---------------|
| Resement Grant | . Grant | | et ux. | Pipe Line Company, Inc. | | | | | | |
| Legal Da Lot 209, and Lot Superior of Super | Legal Description: Lot 209, Subd. Block and Lot 211, Subd. B Superior and Lot 211 of Superior and Lot City of Superior. | k 23, East Slock 23, E 3, Subd. Bl 215, Subd. | 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. | iew Addition, City of Superio verview Addition, City of h St., Riverview Addition, Ci 17th St., Riverview Addition, | y of Superior City of Addition, Cit | . . | | | | |
| Right of Way a Essement Grant | Way and Grant | 09/18/53 | Wartin, Winfield G., et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 236 | 236 | 594 | 416898 | WIDGL007 |
| Legal De Lot 233, of Super: Rivervies | Legal Description: Lot 233, Subdivision of Superior, Wiscons Riverview Addition t | of Block tin and Lot o City of | Legal Description: Lot 233, Subdivision of Block 25, East 17th Street, Superior, Wisconsin and Lot 235, Subdivision of I Riverview Addition to City of Superior, Wisconsin. | . = | Riverview Addition to City Block 25, East 17th Street, | 41 1 2 | | | | |
| Right of Way and Essement Grant | Way and Grant | 09/10/53 | LaPorte, Percy, et ux. | Lakehead Pipe Line Company, Inc. | Deeds. | Vol. 236 | | 503 | 416760 | WI-DGL-008 |
| Legal Der Block 27 | Legal Description: Block 27 on East 17th Street, | h Street, | Townsite of Superio | Superior, Douglas County, Wisconsin. | ty, Wisconsii | C | | | | |
| Right of Way and | Way and | 09/16/53 | Ludington, | Lakehead | Deeds - | Vol. 236 | | 596 | 416899 | WI-DGL-009 |
| | | | | | | | | | | |

ML 519 ME 353

| Massment Grant Legal Description: Lot 269, Subdivision of Block 29 on of Superior and Lot 271, Subdivision Industrial Center, City of Superior. | ñ | | | | | | | The same of the sa | | |
|--|--|--------------------------------|--|--|---|----------|-----|--|--------|--------------|
| Lecal Descrip Lot 269, Subd of Superior a Industrial Ca | | | Florence | Pipe Line Company, Inc. | | | | | | |
| | kion: Nivision of and Lot 271, nter, City | Block Subdiv | East 17th | Street, Industrial Center, City 29 on Bast 17th Street, | ial Center, C Street, | ity | | | | |
| Right of Way and Rasement Grant | | 09/10/53 | Simenstad, J.A. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 236 | 236 | 290 | 416896 | WI-DGL-012 |
| edal Descrip ot 298, Kast | tion. Seventeen | ch Strew | <u>Legal Description:</u> Lot 298, Rast Seventeenth Street, Industrial Cen | Center, City of Superior. | uperior. | | | | | |
| Right of Way and Easement Grant | | 10/01/53 | Johnson, Mildrad, et | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 237 | 237 | 377 | 417495 | WI-DGL-013-A |
| Legal Descriptions Lot 290, Block 34, Block 34, East 17th East 17th Street, | <u>tion:</u> k 34, East t 17th Stre | 17th St met, Ind rial Ca | <pre>legal Description: Lot 290, Block 34, East 17th Street, Industrial Block 34, East 17th Street, Industrial Center, S East 17th Street, Industrial Center, Superior.</pre> | Center, Superi- Superior and Lo | Superior and Lot 292, and Lot 294, Block 34, | 34, | | | | |
| Right of Way and Easement Grant | | 10/09/53 | Emerson, Evelyn K. | Lakehead Pipe Line Company, | Deeds | Vol. 237 | 237 | 262 | 417358 | WI-DGL-013-B |

| Document Title | .e Date | Grantor | Grantee | Records | Book/Wol. | Page | File Mo. | Reference No. |
|--|--|---|---|---|--------------------|------|--|---------------|
| | | | Inc. | | | | And the state of t | |
| Legal Descrir Lot 290, Bloc Block 34, East Rast 17th Str | k 34, East 17ti it 17th Street, eet, Industrial | <pre>legal Description: Lot 290, Block 34, East 17th Street, Industrial Block 34, East 17th Street, Industrial Center, i East 17th Street, Industrial Center, Superior.</pre> | Center, Superior | Superior and Lot 292, and Lot 294, Block 34, | , ** 34, 34, | | | |
| Right of Way and Resement Grent | and 10/09/53 | 53 Johnson, Mels, et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 237 | 202 | 417246 | WI-DGL-013-C |
| Legal Descrip Lot 290, Bloc Block 34, Eas East 17th Str | <u>tion:</u> k 34, East 17th t 17th Street, eet, Industrial | <pre>legal Description: Lot 290, Block 34, East 17th Street, Industrial Block 34, East 17th Street, Industrial Center, East 17th Street, Industrial Center, Superior.</pre> | Center, Superi- Superior and Lo | Superior and Lot 292, and Lot 294, Block 34, | , | | | |
| Right of Way and Easement Grant | and 10/08/53 t | 3 Randall, Mabel J., et vir. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 237 | 200 | 417245 | WI-DGL-013-D |
| Legal Descriptions Lot 290, Block 34, Block 34, Bast 17th East 17th Street, 1 | tion: k 34, East 17th 17th Street, 1 eet, Industrial | <pre>Legal Description: Lot 290, Block 34, East 17th Street, Industrial Block 34,East 17th Street, Industrial Center, St East 17th Street, Industrial Center, Superior.</pre> | . Center, Superior and Lot 292, superior and Lot 294, | or and Lot 292, 294, Block 34, | ň* | | | |
| Right of Way and Easement Grant | and 10/10/53 | 3 Johnson, Irving Howard, | Lakehead Pipe Line Company, | Deed | Vol. 237 | 264 | 417359 | WI-DGL-013-E |

| Legal Description: Lot 290, Block 34, East 17th Street, Industrial Block 34, East 17th Street, Industrial Center, East 17th Street, Industrial Center, Superior. Right of Way and 10/10/53 Schwartz, Rasement Grant Lot 290, Block 34, East 17th Street, Industrial Block 34, East 17th Street, Industrial Center, East 17th Street, Industrial Center, Superior. Lagal Description: Lagal Description: Lagal Description: Lot 290, Block 34, East 17th Street, Industrial Lot 290, Block 34, East 17th Street, Industrial Center, Block 34, East 17th Street, Industrial Center, Superior. East 17th Street, Industrial Center, Superior. | | Inc. Center, Superior Superior and Lot Lakehead Pipe Line Company, Inc. Center, Superior Superior and Lot | Superior and Lot 292, and Lot 294, Block 34, ine for and Lot 292, and Lot 292, and Lot 294, Block 34, | vol. 237 | 30€ | 417247 | W1-DGL-013-F |
|--|---|---|---|----------|-----|--------|--------------|
| Legal Description: Lot 290, Block 34, East 17th Street, Industrial Block 34, East 17th Street, Industrial Right of Way and 10/10/53 Schwart: East 17th Street, Industrial Lot 290, Block 34, East 17th Street, In Block 34, East 17th Street, Industrial East 17th Street, Industrial Center, Su Right of Way and 10/10/53 Johnson, East 17th Street, Industrial Lot 290, Block 34, East 17th Street, In Lot 290, Block 34, East 17th Street, Industrial East 17th Street, Industrial Center, Su East 17th Street, Industrial Center, Su | | | and Lot 292 294, Block 3 Deeds and Lot 292 294, Block 3 | Vol. 237 | | 417247 | WI-DGL-013-F |
| Right of Way and 10/10/53 Schwarts Easement Grant Lot 290, Block 34, East 17th Street, In Block 34, East 17th Street, Industrial East 17th Street, Industrial Center, Su Right of Way and 10/10/53 Johnson, Easement Grant Lot 290, Block 34, East 17th Street, In Lot 290, Block 34, East 17th Street, Industrial East 17th Street, Industrial Center, Su East 17th Street, Industrial Center, Su | Arts, | Lakehead Pipe Line Company, Inc. Penter, Superior Senter, Superior | Deeds and Lot 292 294, Block 3 | Vol. 237 | | 417247 | WI-DGL-013-F |
| Legal Description: Lot 290, Block 34, East 17th Street, Ingelock 34, East 17th Street, Industrial Center, Sugat 17th Street, Industrial Center, Sugatement of Way and 10/10/53 Johnson, Easement Grant 10/10/53 Johnson, East 17th Street, Industrial Center, Sugat 17th Street, Industrial Center, Sugate 17th Street, Industrial C | ı. | Penter, Superior operior and Lot | and Lot 292 294, Block 3 | ٠.٠ | | | |
| Right of Way and 10/10/53 Johnson, Easement Grant Local Description: Lot 290, Block 34, East 17th Street, In Block 34, East 17th Street, Industrial (East 17th Street, Sulpert 18th Street, Sulpert 18th Street, Sulpert 18th Street, Sulpert 18th Street, Industrial (East 17th St | CO : | | | | | | |
| Legal Description: Lot 290, Block 34, Rast 17th Street, In Block 34, East 17th Street, Industrial (Bast 17th Street, Industrial Center, Suj | Johnson, Ernest, et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 237 | 266 | 417360 | WIDGL013G |
| | , Industrial C ial Center, Su , Superior. | Center, Superior Superior and Lot 2 | Superior and Lot 292, and Lot 294, Block 34, | | | | |
| Right of May and 10/20/53 Carr, Barba Basement Grant | # Li | Lakehead Pipe Line Company, | Deeds | Vol. 237 | 375 | 417494 | WI-DGL-013-H |

| Document Title | Date | Grantor | Orantee | Records | Book/Vol. | . Page | File No. | Reference No. |
|---|--|--|---|--|-----------|--------|----------|---------------|
| | | | Inc. | | | | | |
| Legal Description: Lot 290, Block 34, East 17th Street, Industria, Block 34, East 17th Street, Industrial Center, East 17th Street, Industrial Center, Superior. | kast 17th (Street, II idustrial (| - | Center, Super Superior and L | Superior and Lot 292, and Lot 294 Block 34, | e d | | ٠ | |
| Right of Way and Resement 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, Superior and Lot 305, Subdivision Block 35, East Center, City of Superior. | Block 33, , Subdivis | 11. Hon Block 33, East 16th Street, 305, Subdivision Block 35, East Superior. | Industrial Calet, | Industrial Center, City of 16th Street, Industrial | | | | |
| Right of Way and Easement Grant | 10/03/53 | Hasenwinkle, Earl D., et ux. | Lakebead Pipe Line Company, Inc. | Deeds | Vol. 237 | 206 | 417248 | WI-DGL-014-B |
| Legal Description: Lot 303, Subdivision of Block 33, East 16th Stre Superior, Wisconsin and Lot 305, Subdivision of City of Superior, Wisconsin. | of Block and Lot 30 sconsin. | | t, Industrial lock 35, Indu | et, Industrial Center, City of Block 35, Industrial Center, | ŭ, O | | | |

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Deeds

Lakehead Pipe Line Company,

09/04/53 Johnnies, Margaret

Right of Way and Essement Grant

| Document Title | : Title | Date | Grantor | Grantee | Records | Book/Vol. | Vol. | Page | Pile No. | Reference No. |
|--|---|------------------------|---|---|--|-----------|------|------|----------|---------------|
| | | | | Inc. | | | | | | |
| Lot 310, Superior Center, (| legal Description: Lot 310, Subdivision of Block 36, Superior and Lot 312, Subdivision Center, City of Superior. | of Block , Subdivis | East 16th 30 of Block 36, | rmet, Industrial C , Bast 16th Street, | Industrial Center, City 16th Street, Industrial | ij | | | | |
| Right of Easement | Right of Way and Easement Grant | 11/03/53 | Clabby, Ida M. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 237 | 237 | 515 | 417705 | WI-DGL-016 |
| Legal Descriziot 306, Subcrize Superior and Center, City | Legal Description: Lot 306, Subdivision of B Superior and Lot 308, Sub Center, City of Superior. | of Block , Subdivia | <pre>Legal Description: Lot 306, Subdivision of Block 36, East 16th Street, Superior and Lot 308, Subdivision of Block 36, East Center, City of Superior.</pre> | | Industrial Center, City 16th Street, Industrial | * | | | | |
| Right of Easternt | Right of Way and Essent Grant | 09/15/53 | Lange, Arnie E., et ux. | Lakebead Pipe Line Company, Inc. | Deeds | Vol. 237 | 137 | 67 | 417018 | WI-DGL-017 |
| Legal Des Lot 311, Superior Center, C | <pre>Legal Description: Lot 311, Subdivision of Block 35, Superior and Lot 313, Subdivision Center, City of Superior.</pre> | of Block Subdivia | 35, East 15th Street, ion of Block 35, Rast | met, Industrial Center, City of Rast 15th Street, Industrial | enter, City . Industrial | y | | | | |
| Right of Easement | Right of Way and Easwment Grant | 09/15/53 | Rannestad, Louise | Lakebead Pipe Line Company, | - P | Vol. 236 | | 557 | 416838 | WI-DGL-018 |

Inc.

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.

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

Superior, Misconsin.

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

| 1/53 Duluth, South Lakehead Shore and Pipe Line Atlantic Company, Railroad Inc. | Company |
|---|---------|
| 08/01/53 6 | • |
| Pipe Line Grossing Permit | |

NI-DGL-021

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 | Becords | Book/Vol. Page | Page | File Mo. | Reference Mo. |
|-------------------------------------|---------------------|--|---|----------|----------------|------|----------|---------------|
| Right of Way and Essement Grant | 09/11/53 | Munros, Frances P., successor trustes | Lakehead Pipe Line Company, Inc. | D | Vol. 237 | 179 | 417204 | WI-DGL-023 |
| sal Description Sck 38, East 7tl | i h Street, Town | Legal Description: Block 38, East 7th Street, Townsite of Superior, City of Superior. | City of Superi | or. | | | | |

| NI-DGL-024 |
|---|
| |
| • |
| • |
| 1 |
| 1 |
| Lakehead Pipe Line Company, Inc. |
| 05/11/53 Great Northern Railway Company |
| 05/11/53 |
| Untitled |

Legal Description: Across Right of Way of Great Morthern Railway Co. in Sec. 32, T49M, R13W (about 250 feet Morth of Chicago, St. Paul, and Omaha Railway).

| , |
|--|
| 1 |
| 1 |
| Lakehead Pipe Line Company, Inc. |
| Northern Pacific Railway Company |
| 04/16/53 |
| Irrigation Canal, Drainage Canal, Water Pipe or Sewer Permit (Perm.) No. 76435 |

WI-DGL-025

Location described as follows:
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 Neridian, 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. | 6 544 | File No. | Reference No. |
|---|---|--------------------------------------|---|--|-----------|--------------|----------|---------------|
| center line at a point there in distance 477 fe along said center line from Mile Post 60 (which more or less, northwesterly, measured along sai line of said section). | int there i ine from Mi westerly, m | | et northwesterly, measured mile post is located 215 feet, d center line from the east | , measured cated 215 fee om the east | t, | | • | |
| Right of Way and Easement Grant | 08/31/53 | 08/31/53 Johnson, Olga C. | Lakehead Pipe Line Compeny, Inc. | Deeds | Vol. 236 | 381 | 416568 | WI-bgl-026 |
| <pre>Legal Description: Block 44, East 6th Street, Townsite of Superior, City of Superior.</pre> | Street, Tow | nsite of Superior, | , city of Superi | or. | | | | |
| Untitled | 08/04/53 | Great Morthern Railway Company | Lakehead Pipe Line Company, Inc. | ı | 1 | 1 | 1 | WI-DGL-027 |
| <u>legal Description:</u> In Lots 45 and 48 between Rast 6th and Bast 7th Douglas, Wisconsin. | etween Mast | 6th and Bast 7th | Streets, Superior, County of | or, County of | | | | |
| | | | | | | | | |

417525

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Deeds

Lakehead Pipe Line Company, Inc.

Larson, Ida Brown, st vir.

10/22/53

Right of Way and Easement Grant

| Document Title | | Date | Grantor | ox | Grantee | Records | Book | Book/Vol. | Page | File No. | Reference No. |
|------------------------------------|--|--------------------------|--------------------------|--|--|---|----------|-----------|-------------|----------|---------------|
| ot 500, | Legal Description: Lot 498, Subdivision, Lot 500, Subdivision, | Block 50, | 2 | Mest Seventh Street, Mest Seventh Street, | | Townsite of Superior and Townsite of Superior. | p | | | | |
| Right of Way an Easement Grant | 2 | 09/11/53 | Wergh | Bergh, tillian M. | Lakshead Pipe Line Company, Inc. | Deeds | Vol. 236 | 236 | 519 | 416782 | WI-DGL-032 |
| egal Der ot 701, | Legal Description: Lot 701, Subdivision of Block 61, East 7th Stre | of Block 6 | 1. Ban | it 7th Stre | met, Townsite of Superior. | f Superior. | | | | | |
| Right of Way and Resement Grent | | 10/28/53 | Kendall, V R., et ux. | Kendall, Verda R., et ux. | Lakshead Pipe Line Company, Inc. | Deeds | Vol. 237 | 237 | 4 01 | 417526 | WI-DGL-034 |
| Legal Des Lot 524, and Lot 5 | <pre>Legal Description: Lot 524, Subdivision of Block 62, East Seventh and Lot 526, Subdivision of Block 62, East Seve Superior.</pre> | of Block 6 kon of Blo | 2, Bas ck 62, | | Street, Townsite of Superior onth Street, Townsite of | te of Superior wheite of | | | | | |

WI-DGE-035

416781

517

Vol. 236

Deeds

Lakehead Pipe Line Company, Inc.

09/09/53 Howard, Clara

Right of Way and Easement Grant

| Document Title | Date | Grantor | Grantee | Records | Book/Vol. | i. Page | File Mo. | Reference No. |
|---|------------------------------|-------------------------------------|---|-------------------------------|-----------|---------|----------|---------------|
| Legal Description: Lot 29, Block 3, Steel Plant Sixth Division Block 3, Steel Plant Sixth Division, City o | teel Plant S nt Sixth Div | - 44 | City of Superior and Lot 30, Superior. | and Lot 30, | | | | |
| Right of Way and Essement Grant | 09/29/53 | Origal, Charles, et al. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 237 | 66 | 417063 | WI-DGL-037 |
| Legal Description: Lot 16, Block 1, Steel Plant Sixth Division, City of Superior, Douglas County, Wisconsin. | teel Plant S | Sixth Division, | city of Superior, | Douglas Cou | nty, | | | |
| Right of Way and Basement Grant | 08/26/91 | Seely, John J., et ux. | Lakehead Pipe Line Company, Inc. | Deede | Vol. 236 | 333 | 416483 | WI-DGL-038 |
| <pre>legal Description; Lot 1, Slock 3, Steel Plant Sixth Division and Sixth Division and Lot 3, Block 3, Steel Plant Superior.</pre> | el Plant Si Lot 3, Bloc | ath Division and X 3, Steel Plant | Lot 2, Block 3, Sixth Division, | Steel Plant all in City of | j | | | |
| Right of Way and Easement Grant | 09/11/53 | Swanson, Elisabeth C., et al. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 236 | 592 | 416897 | WI-DGL-040 |

| Document Title | Title | Date | Grantor | Grantee | Records | Book/Vol. |)1. Page | | File No. | Reference No. |
|---|--|-------------------------|--|---|-------------|-----------|----------|--------|----------|---------------|
| Lot 23, Block 2, | <u>ecription:</u> Block 2, Ste Steel Plant | el Plant S Sixth Div | <u>Legal Description:</u> Lot 23, Block 2, Steel Plant Sixth Division, City of Superior and Lot 24, Block 2, Steel Plant Sixth Division, City of Superior. | ity of Superior a | and Lot 24, | | | | | |
| Right of Way and Essement Grant | Way and Grant | 08/25/53 | Anderson, Carl Albin | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 236 | 6 331 | 416482 | 85 | WI-DGL-041 |
| Letal De Lot, 21, Block 2, | scription: Block 2, Ste Steel Plant | el Plant S Sixth Div | 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. | lty of Superior a | and Lot 22, | | | | | |
| Right of Way and Essement Grant Partial Release | Way and Grant Release | 08/11/53 | Edwards Realty and Finance Co. | Lakebead Pipe Line Company, Inc. | De de | Vol. 236 | 348 | 416502 | 22 | WI-DGL-043 |
| Legal Del W/2 of NV | icription: 1/4 of \$2/4 | of 800. 4, | Legal Description: W/2 of MW/4 of SE/4 of Sec. 4, T48K, R13W. | | | | | | | |

WI-DCL-044

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Deeds

Lakehead Pipe Line Company, Inc.

03/05/53 County of Douglas, State of Wisconsin

Right of Way and Easement Grant

| Grantee Records Book/Vol. Page File Mo. Reference Mo. | S/2 of NE/4 of SE/4, Sec. 4, Rest Seventh Street, Townsite | Lakehead Deeds Vol. 238 34 417969 WI-DGL-046-A Pipe Line Company, Inc. | /4 of Sec. 4, T48H, R13W. | Lakehead Deeds Vol. 237 208 417249 WI-DGL-046-B Pipe Line Company, Inc. | ic. 4, T48M, R13W, except that ipeny, and that part designated |
|---|---|--|--|--|--|
| Grantor Grantee | 48M, RI3W and S/2 of NE, s of Block 38, East Seve consin. | Merchantile- Lakehea Safe Deposit Pipe Li and Trust Company Company, Inc. | of WE/4 of SE/4 of Sec. | Miller, Edward Lakehea Pipe Li Company Inc. | ic. 4, |
| | t of Sec. 4, T lvided 39/48th he County, Wis | 11/02/53 H | Interest N/2 | 10/09/53 M | in M/2 of ME/4 forthern Pacifi 5. 2. |
| Dogument Title | Legal Description: E/2 of NW/4 of SE/4 of Sec. 4, T48N, R13W and T48N, R13W and undivided 38/48ths of Block 38, of Superior, Douglas County, Wisconsin. | Right of Way and Easement Grant | Legal Description: Undivided One Helf Interest N/2 of NE/4 of SE, | Right of Way and Resement Grant | Legal Description: One half interest in M/2 of NE/4 of SE/4 of Se part owned by the Morthern Pacific Railway Cos for U.S. Highway No. 2. |

416471

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Deeds

Lakehead Pipe Line Company, Inc.

08/11/53 Boroo, Henry, et ux.

Right of Way and Easement Grant

WI-DGI-050

State of Winconsin County of Douglas

Vol. 236 Legal Description:
Lot 1421, Boden Street, Dubeau's Addition to Superior and Lot 1423, Boden
Street, Dubeau's Addition to Superior. Deeds Lakehead Pipe Line Company, Inc. Holgren, Victor, et ux. Right of Way and Resement Grant

09/08/53

WI-DGE-049

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555

Lakehead Pipe Line Company, Inc. Chicago, Saint Minneapolis and Omaha Railway Company Paul, 12/03/53

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417173

167

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Deeds

Lakehead Pipe Line Company, Inc.

Vignetto, William A., et

09/21/53

Right of Way and Easement Grant

State of Wisconsin County of Douglas rence No.

| Refer | |
|----------------|--|
| File No. | |
| Page | |
| Book/Vol. | |
| Records | |
| Grantee | |
| Grantor | |
| Dete | |
| Document Title | |
| | |

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

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| Book 236 |
| Deeds |
| Lakehead Pipe Line Company, Inc. |
| County of Douglas |
| 08/21/53 |
| Right of Way and Easement Grant |

WI-DGL-055-A

Escal 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 88 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, 329, 331, 333, 335, Block 37 East 11th Street; Lots 321, 323, 325, 326, 338 and 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 321, 326, 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; Lote 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

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unnumbered lot northwesterly of Lot 1231, all on Cayuga Street; Lots 1249, 1251, 1255, 1257, 1258, 1260, 1264, 1266, 1268, 1270, 1272, 1274 and 1276, all on Seneca Street; Lots 1273, 1275, 1277, 1281, 1283, 1285, 1286, 1296, 1290, 1292, 1294, 1296, 1396, 1300, 1302 and 1311, Lots 1314, 1316, 1318, 1316, 1320, 1322, 1324, 1326, 1328, 1330 and 1332, all on Baitic Street; Lots 1391, 1331, 1333, 1335, 1337, 1339, 1341 and 1343, all on Caspian Street; Lots 1382, 1386, 1386, 1388, 1389, 1391, 1403, 1403, 1408, 1408, 1410, 1412, 1414 and 1416, all on Papin Street; Lots 1413, 1413, 1413, 1413, 1444, 1444, 1434, 1436, 1418, 1417, 1419, 1425, 1427, 1429, 1431, 1443, 1445, 1447, 1449, 1451, and Unnumbered Lot southeasterly of Lot 1451, Lots 1445, 1447, 1449, 1447, 1449, 1447, 1449, 1441, 1443, 1445, 1447, 1449, 1447, 1449, 1441, 1443, 1445, 1447, 1449, 1441, 1445, 1447, 1449, 1441, 1445, 1447, 1449, 1447, 1449, 1441, 1444 1464, 1466 and Unnumbered Lot southeasterly of Lot 1466, all on Simcoe Street; Unnumbnered Lot on Amazon Street; all in Dubeau's Addition to Superior, in the City of Superior, Douglas County, Misconsin.

Lote 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, 75, 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 Monros 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 of the NE 1/4 of the NE 1/4 and the NE 1/4 of the NE 1/4 of Section 12, all in Township 48 Morth, 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.

| Reference No. | WI-DGL-055-B |
|----------------|--|
| File No. | 416793 |
| Page | 527 |
| Book/Vol. Page | Vol. 236 |
| Records | Deeds |
| Grantee | Lakehead Pipe Line Company, Inc. |
| Grantor | 03/05/53 County of Douglas, State of Wisconsin |
| Dete | 03/05/53 |
| Document Title | Right of Way and Basement Grant |

Legal Description: Lot 1247 on Sensca Street, Dubeau's addition to Superior and Parcel numbered 23, Itasca Garden Tracts.

| WI-DGL-055-C |
|---|
| 417175 |
| 169 |
| Vol. 237 |
| Deeds |
| Lakehead Pipe Line Company, Inc. |
| County of Douglas, State of Wisconsin |
| 03/05/53 |
| Right of Way and Eastment Grant |

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.

| WI-DGL-057 |
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| 416503 |
| 350 |
| Vol. 236 |
| Deeds |
| _ |
| Lakebead Pipe Line Company, Inc. |
| Arne, Lakebead Pipe Line Company, Inc. |
| Arme, |
| a, Arne, |

Image Description: SE/4 of NW/4 of Sec. 7, T48M, R12W and SW/4 of NW/4 of Sec. 7, T48M, R12W.

| WI-DGL-060 |
|------------------------------------|
| 416391 |
| 249 |
| Vol. 236 |
| speed. |
| Lakehead Pipe Line |
| Van Grinsven, Rubertus |
| 08/11/53 |
| Right of Way and Essement Grant |

| | 416780 | 416633 | 9 mm 3 7 \$ |
|---|--------|--------|-------------|
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| | 515 | 433 | # |
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Deeds

Lakehead Pipe Line Company,

Inc.

Theordore Van Grinsven

Guardian of the Est. of

McCune, Hattie,

09/09/53

Right of Way and

Basement Grant

Legal Description: E/2 of M/4 of SM/4 of SM

Reference Mo.

File Mo.

#

Book/Vol.

Records

Grantee

Orantor

Document Title

Company,

Inc.

State of Wiscomin County of Douglas

Legal Description: NW/4 of WM/4, Sec. 7 and W/2 of ME/4 of SW/4 except strip of land, Sec. 8, T48W, R12W.

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

<u>Legal Description:</u>
The E 1/2 of the NB 1/4 of the SW 1/4 of Section 8, Township 48 M., 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, 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 M., Range 12 W. which lies West and Westerly of the middle or center line of the stream known as the Amnicon River at ordinary low water in said stream, except the Northerly 18 rods in width thereof.

Legal Description: All that part of the NW/4 of the SE/4, lying last of center of Amnicon River, containing 27 1/2 acres of land, more or less, Sec. 8, T48M, R12W.

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Deeds

Lakshead Pipe Line Company, Inc.

Hanson, Herman, et ux.

09/02/53

Right of Way and Essenset Grant Legal Description: N/2 of NE/4 of SE/4 of Sec. 8, T48M, R12W.

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Deed

Lakehead Pipe Line Company, Inc.

08/21/53 Hanson, Hilms

Right of Way and Easement Grant

State of Wisconsin County of Douglas

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Grantee

Grantor

Date

Document Title

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Deeds

Lakehead Pipe Line Company, Inc.

Schimenek, Karl, et ux.

08/12/53

Right of Way and Easement Grant Legal Description:
SN/4 of the NN/4 of Sec. 8, South 30 acres of the SE/4 of the NE/4, Sec. 7,
T48N, R12N.

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Deeds

Lakehead Pipe Line

Hanson, Henry E., et al.

09/05/53

Right of Way and Easement Grant

WI-DGL-068-D

417020

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Deeds

Lakehead Pipe Line Company, Inc.

Sellhorn, Ethel, et vir

09/12/53

Right of Way and Easement Grant

State of Wisconein County of Douglas

WI-DGL-077-A

416325

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Vol. 236

Deeds

Lakehead Pipe Line Company, Inc.

Chicago, Saint Paul, Minneapolis and Omaha Railway Company

07/31/53

Untitled, Deed No. 1234, Requisition No. 1609

State of Wisconsin County of Douglas

| | | Grantor | Grantos | Records | Book/Vol. | l. Page | File No. | Reference Mo. |
|--|---|--|--|---|-----------|---------|----------|---------------|
| <u>Legal Descriptions</u> 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, Misconsin. Containing 7.50 acres, more or less. | ne Southeast Srtheast Qua Range 12 We | : Quarter, the Nor inter of the South met, Douglas Count | thwest Quarter Mest Quarter o :y, Wisconsin. | of the South & Section 9, Containing 7. | 36 98 tt | | · | |
| Untitled | 12/03/53 | Chicago, Seint Paul, Minneapolis and Omaha Railway | Lakebead Pips Line Company, Inc. | Deed | • | • | | WI-DGL-078 |
| Legal Description: Sec. 8, 148M, R13W. | | | | | | | | |
| Right of Way and Resement Grant | 08/06/53 | Colby, Elmer A., et ux. | Lakehead Pipe Line Company, Inc. | ap de | Vol. 236 | 318 | 416472 | WI-DGL-079 |
| Legal Description: SW/4 of the SW/4 of Sec. 10, T48K, | Sec. 10, T | 46H, R12W. | | | | | | |
| Right of Way and Essement Grant | 08/06/53 | Wick, August, et ux. | Lakehead Pipe Line | Deeds | Vol. 236 | 251 | 416392 | WI-DGL-080 |

State of Wisconsin County of Douglas

| | Date | Grantor | | Grantee | Records | Book | Book/Vol. | •6a. | File No. | Reference No. |
|---|--------------------------------|---------------|-----------|---|----------------|----------|-----------|----------------|----------|---------------|
| Right of Way and Essement Grant | 09/04/53 Pank, Herbert, | Pank, | Herbert, | Lakehaad Pipe Line Company, Inc. | Deeds | Vol. | Vol. 236 | 85 85 86 | 416839 | WI-DGL-082-8 |
| Legal Description: SE/4 of SE/4 and NE/4 of SE/4 of Sec. 10, T48H, | 4 of 52/4 (| of 80c. | 10, T48H, | Alew. | | | | | | |
| Right of Way and Resement Grant | 08/05/53 Eurus, Roy, et ux. | Surve, ux. | Roy, et | Lakehead Fipe Line Company, Inc. | 8 9 9 9 | Vol. 236 | 236 | 253 | 416393 | NI-DGE-083 |
| Legal Description: SW/4 of SW/4 of SW/4 of SW/2 of SW/ | 11, T48N, | R12W. | | | | | | | | |

State of Wisconsin County of Douglas

Order Approving 06/30/53 State Highway Lakehead Transmission Line Commission of Pipe Line Construction on Highways before The State Highway Commission of Wisconsin Permit Mo. 271-8

WI-DOL-085

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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.

416400

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Deeds

Lakehead Pipe Line

Mieleen, Mendrop

Right of Way and Easement Grant

State of Wisconsin County of Douglas

Legal Description: W/4 of WZ/4, SZ/4 of WZ/4 and WZ/4 of WZ/4, except parcel in WZ/4 of WZ/4, Z/4 of WZ/4 of Z/4 of

416395

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Deeds

Lakshead Pipe Line Company, Inc.

Johnson, Fred, et ux.

08/05/53

Right of Way and Easement Grant

| Document fitle | Date | Grantor | Orantee | Records | Book/Vol. | Page | File No. | Reference No. |
|--|--------------|----------------------------|---|--------------|-----------|------|----------|---------------|
| | | | Company, Inc. | - | | | | |
| Legal Description: SE/4, NW/4 and SW/4, NW/4 of Sec. 13, T48M, R12W | , NW/4 of S. | ec. 13, T48M, R1; | æ | | | | | |
| Right of Way and Essement Grant | 08/05/53 | Swenson, Alfred, et ux. | Lakehead Pipe Line Company, Inc. | 999 Q | Vol. 236 | 320 | 416473 | WI-DGL-093 |
| Legal Description: W/2 of SW/4 of NE/4 of Sec. 13, T48M, R12W | of Sec. 13, | , T48H, R12W | | | | | | |
| Right of Way and Easement Grant | 65/90/80 | Hegdahl, David, et ux. | Lakehead Pipe Line Company, Inc. | Deed O | Vol. 236 | 255 | 416394 | WI-DGL-094 |
| Legal Description: 6E/4 of MB/4 West of Middle River and E/2 of SW/4 of NE/4, Sec. 13, T48M, R12W. | F Middle Riv | rer and E/2 of SW | 1/4 of NE/4, Sec. | . 13, T48%, | | | | |

State of Wisconsin County of Douglas

| Document Title | Date | Grantor | Grantee | Records | Book/Yol. | Page | F11e Mo. | Reference No. |
|--|----------------------------|--|--|---------------|-----------|-------------|----------|---------------|
| <pre>iegal Description. SW/4 of NW/4 of Sec. 18, T48m, R11M, NE/4 oi SR/4 of NE/4 Rast of Middle River, Sec. 13,</pre> | . 18, T48K, f Middle Ri | 18, T48K, R11M, ME/4 of ME/4 Middle River, Sec. 13, T48M, | :/4 East of Middle River, and IM, R12W. | ile River, ar | 72 | | · | |
| Right of Way and Essessit Grant | 08/08/53 | Lintula, Elmer A., et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 236 | 285 | 416409 | MI-DGL-096 |
| Legal Description: SE/4 of NW/4 of Sec. | . 18, T48N, R11W | R11W | | | | : - - | | |
| Right of Way and Easement Grant | 08/08/53 | Bitner, Martin L., et ux. | Lakebead Pipe Line Company, Inc. | Deeds | Vol. 236 | 287 | 416410 | WI-DGL-097 |
| Lagal Description: H/2 of HW/4 of SE/4 and H/2 of NE/4 of SW/4 | and H/2 of | 1 | of Sec. 18, T48N, R11N | RIIW | | | | |
| Right of Way and Basement Grant | 08/14/53 | Ahole, August, et ux. | Lekehead Pipe Line Company, Inc. | Deed e | 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 NE/4 and | | of Sec. 18, T48N, R11W | R119 | | | | |

State of Wisconsin County of Douglas

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Deeds

Lakeheed Pipe Line Company, Inc.

08/04/53 Maki, Edward

Right of Way and Easement Grant Legal Descriptions MW/4 of SW/4 of Sec. 16, T48W, R11W

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Deeds

Lakehead Pipe Line Company, Inc.

Wiltenen, Eino, et ux.

08/04/53

Right of Way and Basement Grant

Legal Description: NE/4 of SE/4, NW/4 of SE/4 of Sec. 17, T48N, R11W

State of Wisconsin County of Douglas

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Grantee

Grantor

Date

Document Title

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Deeds

Lakehead Pipe Line Company, Inc.

Gustafson, Gustaf, H., et

08/04/53

Right of Way and Easement Grant į

Legal Description: NW/4 of SW/4 of Sec. 17, T48N, R11W 167

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Deeds

Lakahead Pipe Line Company, Inc.

08/04/53 Nurmi, Werner

Right of Way and Eastment Grant State of Wisconsin County of Douglas

> Legal Description: 8/2 of the SE/4 of the SE/4 and W/2 of SE/4 of SW/4 of Sec. 15, T48M, R11W. Deeds Lakehead Pipe Line Company, Inc. Lund, Fred, et 08/04/53 Right of Way and Essement Grant

WI-DGL-108

416475

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Deeds

Lakehead

09/22/53 Hokkala,

Right of Way and

| Document Title | Date | Grantor | Grantee | Records | Book/Vol. | ol. Page | ye File No. | Reference No. |
|---|--------------|----------------------------|---|-----------------------------|-----------|----------|-------------|---------------|
| Right of Way and Exsement Grant | 08/05/53 | Pellinen, Heino | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 236 | 36 326 | 416476 | WI-DGL-109 |
| Legal Description: 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. | SE/4 of SH | /4 and 15 acres c | wt of 2 /2 of SB, | /4 of SW/4 of | | | | |
| Right of Way and Resement Grant | 09/02/53 | Hokkala, Arthur, et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 236 | 395 | 416591 | WI-DGL-112 |
| Legal Description: R/2 of W/2 of SW/4 of SE/4 of Sec. 15, T48N, R111 | of 518/4 of | Sec. 15, 748N, R1 | | | | | | |
| Right of Way and Essement Grant | 09/02/53 | Pellinen, Heino | Lakebead Pipe Line Company, Inc. | peed. | Vol. 236 | 6 419 | 416618 | WI-DGL-113 |
| Legal Description: That part of the SW/4 of SE/4 except SE 10 acres dated 3/12/14 and recorded in Book 122 of Deeds, T48N, R11N. | /4 of 82/4 e | except SE 10 acres | * heretofore conveyed by dead , Page 512 out of Sec. 15, | veyed by dead f Sec. 15, | | | | |
| | | | | | | | | |

State of Wisconsin County of Douglas

| Pipe Line Company, Inc. Lakehead Deede Vol. 236 273 416403 Company, Inc. Lakehead Deede Vol. 236 430 416302 Pipe Line Company, Inc. Lakehead Deede Vol. 236 430 416302 Lakehead Deede Vol. 236 430 416302 Pipe Line Company, Id. 748N, RilW | Document Title | Date | Oraștor | Grantee | Records | Book/Vol. | Yo1. | Pege | File No. | Reference No. |
|--|---|--------------|------------------------------|---|-----------|-----------|------|------|----------|---------------|
| Lakehead Deeds Vol. 236 273 416403 Pipe Line Company, Inc. Lakehead Deeds Vol. 236 430 416302 Pipe Line Company, Inc. 14, T48N, R11N Lakehead Deeds Vol. 236 397 416592 Pipe Line Company, Company, Company, Company, | Lasement Grant | | Beelia | Pipe Line Company, Inc. | | | | | | |
| Way and O8/04/53 Olson, Grant Ux. Lakehead Line Occupanty, Inc. Deeds Vol. 236 273 416403 Grant Ux. William, et Dompany, Inc. Pipe Line SW/4 of Sec. 14, T48W, RIIW Lakehead Deeds Vol. 236 430 416302 Grintion: Company, Inc. Company, Inc. Lakehead Deeds Vol. 236 430 416302 Grintion: Tolvo, et ux. Pipe Line Company, Inc. Lakehead Deeds Vol. 236 430 416302 Way and O9/02/53 Hakkils, Pilw, RIIW Lakehead Deeds Vol. 236 397 416592 Grant Tolvo, et ux. Pipe Line Company, Inc. Pipe Line Company, Inc. Pipe Line Company, Inc. | lecal Description: 32/4 of SW/4 of SE, | /4 of Sec. 1 | S, T48M, R11W | | | | | | | |
| Lakehead Deede Vol. 236 430 416302 Company, Inc. 14, T48N, RIIN Lakehead Deeds Vol. 236 397 416592 Company, | tight of Way and Lasement Grant | 08/04/53 | Olson, Willias, et ux. | Lakehead Pipe Line Company, Inc. | Peed Q | Vol. | 236 | 273 | 416403 | WI-DGL-120 |
| Lakehead Deeds Vol. 236 430 416302 Pipe Line Company, Inc. 14, T48N, RilW Lakehead Deeds Vol. 236 397 416592 Company, | agal Description: W/4 of the SW/4 of | f Sec. 14, T | 48M, R11W | | · | | | | | |
| 14, T48N, RILW Lakehead Deeds Vol. 236 397 416592 Company, | ight of Way and sasement Grant | 08/04/53 | Hakkila, Tolvo, et ux. | Lakehead Pipe Line Company, Inc. | Deede | Vol. | 236 | 430 | 416302 | WI-DGL-121 |
| 09/02/53 Hakkila, Lakehead Deeds Vol. 236 397 416592 Tolvo, et ux. Pipe Line Company, | ecal Description: /2 of SW/4 of SE/4 | 1 and 82/4 o | | T48N, R11W | | | | į | | |
| Inc. | light of Way and esement Grant | 09/02/53 | Hakkila, Tolvo, et ux. | Lekeheed Pipe Line Company, Inc. | \$ | Vol. | 236 | 397 | 416592 | WI-DGL-122 |

State of Wisconsin County of Douglas

Legal Descriptions HT/4 of the NW/4 of Sec. 24, 748M, NIIM

| Right of Way and uk. Sam, et Lakehead Deeds Vol. 236 263 416398 WI-DGL-129 Ligal Description. Right of Way and O6/03/53 Anderson, Lakehead Company, Ligal Deeds Vol. 236 265 416399 WI-DGL-130 Company, Ligal Description. Right of Way and O6/07/53 Ukbcls, Light of Way and W/2 of WH/4 of Way and O6/07/53 Ukbcls, Rilly. Right of Way and O6/07/53 Ukbcls, Lakehead Light of Way and O6/07/53 Ukbcls, Light of Way and O6/07/53 Ukbcls, Lakehead Company, Light of Way and O6/07/53 Ukbcls, Light of Way and Ukbcls, Li | Document Title | Date | Grantor | Grantee | Records | Book/Vol. | Vol. | 964 | File No. | Reference No. |
|--|---|--------------|---------------------------|---|--------------|-----------|------|-----|----------|---------------|
| Lakehead Deeds Vol. 236 265 416399 Company, Inc. NE/4 and M/2 of MW/4 of NE/4 Lakehead Deeds Vol. 236 275 416404 Lakehead Deeds Vol. 237 181 417205 N Pipe Line Company, Inc. | Right of Way and Easement Grant | | Mho, Sam, et ux. | Lakehead Pipe Line Company, Inc. | Deed | Vol. | 236 | 263 | 416398 | WI-DGL-129 |
| Lakehead Deeds Vol. 236 265 416399 Pipe Line Company, Inc. Lakehead Deeds Vol. 236 275 416404 Eakehead Deeds Vol. 236 275 416404 R10W R10W Lakehead Deeds Vol. 237 181 417205 W | Legal Description: N/4 of the NN/4 of | Sec. 19, T | 48H, RIOW | | | | | | | |
| Lakehead Deeds Vol. 236 275 416404 Lakehead Deeds Vol. 236 275 416404 Company, Inc. RiOw Lakehead Deeds Vol. 237 181 417205 Pipe Line Company, | tight of Way and Exsement Grant | 06/03/53 | Anderson, Fiins | Lakehead Pipe Line Company, Inc. | Deeds | vol. | 236 | 265 | 416399 | WI-DGL-130 |
| Lakehead Deeds Vol. 236 275 416404 Company, Inc. R10W Lakehead Deeds Vol. 237 181 417205 Company, | Agal Description: (E/4 of NW/4 of Sec. of Sec. of TABK, R. | • | RIOW and NE/4 of | | E NW/4 OF NR | • | | | | |
| Lakehead Deeds Vol. 237 181 417205 Pipe Line Company, | light of Way and assment Grant | 08/07/53 | | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 3 | 336 | 275 | 416404 | WI~DGL-131 |
| 08/11/53 Williams, Lakehead Deeds Vol. 237 181 417205 Ruby, et vir Pipe Line | egal Description: R/4 of MR/4 and MW/ | /4 of NB/4 o | | R10W | | | | | | |
| | ight of Way and assment Grant | 08/11/53 | Milliams, Ruby, et vir | Lakehead Pipe Line Company, | Deeds - | Vol. 2 | | 181 | | 1 |

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| Document Title | Date | drantor | Grantee | Records | Book/Vol. | Page | File No. | Reference No. |
|---|------------------|------------------------------------|---|----------------|----------------------|-------------------|----------|---------------|
| Amendment Amendment | 03/08/67 | | Inc. | Deeds Deeds | Vol. 228 Vol. 288 | 12 6 49 | 481611 | |
| Legal Description: NW/4 of NW/4 of Sec. | . 20, T48H, R10W | R10W | | | | | | |
| Right of Way and Resement Grant | 08/04/53 | Rantela, Binard, et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 236 | 27.7 | 416405 | WI-DGL-133 |
| Legal Description: NE/4 of NW/4 of Sec. 20, T48M, R10W | . 20, т48и, | R10W | | | | | | |
| Right of Way and Essement Grant | 08/10/53 | Wennerlof, Harold C., et ux. | Lakehead Pipe Line Company, | epeede | Vol. 236 | 247 | 416390 | WI-DGL-134 |
| Legal Description: NW/4 of NE/4 of Sec. 20, 148H, R10M | . 20, T48M, | RIOW | | | | | | |
| Right of Way and Essement Grant | 08/04/53 | Abell, Paul, et ux. | Lekshead Pipe Line Company, | Deeds | Vol. 237 | 149 | 417139 | WI-DGL-135 |

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| Document Title | Date | Grantor | Grantee | Records | Book/Vol. | Vol. | Page | File No. | Reference No. |
|--|------------------|----------------------------|---|---------|-----------|------|------|----------|---------------|
| iegel Description: NW/4 of NW/4 of Sec. 21 and NE/4 of NE/4 of Sec. | . 21 and HR | :/4 of ME/4 of Sec. | 20, T48N, R16N | | | | | | |
| Right of Way and Resement Grant | 08/10/53 | Maki, Bino, et ux. | Lakehead Pipe Line Company, | Deeds | Vol. 236 | 236 | 461 | 416684 | WI-DGL-136 |
| Legal Description: HE/4 of NN/4 of Sec. 21, T48H, RIOW | . 21, T48H, | R10W | | | | | | | |
| Right of Way and Essement Grant | 08/07/53 | Wiitale, Herman, et al. | Lakehead Pipe Line Company, | Deeds | Vol. 236 | | 279 | 416406 | WI-DGL-137 |
| Legal Description: NW/4 of NE/4 of Sec. | . 21, T48H, R10H | RIOW | Inc. | | | | | | |
| Right of Way and Easement Grant | 08/03/53 | Boroc, Arne, et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 236 | | 171 | 416303 | WI-DGL-138 |
| Legal Description: NE/4 of NE/4 of Sec. | . 21, T48M, R10W | RIOW | | | | | | | |

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| Document Title | Date | Orastor | Grantee | Records | Book/Vol. | 7896 | File No. | |
|--|-------------|--|---|--------------|-----------|------|----------|------------|
| Right of Way and Easement Grant | 08/03/53 | Aho, Herbert M., et ux. | Lakehead Pipe Line Company, Inc. | Deed e | Vol. 236 | 173 | 416304 | WI-DGL-139 |
| Legal Description: W/2 of ME/4 of NW/4 | and WW/4 o | and MW/4 of MW/4 of Sec. 22, | T48M, R10W | | | | | |
| Right of Way and Essement Grent | 08/03/53 | Rantala, Martin, et ux. | Lakeheed Pipe Line Company, | Deeds | Vol. 236 | 175 | 416305 | WI-DGL-140 |
| Legal Description: E/2 of NE/4 of NN/4 of Sec. 22, T48N, R10M | of Sec. 22 | . T48M, R10M | | | | | | |
| Right of Way and Easement Grant | 08/03/53 | Blomquist, Rudolph Albin, et ux. | Lakehead Pipe Line Company, Inc. | Dee d | Vol. 236 | 17.1 | 416306 | WI-DGL-142 |
| Lacal Description: NW/4 of WE/4 of Sec. 22, T48H, R10W | . 22, T48M, | RIOW | | | | | | |

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Deeds

Lakehead Pipe Line Company, Inc.

Snodgrass, Thomas J., et ux.

08/19/53

Right of Way and Easement Grant

| Document Title | ă | Date | Grantor | Grantee | Records | Book | Book/Vol. | Page | File Mo. | Reference No. |
|--|--|--------------------------------|--|---|--------------------------------|------------|-----------|-------------|----------|---------------|
| Legal Descript: N/2 of NE/4 of | lon: NE/4, W | set of B | legal Description: N/2 of NE/4 of NE/4, West of Brule River, Sec. | 22, T48M, R10W | , | | | | • | |
| Working Rights Agreement | Ö | 07/29/53 | Greenfleld, Hugh, et ux. | Lakehead Pipe Line Company, Inc. | Agreements Vol. 41 | Vol. | ‡ | 35 | 417441 | WI-DGL-145 |
| Legal Descript A strip of lank Worth 330 feet F48, R10W lying | Oni 1 20 feet of that Western | in widt portion y of the | Legal Description: A strip of land 20 feet in width and 50 feet in length off that part of the Worth 330 feet of that portion of the 8/2 of the ME/4 of the ME/4 of Sec. 22, T48, R10W lying Westerly of the Brule River. | length off tha | t part of the E/4 of Sec. 2 | <i>ن</i> د | | | | |
| Right of Way and Essessit Grant | | 07/31/53 | Steiner, Harold G., et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 236 | 236 | 4 05 | 416611 | WI-DGL-149-A |
| AGA! Descript! IE/4 of the ME/ M/4 of Sec. 23 | ODI 4 East o 748, R | f the Br 10W | Legal Description: ME/4 of the ME/4 East of the Brule River of Sec. MW/4 of Sec. 23, 148, R10W | . 22, T48, R10W and HW/4 of the | and MW/4 of t | 2 | | | | |

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Lakohead Pipe Line Company, Inc.

07/31/53 Harold G. Steiner, et ux.

Working Rights Agreement

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Deeds

Lakehead Pipe Line Company,

Yrjanainen, John, et ux.

08/06/53

Right of Way and Easement Grant Legal Description: NE/4 of the NW/4, except two parcels, of Sec. 23, T48N, RIOW Vol. 236

Deeds

Lakehead Pipe Line Company, Inc.

Baumgartner, Josephine, et

69/60/60

Right of Way and Essenent Grant

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

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Deeds

Lakehead Pipe Line Company, Inc.

08/11/53 Town of Brule

Right of Way and Essent Grant Legal Description: A strip of land 1 rod wide running east and west on the north side of the WE/4 of the WM/4, and a strip of land 1 rod wide north and south on the west side of the WE/4 of the WM/4 of Sec. 23, T48M, RIOM.

| | | Legal Description: SW/4 of ME/4 and WW/4 of ME/4 of Sec. 23, T48M, | 5€ 8e c. | | R10W | | | | | | |
|---|---|---|---|---|--|--|---------------------------|----------|------|--------|------------|
| Right of Way and Resement Grant | | 10/28/53 | Husted, Or V., et ux. | Husted, Orlan V., et ux. | Lakshead Pipe Line Company, Inc. | Desds | Vol. | Vol. 237 | \$15 | 417565 | WI-DGL-159 |
| Legal Description of said line of said Highway "H', Northwesterly intersection thence Easter intersection of beginning. | Legal Description: That part of SE 1/4 of described as follows: line of said Section S Highway "H", thence We Northwesterly parallel thence Easterly parallel intersection with the thence SELY along said | stion: SE 1/4 of NE 1/4, Section 23, Town follows: Beginning at a point who Section 23 intermets the Westerly thence West on said Quarter line in parallel to the said highway boun'y parallel to the said Rast and with the Westerly boundary line of long said Mly boundary line a dist | Section ng at a sets the ld Quart ld Quart waid hig P said hig Poundar | 23, Towns point where we wasterly is a line a character without a character with the control of the a distant | Incal 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 Zast and West quarter line to an intersection with the Westerly boundary line of said County Eighway "H", thence SEly along said Wly boundary line a distance of 346.5 feet to the point of beginning. | 10, West, 1 West quarter of County Trum of feet; thence of 346.5 feet ne to an ighway "H'; | uunk Goe et, et, | | | | |
| Right of Way and Essenant Grant | Ę. | 08/07/53 Main, Earl P. | Kain, 1 | Arl P. | Lakebead Pipe Line Company, Inc. | Deed | Vol. 236 | 236 | 2833 | 416408 | WI-DGL-160 |
| ACT DES | Legal Description: SE/4 of ME/4 (West of Highway "H" and exc. | Higheav . | . Pue | me. 223056 | 2230508) of Sec. 23, 748%, 810W. | TABE DIOM | | | | | |

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Deeds

Lakehead Pipe Line

08/13/53 Keinenen, Oscar

Right of Way and Basement Grant

| Company, Inc. SN/4 XE/4 of SN/4 and N/2 NE/4 of SN/4 of Sec. 24, T48N, RION 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. Lacal Deecriptions SN/4 of the NN/4 of Sec. 24, T48N, RION | Document Title | Date | Grastor | Grantee | Records | Book/Vol. Page | Page | File Mo. | Reference No. |
|--|---|--------------|------------------------------|---|---------|----------------|------|----------|--|
| Deeds Vol. 236 179 416307 | | | | Company, Inc. | | | | | m day a mada mada mada mada mada mada ma |
| , John Lakehead Deeds Vol. 236 179 416307 x. Company, Inc. | Legal Descriptions SN/4 ME/4 of SN/4 s | ind N/2 ME/4 | of SW/4 of Sec. | 24, T48M, R10W | | | | , | |
| Legal Descriptions SN/4 of the NW/4 of Sec. 24, T48M, R10W | Right of Way and Easement Grant | 08/03/53 | Anderson, John R., et ux. | Lakehead Pipe Line Company, Inc. | peeds. | Vol. 236 | 179 | 416307 | WI-DGL-163-A |
| | Legal Description1 SN/4 of the NW/4 of | Sec. 24, T | 18W, R10W | | | | | | |

383 Vol. 236 Legal Description:
Lots 1405 and 1418 on Pepin Street; Lot 1392 on Axof 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, Lakehead Pipe Line Company, Inc. County of Douglas 09/01/53 Right of Way and Kassment Grant Wisconsing

WI-DGL-163-B

Lote 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, Dougles 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 Mo. | Reference No. |
|--|--|--|--|--|------------|------|----------|---------------|
| Industrial Center, being a Subdivision of Block the Townsite of Superior, in the City of Superi | being & Sub arior, in t | setrial Center, being a Subdivision of Blocks in the Eastern Division of Townsite of Superior, in the City of Superior, Douglas County, Wisconsing | ks in the Eastern Division of lor, Douglas County, Wisconsi | Division of the Cartesian Division of the Cartesian of th | = | | | |
| Lot 528, Subdivision of Block 62 on East Seventh St 534 in the Subdivision of Block 64 on East Seventh Division, in the City of Superior, Douglas County, | n of Block lon of Bloc ty of Super | 528, Subdivision of Block 62 on East Seventh Street, and Lots 530, 532 am in the Subdivision of Block 64 on East Seventh Street, all in the Eastern Islon, in the City of Superior, Douglas County, Wisconsin; | h Street, and Lo nth Street, all ty, Wimconmin; | its 530, 532 a In the Baster | and irn | | | |
| The W $1/2$ of the SE $1/4$ of the SE $1/4$ of Section 3, Township 46 Morth, Range 13 West, in Douglas County, Wisconsin; | 1/4 of the County, Wi | s S 1/4 of Section sconsing | n 3, Township 48 | Morth, Range | | | | |
| 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 Nort Range 13 West, in Douglas County, Wisconsin; | iall of Bl plat of B J buglas Coun | coke 3 and 4, Vici //2 of NE 1/4 of Scity, Wisconsin; | ctoria Addition to Superior, Section 11, Township 48 North, | o Superior, hip 40 Morth, | | | | |
| That part of the SE 1/4 of the ME 1/4 of Section 23, 10 West, lying East of County Highway "H" in Douglas | 1/4 of the of County | Highway "H" in Do | | Township 48 Morth, Range County, Misconsin. | • | | | |
| Right of May and Basement Grant | 08/04/53 | 08/04/53 Copp, Matt, J. | Lakebead Pipe Line Company, Inc. | Deedle | Vol. 236 | 181 | 416308 | WI-DGL-164 |
| Legal Description: SE/4 of NW/4 of Sec. | . 24, T48H, R1OW | R10W | | | | | | |
| Right of Way and Essement Grant | 08/03/53 | Leppenen, Hilja Maria | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 236 | 183 | 416309 | WI-DGL-167 |

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| | Grantor |
| | Date |

Lagal Description: NW/4 of SE/4 of Sec. 24, 7488, RIOM

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| speed |
| Lakehead Pipe Line Company, Inc. |
| |
| Wentels, Arnold, et ux. |
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Lagal Description: NE/4 of SE/4 of Sec. 24, T48H, RIOW

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| 485645 | 489901 490677 492437 |
| 617 | 391 552 110 |
| 290 | 77 294 296 |
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| Deeds | Agreements Deeds Deeds |
| Lakehead Pipe Line Company, | |
| Douglas Co., Wisconsin | |
| 11/22/67 | 11/14/67 11/05/68 03/21/69 |
| light of Way and Resement Grant | wendeent wendeent wendeent |

Legal Description: Gov't. Lot 6, Sec. 1, T48M, R14W. The East half (E 1/2) of the Mortheast quarter (NE 1/4), the Mortheast quarter (NE 1/4) of the Southeast quarter (SE 1/4), Section 12, Township 48 Horth, Range 14 West and the Southwest quarter (SW 1/4), Section 7, Township 48 Morth, Range 13 West.

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

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

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The Mortheast quarter (ME 1/4), the East half (E 1/2) of the Southeast quarter (SE 1/4), Section 29, Township 48 Morth, Range 13 West

The West half (W 1/2) of the Morthwest quarter (NW 1/4) of the Morthwest quarter (NW 1/4), the Morth half (M 1/2) of the South half (S 1/2) of the Mortheast quarter (SW 1/4), Section 33, Township 46 Morth, 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 Wortheast 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 Nest

The Morthwest quarter (MW 1/4) of the Morthwest quarter (MW 1/4), Section 25, Township 47 Morth, 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 (NY 1/4), the Southwest quarter (SN 1/4), Section 7, Township 46 North, Range 12

The North half (N 1/2) of the Northwest quarter (NN 1/4), the Southwest quarter (SN 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 (NB 1/4), Section 19, Township 46 Morth, Range 12 West

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

The Mortheast quarter (ME 1/4) of the Southeast quarter (SE 1/4), Section 32, Township 46 Morth, Range 12 West

The Northwest quarter (MW 1/4), the Morth half (M 1/2) of the Southwest quarter (SW 1/4), Section 4, Township 45 Morth, Range 12 West

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

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Reference

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

The East half $(E\ 1/2)$ of the Morthwest quarter $(MM\ 1/4)$, the Southwest quarter $(SM\ 1/4)$, Section 15, Township 45 Morth, Range 12 West.

The East half (z 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 Mortheast quarter (ME 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 Worth, 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 Morth, Range 12 West

the South half (S 1/2) of the Southeast quarter (SE 1/4), Section 6, Township 43 Morth, 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 Morthwest quarter (NW 1/4), the Mortheast quarter (SW 1/4), the Southwest quarter (SW 1/4), the Southwest quarter (SW 1/4) of the Southeast quarter (SE 1/4), Section 28, Township 43

The Mortheast quarter (ME 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

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| Document Title | Date | Grantor | Grantes | Records | Book/Vol. Page | P.90 | File 80. | Reference No. |
|---|--------------|---------------------------------------|---|---------|----------------|------|----------|---------------|
| Right of May Grant | | 10/23/50 Renvall, Viljo A., et el. | Lakehead Pipe Line Company, Inc. | Deed | Book 220 | 272 | 403554 | WI-DGL-170 |
| <pre>Legal Description: Lot 251 on West 2nd Steet, Townsite of Supe</pre> | d Steet, Tox | naite of Superior, | rior, Wisconsin | | | | | |

| WI-DGL-171 |
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| 485646 |
| 621 |
| Vol. 290 |
| 9 |
| Lakehead Pipe Line Company, Inc. |
| City of Superior, Wisconsin |
| 11/24/67 |
| Right of Way and Essement Grant |

The following described tracts of land in the South half (\$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 Southwest quarter (\$E 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 Nemadji River as now situated, thence proceeding in a Westerly direction along the bank of the Memadji River and following eaid bank to the South Section line of said Southeast quarter (\$E 1/4), thence proceeding Westerly along the South Section line to the point

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

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

| Reference Ho. | WI-DGL-172 |
|----------------|---|
| File No. | 485355 |
| Page | ል ጨ |
| Book/Vol. Page | Vol. 290 |
| Records | Deed a |
| Orantee | Lakehead Pipe Line Company, Inc. |
| Grantor | 10/27/67 Palm, Clarence |
| Date | 10/27/61 |
| Document Title | Right of Way and Essent Grant |

Lakehead

Lake Superior

10/27/67

Right of Way and Essement Grant

Commencing at the Morthwest corner of the Morthwest quarter (NW 1/4) of the Mortheast quarter (NW 1/4) of Section 1, Township 48 Morth, 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 Morth 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 Morth line of said Section to the West line of said 40 acre tract, thence Morth along the West line of said forty acre tract to the place of beginning.

Legal Description:

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Pipe Line Company, Inc. Mink Para, Wisconsin Inc., a

Legal Description:
Commencing at the Morthwest corner of the Morthwest quarter (NW 1/4) of the
Mortheast quarter (NE 1/4), Section 1, Township 48 Morth, Range 14 West,
thence South a distance of 283 feet to a point marked by a 1/2 inch iron pipe;
thence South a distance of 283 feet to the West line of said Section 1 a
thence running East at right angles to the Mest line of said Section 1, to a
distance of 1287.6 feet parallel with the Morth line of said Section 1, to a point marked by a 3/4 inch iron pipe; thence running North at right angles parkedle to the West line of said Section 1, a distance of 818 fest 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 fest to the point of beginning, containing 24.28 acres, more or less, all in the North half (N 1/2) of the Northwest quarter (NN 1/4) of the Northeast quarter (NN 1/4) of Section 1, Township 48 Morth, Range 14 West, except that part thereof described in na. 519 nas 399

| Document fitie Date Book 279 of Deeds, page 209. | Date | Greator | Orestee | Records | Book/Vol. | . Pag. | Pile No. | Reference No. |
|--|-------------------------|---------------------------------------|---|---------|-----------|-----------|----------|---------------|
| Ratification of 03/11/69 Pipeline Right of Way and Essement Grant Lagal Description: Govt. Lot 6, Sec. 1, T48K, R14W | 03/11/69 , T46K, R14 | Kennelly, Myron T., et ux. | Lakebead Pipe Line Company, Inc. | P A | Vol. 295 | 59 | 492085 | WI-DGL-175 |
| Permit No. 75559 Legal Descriptions Sec. 12, T488, R148 | 02/06/68 | Great Morthern Railway Co. | Lakehead Pipe Line Company, Inc. | 1 | | 1 | 1 | WI-DGL-177 |
| Right of Way and Easement Grant | 04/02/68 | 04/02/68 Gillette, D. Dale, et ux. | Lakehead Pipe Line Company, | Deeds | Vol. 292 | 359 | 487315 | WI-DGL-178 |

State of Waccomia County of Designs

Legal Description:
The East 49.84 acres of the Morthwest Quarter (NW 1/4) and the Southeast
Quarter (SE 1/4) EXCEPT the railroad right of way Section 18; the Mortheast
Quarter (NE 1/4) Section 19; the Morthwest Quarter (NW 1/4) and the Morth Half
(N 1/2) of the Southwest Quarter (SN 1/4) and the Southwest Quarter (SW 1/4)
of the Southeast Quarter (SE 1/4), Section 20; and the Mortheast Quarter (NE 1/4)
1/4) except the Morth Half (N 1/2) of the Morthwest Quarter (NM 1/4) of the

| Southwest Quarter (SW 1/4) of the Quarter (SW 1/4) of the Bast 1/4) of the Morthwest Quarter (SW North, Range 13 West. | it Quarter (SW 1/4) of the (NW 1/4), except the Rast the Morthwest Quarter (NW tange 13 West. | Mortheast Hortheast Half (B 1/ 1/4), Sect | Mortheast Quarter (NE 1/4) and the Morthwest Half (E 1/2) of the Southwest Quarter (SW 1/4), Section 29. All being in Township 48 | Records od the Morth i Quarter (St in Township | Book/Vol. | l. Page | 711e No. | Reference No. |
|--|---|--|---|--|-----------|---------|----------|---------------|
| Right of Way and Easement Grant Legal Description: 8 1/2 SW 1/4, Sec. | 11/14/67 L4 O. 20, T48N, R13W | Larson, James O., et ux. 138 | Lakabaad Pipe Line Company, Inc. | Deeds | Vol. 290 | 0 612 | 485633 | WI-DGL-179 |
| Right of Way and Kasement Grant Legal Description: SW 1/4 SW 1/4, Sec. | 10/11/67 Hev Geo . 28, T48K, R13W | Hevers, George, et ux. | Lakehead Pipe Line Company, Inc. | 9 | Vol. 290 | 322 | 485098 | WI-DGL-180 |
| Right of Way and 11/15/67 Gunnell, Ensement Grant Mellie K. Mellie K. Legal Description: W 1/2 E 1/2 NW 1/4 NW 1/4, Sec. 33, T48M, W 1/2 E 1/2 NW 1/4 NW 1/4, Sec. 33, T48M, | 11/15/67 NW 1/4, Sec. | Gunnell, Mellie K. . 33, T48M, R13W | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 291 | 2 | 485756 | WI-DGL-181 |

| Document fitle | Date | Grator | Orantee | Records | Book/Vol. | Page | File 16. | Reference No. |
|---|------------|-----------------------------------|---|---------------|-----------|------|----------|---------------|
| Right of Way and Basement Grant | 10/18/67 | Olson, Gerald E., et ux. | Lakebead Pipe Line Company, Inc. | Peeds | Vol. 290 | 415 | 485282 | WIDGL-182 |
| <u>lacal Description:</u> H 1/2 SW 1/4 MW 1/4 and M 1/2 S 1/2 SW 1/4 | and H 1/2 | | MW 1/4, Sec. 33, T48M, R13W | P48M, R13W | | | | |
| Right of Way and Essement Grant | 10/25/67 | Larson, Brik A. | Lakebead Pipe Line Company, | pee qs | Vol. 290 | 455 | 485356 | WI-DGL-183 |
| Legal Description: 8 1/2 % 1/2 5% 1/4 %W 1/4, Sec. 33, T48M, R13W | M 1/4, Sec | . 33, T48H, R13W | | | | | | |
| Right of Way and Resement Grant | 10/16/67 | Huppert, Herbert F., et ux. | Lakebead Pipe Line Company, Inc. | Deed | Vol. 290 | 387 | 485209 | WI-DGL-184 |
| Legal Description: 8 1/2 8E 1/4 MW 1/4, Sec. 33, T48M, R13W, R13W | Bec. 33, | I48N, RI3W, also, | also, W 1/2 SE 1/4, Sec. 33, T48H, | Sec. 33, 148 | | | | |

485357

Vol. 290 457

Deeds

Lakehead Pipe Line Company,

10/21/67 Hooper, W. B., at ux.

Right of Way and Eassement Grant

485906

172

Vol. 291

Deeds

Lakehead Pipe Line Company, Inc.

12/01/67 Kansky, Joseph H.

Right of Way and Resement Grant

| Document Title | Date | Orantor | Orantee | 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 R13W | SW 1/4, Ale | O, 8 1/2 M 1/2 MK | NE 1/4 SW 1/4, Sec. 33, T48W, | 33, T48K, | | | • | |
| Right of Way and Resement Grant | 10/21/67 | Hooper, W. E., et ux. | Lakehead Pipe Line Company, Inc. | De ed | Vol. 290 | 459 | 485358 | WI-DGL-186 |
| Legal Description: 8 1/2 8 1/2 MB 1/4 SW 1/4, Sec. 33, T48M, R1 | SW 1/4, Sec | . 33, T48H, R13W | | | | | | |
| Right of Way and Essent Grant | 10/11/67 | Boustead, Leslie, et ux. | Lakehead Pipe Line Company, Inc. | Deede | Vol. 290 | 405 | 485269 | WI-DGL-187 |
| Legal Description: 8 3/4 SE 1/4 SW 1/4, Also M 1/2 M 1/2 SE 1/4 | , Also # 1/: | - | SW 1/4, Sec. 33, T48M, R13W | 8M, R13W | | | | |

WI-DCL-190

485100

326

Vol. 290

Deeds

Lakebead Pipe Line Company, Inc.

Kastern, Francis E., et

10/11/61

Right of Way and Essensit Grant

State of Wiscomin County of Douglas

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-

| outh line of e orty acre trac ection 10, Tow | tract, a dist. sid forty acre t a distance on nebip 47 Morth | said forty acre tract, a distance of 416 feet, thence East parallel with t South line of said forty acre tract, thence South along the East line of a forty acre tract a distance of 416 feet, to the point of commencement, all Section 10, Township 47 Morth, Range 13 West. | themse same parallel with the with along the East line of sail is point of commencement, all is | | in the of eaid all in | | · | |
|---|--|--|--|---|--|-----|--------|------------|
| Right of Way and Easement Grant | d 02/05/69 | Lord, Dewey, et uk. | Labehead Pipe Line Company, Inc. | Deed | Vol. 295 | 422 | 491718 | W-DGL-191 |
| Legal Descriptions The Southeast quar- part of the Morthe specifically descriptor, thence Weste feet, thence Weste feet, of the point West, Also, the Mo of Section 10, Tow | DAL Larter (SE 1/4 Cheast quarter erribed as com H Worthwest qui sterly 208 feet nt of beginning Mortheast quan Northeast quan Northeast quan Northeast quan | The Boutheast quarter (SE 1/4) of the Morthwest quarter (MM 1/4); ALSO, that part of the Mortheast quarter (NW 1/4), more specifically described as commencing at the Southeast corner of the Mortheast quarter (MM 1/4), running thence Mortherly 416 feet, thence Morthwest quarter (MM 1/4), running thence Mortherly 40 feet, thence Mesterly 208 feet, thence Southerly 416 feet, thence Easterly 208 feet, all in Section 10, Township 47 Morth, Range 11, West, ALSO, the Mortheast quarter (NE 1/4) of the Southwest quarter (SM 1/4) of Section 10, Township 47 Morth, Range 13 West. | Morthwest quari witheast corner uning thence i by 416 feet, ti 10, Township 4 the Southwest q | quarter (MW 1/4); NL80, the orthwest quarter (MW 1/4); sheast corner of the Morther uning thence Mortherly 416; 416 feet, thence Easterly 0, Township 47 Morth, Rangie Southwest quarter (SW 1/4) | that , more heast iy 208 inge 13 | | | |
| Right of Way and Essenant Grant | 10/26/67 | Krawza, Frank, et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol.290 | 461 | 485359 | WI-DGL-192 |
| egal Description 1/2 SE 1/4. Se | Legel Description: H 1/2 SE 1/4, Sec. 10, T47M, R13W | 1138 | | | | | | |

W. 519mm405

WI-DGL-193

486055

223

Vol.291

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Lekeheed

12/08/67 Beetcher,

Right of Way and

| Document Title | Title | Dete | Grantor | Grantee | Records | Hook/Vol. | Page | Pile No. | Reference No. |
|---|---|---|--|--|---------------------------------------|-----------|------|----------|---------------|
| Basement Grant | Grant | | Elmor | Pipe Line Company, Inc. | | | | | |
| Legal De N 1/2 SW | <u>Legal Description:</u> N 1/2 SW 1/4 SE 1/4, Sec. 10, T47M, R13W | Sec. 10, | T47M, R13W | | | | | | |
| Right of Way as | 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 De The Sout quarter | mcription: h one-half ((SE 1/4) of | 8 1/2) of 8 | Legal Description: The South one-half (S 1/2) of the Southwest quart quarter (SE 1/4) of Section 10, Township 47 Worth | warter (SW 1/4) of the Southeast orth, Range 13 West; | the Souther | ť | | | |
| The Mort Southwes quarter Morth, R | The Morthwest quarter (MW 1/4) of Southwest quarter (SW 1/4) of the quarter (SE 1/4) of the Mortheast Morth, Range 13 West. | or (NW 1/4) W 1/4) of the Morther | the Mortheas Mortheast quarter (ME | it quarter (ME 1/4); the sarter (ME 1/4) and the Southeast 1/4), Section 15, Township 47 |); the d the Southe Township 47 | 2 1) | | | |
| Right of Way and Easement Grant | Way and Grant | 12/30/67 | Perala, Russell W., et ux. | Lakebead Pipe Line Company, Inc. | Deeds | Vol.291 | 328 | 486257 | WI-DGL-195 |
| Legal De 8E 1/4 Si | Lecal Description: SE 1/4 SE 1/4, Sec. | 10, 74 7H, 1 | Lecal Description: SE 1/4 SE 1/4, Sec. 10, T47N, R13W, and NE 1/4 NE | ME 1/4, Sec. 15, T47H, R13W | T47H, R13W | | : | | |
| Right of Way and | Way and | 10/14/67 | Lally, Mary | Lakehead | Deeds | Vol. 290 | 344 | 485134 | WI-DGL-196 |

| Dogument Title | Date | Orantor | Grantes | Records | Book/Wol. | Vol. | Page | rile No. | Reference No. |
|---|--------------|---------------------------|---|---------------|-----------|------|----------|----------|---------------|
| Basement Grant | | Elisabeth | Pipe Line Company, Inc. | | | | | | |
| <u>Legal Description:</u> H 1/2 SW 1/4 SW 1/4; MW 1/4 SW 1/4; and SW 1/4 | i) NW 1/4 SW | | WW 1/4, Sec. 14, T47M, R13W | i, 147M, Rl3W | | | | | |
| Right of Way and Resement Grant | 02/14/68 | Burosh, George, et ux. | Lakebead Pipe Line Company, Inc. | Deeds | Vol. 292 | 292 | 79 | 486855 | WI-DGL-197-A |
| Legal Description: NE 1/4 SW 1/4, Sec. 14, T47M, R13W | . 14, 147и, | RI3W | | | | | | | |
| Ratification of Pipeline Right of Way and Essement Grant | 10/29/68 | Schmidt, Art, et ux. | Lakshead Pipe Line Company, Inc. | Deeds | Vol. 294 | 294 | 534 4 | 490645 | WI-DGL-197-B |
| Legal Description: HE 1/4 SW 1/4, Sec. 14, T47M, R13W | 14, T47M, | R13W | | | | | | | |
| Right of Way and Basement Grant | 10/11/67 | Melson, Clarence G., | Lakahead Pipe Line Company, | Deeds | Vol. 290 | 062 | 330 | 485102 | WI-DGL-198 |

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| Reference No. | |
|----------------|--|
| Pile No. | |
| 95 | |
| Book/Vol. Page | |
| Mecords | |
| Grantee | |
| Grantor | |
| Date | |
| Document fitte | |

Legal Rescription: SE 1/4 SW 1/4, Sec. 14, T47M, R13W

| WI-DGL-199 |
|---|
| 486424 |
| 4 |
| Vol. 291 |
| peeds |
| Lakehead Pipe Line Company, Inc. |
| Ellison, Clarence H., et ux. |
| 11/04/67 |
| Right of Way and Easement Grant |

Incal Description: NE 1/4 WW 1/4, except that part lying Northerly and Westerly of Amnicon River in Sec. 23, T47W, R13W

| WI-DGL-200 |
|---|
| 487064 |
| 176 |
| Vol. 292 |
| Deeds |
| Lakehead Pipe Line Company, Inc. |
| 3484 |
| Ethel La |
| |
| , Sthel |

Legal Description:
A strip of land 80 feet wide crossing a part of the West One-Half (W 1/2) of
the Mortheast Quarter (NE 1/4) of Section 23 Township 47 Morth, 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 Wortheast Quarter (WE 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 (WE 1/4) said point being 1583' West of the Southeast corner of the Northeast Quarter (WE 1/4), Section 23.

| Document Title | Dete | Grantor | Grantee | Records | Book/Vol. | 862 | Pile 16. | Reference No. |
|--|------------------|-----------------------------|---|---------|-----------|-----|----------|---------------|
| Right of Way and Basement Grent | 10/30/67 | Wheeler, Melvin, et ux. | Lakehead Fipe Line Company, Inc. | peed c | Vol. 290 | 463 | 485360 | WI-DGL-201 |
| Legal Description: SE 1/4 Sec. 23, T47N, R13W | 7M, R13W | | | | | | | |
| Right of May and Easement Grant | 10/12/67 | White, Robert J., et ux. | Lakehead Pipe Line Company, | Deeds | Vol. 290 | 346 | 485135 | WI-DGL-202 |
| Legal Description: NB 1/4 NB 1/4, Sec. 26, T47H, R13W | . 26, т47и, | R13W | Inc. | - | | | | |
| Right of Way and Resement Grant | 02/13/67 | Sundberg, Oscar | Lakebead Fipe Line Company, | Deeds | Vol. 292 | ~ | 486770 | WI-DGL-203 |
| Lecal Description: 6E 1/4 NE 1/4, Sec. | . 26, T47H, R13W | R1 3W | Inc. | | | | | |
| Right of Way and Basement Grant | 11/21/67 | Amys, Peter R., et ux. | Lakehead Pipe Line Company, | - P | Vol. 291 | 35 | 485784 | WI-DGL-204 |

State of Wisconsia County of Douglas

| Document Title | Date | Grantor | Grantee | Records | Book/Vol. | A Section 1 | File No. | Reference No. |
|--|----------------|-----------------------------|-----------------------------------|---------|-----------|-------------|----------|---------------|
| Legal Description: SW 1/4 WW 1/4, Sec. 25, T47M, R13W | 25, 7478, | R13W | Inc. | | | | | |
| Right of Way and Easement Grant | 10/12/67 | Hagen, Leonard | Lakebead Pipe Line Company, | Deeds | Vol. 290 | 348 | 485136 | WI-DGL-205 |
| iegal Description: NW 1/4 SW 1/4, Sec. | 25, T47H, R13W | Rlaw | | | | | | : |
| Right of Way and Essenant Grant | 10/30/67 | Stavnes, Mike, et ux. | Lakehead Pipe Line Company, | Deeds | Vol. 290 | 479 | 485396 | WI-DGL-206 |
| Legal Description: SW 1/4 SW 1/4, Sec. 25, T47M, R13W | 25, T47H, | RIJE | • | | | | | |
| Right of Way and Essenant Grant | 12/16/68 | 12/16/68 Wiehe, Marie C. | Lakehead Pipe Line Company, | Deeds | Vol. 295 | 233 | 491307 | WI-DGL-207-A |
| Legal Description. SE 1/4 SW, Sec. 25, | T47#, R13W | | | | | | | |

State of Wincomin County of Douglas

| SE 1/4 SW 1/4, Sec.25, T47K, R13W Right of Way and 12/16/68 Johnson, Easement Grant Secent Grant Legal Description: SE 1/4 SW 1/4, Sec. 25, T47M, R13W | Lakehead Pipe Line Company, Inc. | Deod | Vol. 295 | 22 | 491304 | WI-DGL-207-D |
|--|---|-------------|----------|-----|--------|--------------|
| Right of Way and 12/23/68 Boelter, Easement Grant Kargaret L. | Lakehead L. Pipe Line | peed | Vol. 295 | 225 | 491303 | WI-DGL-207-R |

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State of Wisconsin County of Douglas

Legal Description:

Right of Way and Easement Grant

Reference No.

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Book/Vol.

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Grantee

Date

Document Title

Right of Way and Essenent Grant

Right of Way and

Besement Grant

State of Wisconsin County of Douglas

| Document Title | Title | Date | Orantor | Grantes | Records | Book/Ve | Book/Vol. Page | | File No. | Reference No. |
|------------------------------------|----------------------------|-------------|----------------------------------|---|------------------------------|----------|----------------|----------|----------|---------------|
| the North point of | h line of su beginning, | and section | 1, thence West existing right | the North line of said Section 1, thence West along said Section line to the point of beginning, subject to existing right of way for highway purposes. | n line to the Y purposes. | | | | | |
| Right of Way and Essement Grant | Way and Grant | 10/20/67 | 10/20/67 Falk, John A. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 291 | 1 381 | 1 486374 | 374 | WI-DGL-213 |
| tenal Des | tenal Descriptions | | | | | | | | | |

| R13W |
|---|
| T46H, R13W |
| 1, |
| Sec. |
| SW 1/4 MB 1/4, |
| ## ## |
| |
| 7 |
| 3 |
| 72 |
| .# |
| Legal Descriptions NW 1/4 NE 1/4 and N 1/2 |
| * |
| A NE 1/4 |
| 9 |
| |
| 35 |

| WI-DGL-214-A | |
|--|------------|
| 485566 | 491891 |
| 529 | 415 |
| Vol. 291 | Vol. 78 |
| Deeds . | Agreements |
| Lakehead Pipe Line Company, | Inc. |
| 01/22/68 Mekoosa- Edwards Paper ii Co. | |
| 1/22/68 | 02/24/69 |
| 0 | 0 |

Legal Description: The South half (8 1/2) of the South half (8 1/2) of the Wortheast quarter (ME 1/4), and the Southeast quarter (SE 1/4) in Section 1, Township 46 Worth, Range 13 West.

The Southeast quarter (SE 1/4) of the Morthwest quarter (NW 1/4), the Morthwest quarter (SW 1/4), the Morthwest quarter (SW 1/4), the Morthwest quarter (SE 1/4), in Section 29, Township 46 Morth, Range 12 West.

The South half (8 1/2) of the Southeast quarter (SE 1/4) in Section 22, Township 45 North, Range 12 West.

The North half (M 1/2) of the Southeast quarter (SE 1/4) in Section 28, Township 43 North, Range 11 West.

| Document Title | Date | Grantor | Grantee | Records | Book/Vol. | . Page | Pile No. | Meference No. |
|--|--------------|------------------------------|---|--|-----------|-------------|----------|---------------|
| Right of Way and Resement Grant | 04/14/69 | Marstad, Oscar G., et al. | Lakehend Pipe Line Company, Inc. | P P | Vol. 296 | 131 | 492466 | WI-DGL-215 |
| Legal Description: SW 1/4 NE 1/4, Sec. 18, T46M, R12W | 18, 7468, | R12W | | | | | | |
| Right of Way and Espensent Grant | 10/25/67 | Harstad, Oscar G., et al. | Lakeheed Pipe Line Company, Inc. | *P************************************ | Vol. 290 | 4 68 | 485361 | WI-DGL-216 |
| Legal Description: SW 1/4 MW 1/4 and SE 1/4 MW 1/4, Sec. 18, T46W, | B 1/4 NN 1/- | 4, 8ec. 18, T46M, | R12W | | | | | |
| Right of Way and Resement Grant | 11/11/67 | Rampier, Anton, et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 290 | 630 | 485671 | WI-DGL-217 |
| <u>legal Description:</u> SE 1/4 NE 1/4 and NE 1/4 SE 1/4, Sec. 19, T46N, | # 1/4 SE 1/4 | l, Sec. 19, T46K, | R12W | | | | | |
| Right of Way and Eassant Grant | 10/13/67 | Pollock, Frank A., et ux. | Lakehead Pipe Line Company, Inc. | peed 2 | Vol. 290 | 350 | 485137 | WI-DGL-218 |

State of Wisconein County of Douglas

| Document Title | Date | Grantor | Grantee | Records | Book/Vol. | 761. | Page | File No. | Reference No. |
|---|-------------|-----------------------------------|---|---------|-----------|------------|------|----------|---------------|
| Right of Way and Resement Grent | 02/05/68 | Burns, Mancy K. | Lakehead Pipe Line Company, Inc. | Dee d | Vol. 291 | 291 | 919 | 486714 | WI-DGL-222 |
| Legal Description: H 1/2 6E 1/4, Sec. 22, T45H, R12H | 22, T45H, R | 12H | | | | | | | |
| Right of Way and Resement Grant | 10/21/67 | Ferguson, Robert B., et ux. | Lakehead Pipe Line Company, Inc. | Deed de | Vol. 290 | 5 6 | 423 | 485286 | WI-DGL-223 |
| <u>legal bescription;</u> ME 1/4, Sec. 27, T45M, R12W | 15K, R12W | | | | | | | | |
| Right of Way and Essenant Grant | 11/11/67 | Savela, Otto, et ux. | Lakehead Fipe Line Company, Inc. | Deeds | Vol. 290 | 06 | 636 | 485674 | WI-DGL-224 |
| Legal Description: Nest 20 acres of the MB 1/4 SB 1/4, Sec. 27, T4 | e NB 1/4 SE | 1/4, Sec. 27, T4 | 5N, R12W | | | | | | |
| Right of Way and Resement Grant | 11/17/67 | Role, Oliver N., et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 290 | | 638 | 485675 | WI-DGL-225 |

| Reference No. | |
|----------------|--|
| File No. | |
| 7296 | |
| Book/Vol. | |
| Records | |
| Grantee | |
| Grantor | |
| Pate | |
| Document fitle | |

Legal Description: 8E 1/4 SE 1/4, Sec. 27, T45M, M12M, except the Morth 200 feet of the South 400 feet of the East 200 feet.

| WI-DGL-226 | |
|---|--|
| 485908 | |
| 176 | |
| Vol. 291 | |
| Deeds | |
| Lakehead Pipe Line Company, Inc. | |
| 11/22/67 Role, Alton L., et ux. | |
| Right of Way and 11/ Easement Grant | |

Legal Description:
The Morth 200 feet of the South 400 feet of the East 200 feet of the SE 1/4 SE
1/4, Sec. 27, T45M, R12W

| WI-DGL-227 | |
|---|-------------|
| 486288 | 487255 |
| 344 | 326 |
| Vol. 291 | Vol. 292 |
| Deeds | Deeds |
| Bechtel Corporation | |
| 12/27/67 Mosines Paper Mills Company | |
| 12/27/67 | 03/27/68 |
| Right of Way and Resement Grant | Assignment. |

Legal Description. The Southwest Quarter (SW 1/4), Section 26, Township 45 Morth, Range 12 West;

The East half (E 1/2) of the Mortheast Quarter (NE 1/4) of the Morthwest Quarter (EW 1/4) Section 2, Township 44 North, Range 12 West;

The Southwest Quarter (SW 1/4) of the Mortheast Quarter (ME 1/4), Section 24, Township 44 Morth, Range 12 West,

The Morthwest Quarter (NW 1/4) of the Southeast Quarter (SE 1/4) of Section 6, Township 43 Morth, 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 Morth of County Trunk Highway G;

| Document Title | Dete | Grea tor | Grantee | Records | Book/Vol. Page | Page | File Mo. | Reference No. |
|---|--|---|--------------------------------------|------------------------------|----------------|------|----------|---------------|
| Part of the Boutheast Quarter (SE 1/4) of the Mortheast Quarter (NE 1/4) lying east of the right-of-way of Misconsin Central Railway Company, in Section 7, Township 43 Morth, Range 11 West; | et Quarter (f-way of Mis Range 11 Wes | (8% 1/4) of the No Hoomsin Central Ra Hts | rtheast Quarter ilway Compeny, i | (MR 1/4) lyi n Section 7, | 5 er | | | |
| The North half (N 1/2) of the Northwest Quarter (NN 1/4), Section 17, Township 43 North, Range 11 West, Except Railroad right-of-way; | /2) of the liber, Except | forthwest Quarter : Railroad right-o | (NW 1/4), Sectio f-way, | n 17, Townsh | d p | | | |
| The Southeast Quarter (SE $1/4$) of the Southeast Quarter (SE $1/4$), Section 17, Township 43, North, Range 11 West, | ar (SE 1/4) Range 11 We | of the Southeast | Quarter (SE 1/4) | , Section 17 | | | | |
| 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; | er (SE 1/4) Range 11 Wes | of the Southwest it, all lying in D | Quarter (SW 1/4) Ouglas County, W | , Section 21 isconsing | ٠ | | | |
| The Morthwest Quarter (WW 1/4) of the Morth Township 44 Morth, Range 12 West. | er (#W 1/4) Range 12 Wes | of the Mortheast it. | heast Quarter (ME 1/4), Section 2, | ,Section 2, | | | | |
| | | | | | | | | |

| Right of Way and 11, Essenent Grant | 11/27/67 Lucas, Armand D., et ux. | | Lakehead Pipe Line Company, Inc. | Beeds | Vol. 291 | 178 | 46 5909 | WI-DGL-228 |
|--|--------------------------------------|---------------------------------------|---|-------|----------|-----|----------------|------------|
| Legal Description: | | • • • • • • • • • • • • • • • • • • • | | | | | | |

| | 485785 |
|--|---|
| | 37 |
| | Vol. 291 |
| t of Sec. 35, | Deeds: |
| East 660 feet | Lakehead Pipe Line Company, Inc. |
| . Morth 660 feet of the East 660 feet of Sec. 35, | Wester, Phillip E., et ux. |
| pt the Mor MW 1/4, S | 11/22/67 |
| egal <u>Description:</u> N 1/4 NV 1/4, except the P45M, R12V. SV 1/4 NV 1/ | Right of Way and Easement Grant |
| Lega NW 1 T45H | Righ Feed |

| Document Title | Date | Grantor | Orantee | Records | Book/Vol. | Page | Pile Mo. | Reference No. |
|--|-------------|-----------------------------|---|---------------|-----------|------|----------|---------------|
| Legal Descriptions The Morth 660 feet of the East 660 feet of the NW 1/4 NW 1/4, Sec. 35, T45N, R12N | of the East | : 660 feet of the | NW 3/4 NW 3/4, | 8ec. 35, 1451 | ن | | | |
| Right of Way and Resement Grant | 10/21/67 | Shaw, Charles L., et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 290 | 425 | 485287 | WI-DGL-230 |
| Legal Description: NR 1/4 NN 1/4, Sec. 35, T45M, R12W | 35, T45M, | R12W | | | | | | |
| Right of Way and Easement Grant | 11/13/67 | Ryden, Knute G., et ux. | Lakehead Pipe Line Company, | Deeds | Vol. 290 | 593 | 485594 | WI-DGL-231 |
| Legal Description: SE 1/4 MW 1/4, Sec. 35, T45M, R12W | 35, T45K, | RIZW | • 50 T | | | | | |
| Right of Way and Easement Grant | 11/09/67 | Hockett, William | Lakehead Pipe Line Company, | Deeds | Vol. 291 | 24 | 485757 | WI-DGL-232 |
| Legal Description: SW 1/4, Sec. 35, T45M, R12W | SK, R12W | | | | | | | |

State of Wiscomein County of Douglas

| Document Title | Dete | Grantor | Grantee | Records | Book/Vol. | Wol. | Page | File Mo. | Reference No. |
|---|------------------|------------------------------------|---|---------|-----------|------|------|----------|---------------|
| Right of Way and Ensement Grant | 10/19/67 | Heidtke, Clifford R., et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 290 | 290 | 427 | 485288 | WI-DGL-233 |
| Legal Description: SW 1/4 SE 1/4, Sec. | . 35, T45H, R12H | R126 | | | | | | | |
| Right of Way and Basement Grant | 12/05/67 | Hill, Harold James, et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 291 | 29.1 | 225 | 486056 | WI-DGL-234 |
| Legal Description: SW 1/4 NE 1/4, Sec. 2, T44M, R12W | 2, T44H, R | 12W | | | | | | | |
| Right of Way and Resement Grant | 11/04/67 | Batting, Michael T., et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 290 | 06; | 538 | 485492 | WI-DGL-235 |
| Legal Description: NW 1/4 SK 1/4, Sec. | 2, T44H, R12H | 12H | | | | | | | |
| Right of Way and Rasement Grant | 01/20/68 | Ballard, Harlow S. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 291 | | 242 | 486574 | WI-DGL-236-A |

486491

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Deeds

Lakeheed Pipe Line Company, Inc.

Hanson, Arnold A., et ux.

01/22/68

Right of Way and Easternt Grant

State of Waccomin County of Douglas

| Document Title | Date. | Grantor | Grantee | Records | Book/Vol. | Page | Pile No. | Reference No. |
|--|----------------------------|-------------------------------------|---|--------------|------------|------------|----------|---------------|
| Lagal Description: W 1/2 SW 1/4, Sec. 12, T44M, M12W | 12, T44K, 3 | 112W | | | | | , | |
| Right of Way and Essement Grant | 10/14/67 | Drevland, Harold, et ux. | Lakehead Pipe Line Company, | Deeds | Vol. 290 | 356 | 485140 | WI-DGL-239 |
| Amendment | 11/05/68 | | Inc. | Deeds | Vol. 294 | 547 | 490671 | |
| Legal Descriptions The Wortheast quarter (NE 1/4) (Except 148 44 Worth, Range 12 West, | or (ME 1/4) West, | | Deeds, 521) of Section 24, Township | ion 24, Town | ship | | | |
| East half (E 1/2) of the East half (E 1/2) of Section 24, Township 44 North, Range 12 West, | f the East p 44 Morth, | half (\$ 1/2) of the Range 12 West, | of the Morthwest quarter (MW $1/4$), it, | arter (WW 1/ | . ; | | | |
| The Morthwest quarter (MW 1/4) of the Mortheast quarter (MB 1/4) of Section 25, Township 44 Morth, Range 12 West. | er (MW 1/4) th, Range 1 | of the Mortheast 2 West. | quarter (MB 1/ | 4) of Sectio | c | | | |
| Right of May and Resement Grant | 11/20/67 | Melson, A. Mels | Lakshead Pipe Line Company, Inc. | Deeds | Vol. 291 | ø. El | 485786 | WI-DGL-240-A |
| Legal Description: NW 1/4 NW 1/4 (except 263 of Deeds, 306) Sec. 31, T44M, R11W. | pt 263 of D | eeds, 306) sec. 31 | 1, T44K, R11W. | | | | | |
| Right of Way and Easement Grant | 11/20/67 | Melson, A. Hels | Lakehead Pipe Line | Deeds | Vol. 291 | 4 5 | 485799 | WI-DGL-240-B |

| Reference No. | | WI-DGL-241 | | WIDGL-243 | | WI-DGL-244 |
|----------------|---|---|--|---|--|---|
| Pile Mo. | | 485800 | | 486715 | | 488160 N |
| Page | | 4.7 | | 618 | | 63 |
| Book/Vol. | | Vol. 291 | | Vol. 291 | | Vol. 293 |
| Records | | Deed 8 | 4H, R11H | Deeds | | Deedd |
| Grantee | Company, Inc. | Lakehead Pipe Line Company, Inc. | in Sec. 31, T4 | Lakebead Pipe Line Company, Inc. | | Lakehead Pipe Line Company, Inc. |
| Grantor | meds, 306) Sec. 31 | Lynch, John R., et ux. | St. Croix River | Ryden, Roland K., et ux. | AT TI | 05/18/68 Cewald, Stella M. |
| Date | ot 263 of D | 11/11/67 | west of the | 11/29/67 | 31, T44H, H | 05/18/68 |
| Document Title | Company, Inc. Inc. WW 1/4 NW 1/4 (except 263 of Deeds, 306) Sec. 31, T44M, R11W. | Right of Way and Resement Grant | Legal Description: SW 1/4 MW 1/4 lying west of the St. Croix River in Sec. 31, T44W, RilW | Right of Way and Ensement Grant | Legal Description: ME 1/4 SW 1/4, Sec. 31, T44M, R11W | Right of Way and Resement Grant |

ME 519 mm 424

WI-DGL-246-B

491209

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Deeds

Lakshead Pipe Line Company, Inc.

11/12/68 Friberg, Edythe

Deed of Resement or Right of Way

| Document Title | Date | Grator | Grantos | Records | Book/Vol. | Page | Pile Mo. | Reference No. |
|--|---------------------------|--|---|--------------------------|-----------|------|----------|---------------|
| <pre>Legal Description: The North 520 feet of the 88 1/4 8W 1/4, Sec. 31, T44W, R11W</pre> | of the 68 1 | 1/4 8W 1/4, Sec. 31 | l, T44M, R11W | | | | , | |
| Right of Way and Essement Grant | 11/25/67 | Toen of Gordon | Lakehead Pipe Line Company, Inc. | Deed | Vol. 291 | 180 | 485910 | WI-DGL-245 |
| <pre>legal Description: WW 1/4 SE 1/4, and SW 1/4 SE 1/4, Sec. 31,</pre> | SW 1/4 SE 1 | | r44M, R11W | | | | | |
| Deed of Resement or Right of Way | 11/14/68 | sloan, Virginia G. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 295 | 169 | 491208 | WI-DGL-246-A |
| <pre>Legal Description: Northeast Quarter (NE 1/4) (except parts sold to Dahlberg Power and Light Company) in Section Six (6), Township Porty-Three (43), Range Eleven (11), West.</pre> | (ME 1/4) (ex 18 (6), T | cept parts sold to ownship Forty-Thre | Dahlberg Power e (43), Range El | and Light Leven (11), | | | | |
| | | | | | | | | |

State of Wincomin County of Douglas

| Document Title | Date | Grantor | Grantee | Records | Book/Vol. | Yo1. | Page | Pile No. | Leference No. |
|---|---------------------------------|--|---|------------------------------|-----------|------|------|----------|---------------|
| Legal Descriptions Mortheast Quarter Company) in Section West. | L (ME 1/4) (e. on Six (6), | <pre>Legal Description! Mortheast Quarter (ME 1/4) (except parts sold to Dahlberg Power and Light Company) in Section Six (6), Township Forty-Three (43), Range Eleven (11), West.</pre> | o Dahlberg Powe | er and Light Bleven (11), | | | | | |
| Deed of Easement or Right of Way | 11/12/68 | Rosin, Clifton M. Jr., et ux. | Lakehead Piye Line Company, Inc. | Deed. | Vol. 295 | 295 | 17.1 | 491210 | WI-DGL-246-C |
| Legal Description. Mortheast Quarter (Company) in Section | L (ME 1/4) (e. on Six (6), ' | <pre>Legal Description: Mortheast Quarter (ME 1/4) (except parts sold to Dahlberg Power and Light Company) in Section Six (6), Township Forty-Three (43), Range Eleven (11), West.</pre> | bahlberg Power (43), Range | er and Light Bleven (11), | | | : | | |
| Deed of Essenent or Right of Way | 11/14/68 | Sloan, Virginia R., Guardian for Gladys R. Rosin Moore | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 295 | 295 | 271 | 491211 | NIDGL-246-D |
| <pre>Legal Description: Mortheast Quarter Company) in Section West.</pre> | L (ME 1/4) (ex on Six (6), ? | <pre>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 Elsven (11), West.</pre> | bahlberg Powers (43), Range | r and Light Eleven (11), | | | | | |

485911

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Deeds

Lakshead Pips Line Company,

Dahlberg Light and Power Company

11/21/67

Right of Way and Easement Grant

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wa 519mm426

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| Records | |
| Grantee | Inc. |
| Grantor | |
| Date | |
| Document Eitle | |

Commencing at the Northeast corner of the Northwest quarter (NW 1/4) of the Southeast quarter (SR 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 Bast on said quarter line to the point of beginning, and all of which land lies North of Said Highway "G". Lecal Descriptions

| WI-DGL-249 |
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| 485398 |
| 483 |
| Vol. 290 |
| Deeds |
| Lakehead Pipe Line Company, Inc. |
| Richardson, Phyllis M. |
| 79/16/01 |
| Right of May and Resement Grant |

2

Legal Description: SW 1/4 NR 1/4, Sec. 17, T43W, RIIW

| WIDGL-250 |
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| 485399 |
| 4 80 50 |
| Vol. 290 |
| Deeds |
| Lakehead Pipe Line Company, Inc. |
| 10/31/67 Newmome, W. W., et ux. |
| 10/: |
| Right of Way and Essement Grant |

Legal_Description;
The Southeast quarter (SE 1/4) of the Northwest quarter (NW 1/4) and the
Mortheast quarter (NE 1/4) of the Southwest quarter (SW 1/4) and the Southeast
quarter (SE 1/4) of Section 17, Township 43 Morth, Range 11 Nest,

ALSO, the Southeast quarter (SE 1/4) of the Southwest quarter (SH 1/4), EXCEPTING Relicoed right of way, in Section 28, Township 43 North, Range 11 Heat.

| Document Fitle | Title | Dete | Orentor | Grantee | Records | Book/Wol. | Page | File No. | Reference No. |
|---|---|-------------------------------------|---|--|---|-----------|------|----------|---------------|
| ALSO, the EXCEPTING Meet. | e Mortheast G Railroad r | querter (M ight of we | ALSO, the Mortheast quarter (NE 1/4) of the Sout EXCEPTING Railroad right of way, in Section 33, Nest. | Southeast quarter (SE 1/4), 33, Township 43 Morth, Range 11 | (SE 1/4), rth, Range 11 | _ | | | |
| Right of Way and Basement Grant | Way and Grant | 12/28/67 | Downes, George W., et al. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 291 | 539 | 486573 | NI-DGL-251 |
| Legal Den HE 1/4 HI | ecription: E 1/4 and E | 1/2 8# 1/4 | <u>Legal Description:</u> HE 1/4 ME 1/4 and E 1/2 SE 1/4 NE 1/4, Sec. 20, | 20, T43K, R11W | | | | | • |
| Right of Way and Easement Grant | Way and Grant | 03/06/68 | Howenstine, Bert F., et ux. | Lakehead Pipe Line Company, Inc. | Deed w | Vol. 292 | 181 | 487074 | WI-DGL-252 |
| Legal Del The Bast land in t fifty-two | cription: half (8 1/2 the Southers: (52) rods: 10, Township | of the Science (SE) correctly and 6 | 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 Worth and South by sixty-two (62) rods East and West, Section 20, Township 43 Worth, Range 11 West. | (SE 1/4), EXCEPT ast quarter (SE > (62) rods East | a parcel of 1/4), being and West, | | | | |
| Right of Way and Essent Grant | May and Grant | 10/31/67 | Demuth, John W., et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 290 | 487 | 485400 | WI-DGL-253 |

| Document Title | Date | Grantor | Ö | Grantee | Recerds | Book/Vol. Page | 9 24 | File No. | Reference No. |
|--|-------------|------------------------------------|---|---|------------------|----------------|-------------|----------|---------------|
| Legal Description: SN 1/4 SW 1/4 (except 211 Deeds, page 227) | pt 211 Deed | le, page 227 | | 8ec. 21, T43N, R11W | | | | | |
| Right of Way and Basement Grant | 11/01/67 | 11/01/67 Bailey, Jam M., et ux. | • | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 290 | 489 | 485401 | WI-DGL-254 |
| Legal Descriptions NE 1/4 NW 1/4, Sec. 28, T43K, RIIW; NW 1/4 T43K, RIIW | 28, T43K, | RIIN; NW 1/ | | WW 1/4, (Govt. Lot 1) Sec. 28, | 56 0. 28, | | | | |
| Right of Way and Eassment Grant | 10/25/67 | 10/25/67 Larson, Erik A. | | Lakehead Pipe Line Company, Inc. | Deed | Vol. 290 | 455 | 485356 | WI-DGL-255-A |

State of Wiscomin County of Douglas

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| 290 | |
| Vol. 290 | |
| Deeds | except a described as d forty acre |
| Lakshead Pipe Line Company, Inc. | Legal Description: Northeast quarter (NE 1/4) of the Northwest quarter (NW 1/4), except a sectangular tract of about two acres in the Southeast corner, described as follows: Commencing in the Southeast corner of said described forty acre |
| * | T Gus |
| , H | hweel n th |
| 10/11/67 Kastern, Francis E., et ux. | he Nort Acres i Cheast |
| 1 9/ | of the Soul |
| 0/11/ | 1/4) bout n the |
| | |
| lay and irant | ription quarter r tract Commenci |
| 2 t | Desc Past ngula re: |
| Right of Way as Easement Grant | Kedal North rectal |

Legal Description: 8 1/2 M 1/2 88 1/4 NW 1/4, Sec. 33, T48M, R13W WI-DGL-255-B

485100

| File No. Reference No. | - | 485139 WI-DGL-256 | | 491096 WI-DGL-257 | |
|------------------------|--|---|---|---|---|
| Page F41 | | 354 485 | | 91 491 | |
| | | | | | |
| Book/Vol. | | Vol. 290 | | Vol. 295 | |
| 2 | 70° | Vol | | Vol | |
| Records | bed 40 acre tract, a last line of said forty el with the South line line of said forty acre ment; all in Section 10, | speed | | Deeds | , Section 32, |
| Orantee | waid described 40 acrevith the East line of East parallel with the g the East line of said of commencement; all in | Lakehead Pipe Line Company, Inc. | | Lakehead Fipe Line Company, Inc. | guarter (ME 1/4), Section 32, |
| Orastor | h line of a h parallel t, thence a South along the point o | Manor, Wilma C. | RIZW | Grinyer, Allen, et ux. | <u>Legal Description:</u> Morthwest quarter (MW 1/4) of the Morthesst q Township 46 Morth, Range 12 West; |
| Date | tract, Thence West along the Sout distance of 208 feet, thence Mort acre tract, a distance of 416 fee of said forty acre tract, thence tract a distance of 416 feet, to Township 47 Morth, Range 13 West. | 10/13/67 | <u>legal Description:</u> SW 1/4 SE 1/4, Sec. 29, T46H, R12W | 02/05/68 | RW 1/4) of 1 Range 12 Wei |
| Title | hance West of 208 fee ct, a dista forty acre distance of 47 Morth, | Way and Grant | ecription E 1/4, 8ec. | Way and Grant | Legal Description: Morthwest quarter (i Township 46 Morth, i |
| Dogument Title | tract, T distance acre tra of said tract a Township | Right of Way and Easternt Grant | Legal De SW 1/4 Si | Right of Way and Essment Grant | Legal De Morthwest Township |

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485672

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Deeds

Lakehead Pipe Line Company,

11/16/67 Huray, Helen Jane, et vir

Right of Way and Essement Grant

| Document Title | Dete | Grantor | Orantos | Records | Book/Vol. | Vol. | 85 | Pile Bo. | Reference No. |
|--|-----------------|-----------------------------------|---|-----------|-----------|------|-----|----------|---------------|
| Legal Description: SW 1/4 WE 1/4, Sec. 32, T46M, R12W | 32, 7468, | R12W | Inc. | | | | | | |
| Right of Way and Essent Grant | 11/16/67 | Pison, John Stephen, et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 290 | 290 | 634 | 485673 | WI-DGL-259 |
| Legal Description: SE 1/4 ME 1/4, Sec. 32, T46M, R12W | 32, T46K, | R12W | | | | | | | |
| Right of Way and Resement Grant | 11/04/67 | Huray, John F., et ux. | Lakahead Pipe Line Company, Inc. | Deede | Vol. 290 | 290 | 534 | 485490 | WI-DGL-260 |
| Legal Description: SE 1/4 SE 1/4, Sec. | 32, T46M, R12W. | | W 1/2 SW 1/4, Sec. 33, T46M, R12W | 46x, R12¥ | | | | | |
| Right of Way and Basement Grant | 10/26/67 | Bay, Leonard C., et ux. | Lakehead Pipe Line Company, Inc. | Deed a | Vol. 290 | 061 | 536 | 485491 | WI-DGL-261 |

State of Winconsin County of Douglas

Legal Description: SE 1/4 SW 1/4; SW 1/4 SE 1/4; Sec. 4, T45M, R12W

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Deeds

Lakehead Pipe Line Company, Inc.

06/28/68 Kelleher, Helen

Right of Way and Easement Grant Legal Description: W 1/2 NW 1/4, Sec. 15, T45M, R12W

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Deseda

Lakehead Pipe Line Company, Inc.

Swanson, Raymond S., et ux.

10/11/61

Right of Way and Easement Grant Lagal Description: SW 1/4 SW 1/4, Sec. 10, T45M, R12W

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Lakehead Pipe Line Company, Inc.

Carlson, Gerald Harry, et al.

01/30/68

Right of Way and Essenent Grant Legal Description: E 1/2 ME 1/4, Sec. 9, T45M, R12W

State of Wisconsin County of Douglas

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Legal Description. HE 1/4 NW 1/4, Sec. 22, T45M, R12W

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| Book 220 | |
| Deeds | |
| Lakshead Pips Line Company, Inc. | |
| Douglas County | |
| 02/08/20 | |
| Right of Way Grant 05/08/50 | Towns of the same of the same |
| Ž | • |

WI-DGL-266-A

Lote 32, 33 & 34, Block No. 12 in the City of Superior. Fr. Lote. 24, 25, 26, 27, & 28, Block No. 8. Lote 9, 10, 11, 12, 13 & 14, Block No. 5. Lote 21, 22 & 23, Block No. 3. Lote 22, 23, 24 & 25, Block No. 6 in the City of Superior. Lote 25 & 26, Block No. 44 in the City of Superior. Lote 21, 22, 23, 24, 25 & 26, Block No. 24. Lote 13, 14 & 15, Block No. 45. Fr. Lote 21, 22, 23, 24, 25 & 26, Block No. 24. Lote 6, 7 & 8, Block No. 23. Lote 23 & 24, Block No. 9. Lote 5, 6, 7, 14, 15, 16 & 17, Lot No. 7. Lote 1 & 2, Block No. 4. Lote 11 & 12, Block No. 8, Village of Superior. Lote 4, 5, 6, 7, 8, 9, 10 & 11, Block No. 1, Village of Superior. RI4M, Township of Superior.

| WIDGL-266-B |
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| 399597 |
| 38 |
| Book 220 |
| speed |
| Lakehead Pipe Line Company, Inc. |
| Douglas County |
| 12/05/49 |
| Right of Way Grant |

Legal Description:
Southwest Quarter (SM1/4) of the Northeast Quarter (NE1/4) of Section Two (2)
Southwest Quarter (SM1/4) of the North Range Fourteen (14) West, Township of
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 May in Lot

Grantor

Pate

Document Title

Reference No.

Pile No.

Records

Mock/Vol.

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 1/4 of the SW 1/4 of Section 10, T48W, R14W, Township of Superior. S 1/2 of the SE 1/4 of the SE 1/4 and the WW 1/4 of the SE 1/4 of the SE 1/4 of Sec. 9, T48W, R14W, Township of Superior. W 1/2 of the WE 1/4 and the S 1/2 of the WW 1/4 less the Interstate Transfer Railroad Right of Way and the W 1/2 of the WW 1/4 of the SW 1/4 of Section 16, T48W, R14W, of Way), Block H 1/2 of the SE 1/4 and the SW 1/4 of the SE 1/4 and Township of Superior. Railroad Right the S 1/2 of the SW 1/4 of Section 17, T48M, R14W, 7), Block No. 2, and Fr. Lots 11 & 12 rownship of Superior.

| Document Title | t Title | Dete | Grantor | Grantes | Records | Book/Vol. | Page | File No. | Leference No. |
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| 1/2 of the MW the MW 1/4 and 1/2 of the SW Township of Su Bection 24, 74 1/4 and the SW the SE 1/4 and 1/2 of the E 1 NW 1/4 of the of the W 1/2 of 1/2 of the SE Unnamed. lots 28, Block No. in Syndicate N recorded plat. | the NW 1/4 of the SW 1/4 and the SW 1/4 and the 24, 748W, R the SW 1/4 and the the E 1/2 of the NE 1/4 and the SW 1/ | f Section and the SW 1/4 of th | 1/2 of the NW 1/4 of Section 20, T48N, R14W, To the NW 1/4 and the NW 1/4 of the NE 1/4 and the NW 1/4 of the NE 1/4 and 1/2 of the SW 1/4 and the SW 1/4 of the SE 1/4 and Section 24, T48N, R15W, Unnamed. N 1/2 of the SE 1/4 and the SW 1/4 of the SW 1/4 of Section 26, the SE 1/4 and the SW 1/4 of the SW 1/4 of the NW 1/4 of the NE 1/4 and the SW 1/4 of the NW 1/4 of the NE 1/4 and the NW 1/4 of the SW 1/4 and the SW 1/4 of the Unnamed. SE 1/4 and the SW 1/4 of the SW 1/4 of the SW 1/4 and the SW 1/4 of the SW 1/4 of the SW 1/4 and the SW 1/4 of the SW 1/4 of the SW 1/4 and the SW 1/4 of the | Township of Super se SE 1/4 of the 19, 1 the SW 1/4 of the SW 1/4 of the SW 1/4 of the SW 1/4 of the W 1/2 of the W 1/2 of the W 1/2 of the W 1/4 of | uperior. E 1/2 of the HW 1/4 and the H 19, T48H, R14H, of the SE 1/4 of the H 1/2 of the SW 1, Unnamed. E1/2 of HF, R15M, Unnamed. E of the E 1/2 of the 1/4 and the W 1/2 the SW 1/4 of the HE 1/4 and the W 1/2 of he WE 1/4 and the W 2, T48M, R15W, and Lote 22, 26, 27 and according to the | SW S | | | |
| Right o | Right of Way Grant | 12/12/50 | 12/12/50 Dougles County | Lakebead Pipe Line Company, Inc. | Deeds | Book 220 | 310 | 404129 | MI-DGL-266-C |
| Legal Des Lots 1, 2 Superior. | escription: 2 & 3, Bloc r. | k 1; Pokeg | <u>legal Description.</u> Lots 1, 2 & 3, Block 1; Pokegame Park Addition Superior. | lon to South Superior, Village of | or, Village o | ¥. | | | |

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WI-DGL-267

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Book 220

Deeds

Lakehead Fipe Line Company, Inc.

Right of Way Grant 08/08/50 City of Superior

| File No. Reference No. | | 399273 WI-DGL-268 | | 401053 WI-DGL-269 | | 399268 WI-DGL-270 |
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| Book/Wol. | | Book 220 | | Book 220 | | Book 220 |
| Records | or, Wisconsin | Deeds | Ange 15-W, | Deeds | | peeq# |
| Grantee | City of Superi | Lakebead Pipe Line Company, Inc. | Township 48-M, Range 15-W, | Lakehead Pipe Line Company, Inc. | 48M, Range 15W. | Lakehead Pipe Line Company, Inc. |
| Grantor | <u>Legal Description:</u> Lots 178, 180 & 182 on West 1st Street in the City of Superior, Wisconsin | Largon, Thomas | <pre>Legal Description: W-19.96 Acres of Lot Three (3), Section 31, T Unnamed.</pre> | Melson, Berthe M., et vir | | Killeen, Thomas |
| Date | on West 1s | 11/08/49 | : Three (3) | 04/21/50 | , Section | 11/09/49 |
| : Title | s, 180 ¢ 182 | Right of Way Grant | Acres of Lot | Right of Way Grant | <pre>legal Description: sE 1/4 SW 1/4 NE 1/4, Section 32, Township</pre> | Right of Way Grant |
| Document Title | Lote 174 | Right of | Legal De N-19.96 Unnamed | Right of | 140al Di SE 1/4 S | Right of |

State of Wiscomin County of Douglas

Legal Description:
NE 1/4 NW 1/4 & 8 1/2 NW 1/4, Section 33, Township 48K, Range 15W.

| Document Title | Date | Grantor | Grantee | Records | Book/Vol. | 264 | File No. | Reference No. |
|---|--------------|---|---|---------------------|----------------------|-----|----------|---------------|
| Right of Way Grant | 11/07/49 | Smilanich, Kike, et ux. | Lakehead Pipe Line Company, Inc. | Deed | Book 220 | E | 399276 | WI-DGL-271 |
| Legal Description: E 1/2 of E 1/2 of NW 1/4 of NE 1/4, Section 33, | W 1/4 of MB | 1/4, Section 33, | Township 48K, Range 15W. | 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 |
| <u>Legel Description:</u> W 1/2 W 1/2 MB MB 1/4 G B 1/2 W 1/2 SW MB 1/4, 15W. | ./4 & # 1/2 | | 8ection 33, To | Township 48H, Range | a ng a | | | |
| Right of Way Grant | 12/02/49 | Klancher, Louis, et ux. | Lakehead Fipe Line Company, Inc. | Pe e | Book 220 | 37 | 399596 | WI-DGL-273 |
| Legal Description: $E = 1/2$ of the NE $1/4$ of the NE $1/4$, | of the ME 1, | /4 of the WE 1/4, | Section 33, T 48K, R 15K. | 48K, R 15W. | | | | |
| Right of Way Grant | 11/07/49 | Berg, Edla | Lakehead Pipe Line | 9 9 | Book 220 | 27 | 399270 | WI-DGL-274-A |

| Document Title | Date | Grastor | Grantes | Records | Book/Vol. | Page | File Mo. | Reference No. |
|--|----------------------------|---------------------------------------|---|------------------|------------|------|----------|---------------|
| Legal Description: W 1/2 of the E 1/2 of the NE 1/4 of the NE 1/4 | of the WB 1 | /4 of the ME 1/4, | Inc. , Section 33, T 48K, R 15W. | 48K, R 15W. | | | | |
| Densitometer Installation Receipt | 08/11/90 | County of Douglas | Lakehead Pipe Line Company, Inc. | • | | | | WI-DGL-274-B |
| Legal Description: W 1/2 of the B 1/2 of the MB 1/4 of the MB 1/4 48M, R 15W. | of the MB 1 | /4 of the WE 1/4 | of the MB 1/4, Section 33, | | (4 | | | |
| Right of Way Grant | 03/13/50 | 03/13/50 Kirby, Marthe I | Lakehead Pipe Line Company, Inc. | Deeds | Book 220 | 110 | 401058 | 81-DGL-275 |
| <pre>lecal Description: A strip of land lying northwesterly of the Military Road across the northwesterly portion of the M 1/2 NW 1/4 Section 34, Township 48M, Range 15W.</pre> | ng northwes on of the M | terly of the Mili 1/2 NW 1/4 Secti | tary Road acros | s the 48M, Range | 15W. | | | |
| Right of Way Grant | 05/31/50 | Woodward, Albert L., et al. | Lakehead Pipe Line Company, Inc. | Deeds. | Book 220 | 179 | 402218 | NI-DGE-276 |

State of Wisconsin County of Douglas

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| Document Title | : Title | Date | Grantor | Orantee | Records | Book/Vol. Page | Page | File No. | Beference |
|---|---|---|---|--|--|----------------|------|----------|------------|
| Pipeline | Pipeline Rasement | 01/29/68 | St. Regis Paper Company | Lakehead Pipe Line Company, Inc. | | | | | WI-bgl-279 |
| Legal Da H 1/2 S 1/4 NH 1 33. H 1 34. Sec Section Section of Range | Legal Descriptions 1/4 NE 1/2 and SE 1 1/4 NE 1/4, and 1/2 E 33. E 1/2 SE 1/4 and 1/4, Section 26. NE Section 26. W 1/2 NE Section 24, and SE 1 of Range Fifteen West | /4 NE 1/4, 1/2 NE 1/4, d SE 1/4 SI 1/4 NE 1/, N 1/4, Sect /4 SE 1/4, | Legal Description: H 1/2 S 1/2 and SE 1/4 NW 1/4, Section 32, E 1/2 1/4 NE 1/4 N 1/2 E 1/2 NN 1/4 NE 1/4 and N 1/2 1/2 1/2 SE 1/2 NN 1/4 SN 1/4, Section 27, N 1/2 NN 1/4 Section 26. N 1/2 NN 1/4 Section 25. E 1/2 SE 2/2 Section 26. N 1/2 NN 1/4, Section 25. E 1/2 SE 2/2 Section 24, and SE 1/4 SN 1/4, Section 24. Town of Range Fifteen West (15 N). | E 1/2 E 1/2 ME 1/4 ME 1/4, W 1/2 MW W 1/2 W 1/2 SW 1/4 ME 1/4, Section on 27. W 1/2 SW 1/4 and ME 1/4 SW 6. W 1/2 SE 1/4 and S 1/2 ME 1/4, 1/2 SE 1/4 and SW 1/4 SW 1/4, Township Forty-eight Worth (48 W) | # 1/4, W 1/2 1/4, Section and WE 1/4 Si 1/2 WE 1/4, SW 1/4, E Morth (48 I | in the second | | | |
| Right of | Right of Way Grant | 04/03/50 Seidel, Christi | g | Lakehead Pipe Line Company, Inc. | Deeds | Book 220 | 107 | 401055 | WI-DGL-280 |
| 1.6981 DE SW 1/4 H | <pre>Legal Description: SW 1/4 ME 1/4 Section 19, Township 46M, 3</pre> | n 19, Town | ship 48M, Range 14W. | <u>.</u> | | | | | |

Duluth, Missabe and Iron Range Railway Co. 04/11/50 Right of Way Grant

Lakehead Pipe Line Company, Inc.

WI-DGL-281

401054

105

Book 220

Deeds

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 | Grantas | Records | Book/Vol. | Page | File No. | Reference No. |
|---|------------------------------|--|--|----------------------------------|-----------|------|----------|---------------|
| attached hereto an the SE 1/4 of SE 1, West. | d made a paz /4 of MR 1/4 | attached hereto and mede a part hereof, and across Sylvan Grove Addition the SE 1/4 of SE 1/4 of ME 1/4 of Section 17, Township 48, North, Range 1 West. | ross Sylvan Grove Addition in Township 48, North, Range 14, | ve Addition in rth, Range 14, | | | | |
| Right of May Grant | 03/29/50 | Sharf, Rose | Lakehead Pipe Line Company, Inc. | Deeds | Book 220 | 108 | 401056 | WI-DGL-282 |
| edal Descriptions ote 13 and 14 in 0, Township 48M, 1 | Block 1, Pok Range 14W. | <u>Legal Descriptions</u> Lote 13 and 14 in Block 1, Pokegame Park Addition SW 1/4 SW 1/4 SW 1/4 Section 10, Township 48%, Range 14W. | on SW 1/4 SW 1/ | /4 SW 1/4 Sect | lon | | | |
| Right of Way Grant | 11/07/49 | Podgorak, Thomas P., et ux. | Lakehead Pipe Line Company, Inc. | 8 | Book 220 | 29 | 399272 | WI-DGL-283 |
| edel Description: 1/2 NE 1/4 SW 1/4 Ownship 48-N, Ran | t and SW 1/4 | legal Description: B $1/4$ and SW $1/4$ NE $1/4$ SW $1/4$ and SE $1/4$ SW $1/4$ Section 10, Township $48-N$, Range $14-N$. | d 8E 1/4 SN 1/4 | Section 10, | | | | |
| Right of May Grant | | 02/14/50 Coe, R. S., et ux. | Labehead Pipe Line | Deeds | Book 220 | 55 | 400306 | WI-DGL-284 |

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| b. Reference M | | WI-DGL-286 | | WI-DGL-287-A | | WI-DGL-287-B |
|----------------|--|---|---|---|---|-----------------------------------|
| File 16. | | 400321 | | 401052 | | 400317 |
| -ga- | | 71 | | 103 | | 67 |
| Book/Vol. | M | Book 220 | • | Book 220 | n 10, | Book 220 |
| Records | perior, WW 1/4 | Deeds | 5 of Magoffin's Township 48M, Range | Deed | SE 1/4 Section | Deeds |
| Grantee | Village of Su | Lakebead Pipe Line Company, Inc. | in Block 5 of ction 10, Town | Lakebead Pipe Line Company, Inc. | on, in NW 1/4 | Lekehead Pipe Line Company, |
| Orantor | ffin's Addition, Range 14W. | Stanley, J., et ux. | Block 4 & Lot 24 NW 1/4 SE 1/4 Se | Wilcox, Sarah, et vir | Magoffin's Additi | Benrick, Esther H., et al. |
| Date. | 3 of Maga | 01/21/50 | £ 12 in Superior | 04/21/50 | Block 4, 1 14W. | 03/06/50 |
| Document Title | Lecal Description: Lots 5 & 6 in Block 3 of Magoffin's Addition, Village of Superior, NW 1/4 SE 1/4 Section 10, Township 48K, Mange 14W. | Right of Way Grant | <pre>Legal Description: Lote 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 48H, 14W.</pre> | Right of Way Grant | <u>Legal Descriptions</u> Lots 1, 2, 3 & 4 of Block 4, Magoffin's Addition, in NW 1/4 SE 1/4 Section 10, Township 48K, Range 14W. | Right of Way Grant |

WE 519 ME 443

| Document Title | Date | | | | | | | | | |
|--|---------------------------|-----------------------------------|--------------------|---|---------------|----------|-----|-----------|--------|--------------|
| Legal Description: Lots 11, 12 & 13 in Block 5, Cheltenham Addition, Village of Superior, W 1/2 MW 1/4 MW 1/4 Section 11, Township 48W, Range 14W, Township of Superior. | Block 5, C on 11, Town | Sheltenhas A Sehip 488, R | ddition ange 14 | , Village of a W, Township of | Muperior, W] | 5 | | | | |
| Right of Way Grant | 11/07/49 | 11/07/49 Onnested, John | John | Lakehead Pipe Line Company, Inc. | peed . | Book 220 | 220 | 38 | 399271 | WI-DGL-291 |
| <u>legal Description:</u> E 1/2 of the NW 1/4 of the NW 1/4 of Sec. 11, T | of the KW | 1/4 of Sec. | | 46K, R 14W. | | | | | | |
| Right of Way Grant | 01/24/50 | Saunders, Robert L., et ux. | | Lakehead Pipe Line Company, Inc. | Deeds | Book 220 | 220 | 2 | 400324 | WI-DGL-292-A |
| Legal Description: Lots 1, 2, 3 & 4 in Block 1, World's Pair Division, Town of Superior ME 1/4 MW 1/4 Section 11, Township 48M, Range 14W | Block 1, W ship 48M, 1 | orld's Pair Rance 14W | Distaic | n, Tom of Su | perior #8 1/ | 3 | | | | |

WI-DGL-292-B

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Book 228

Deeds

Lakehead Pipe Line Company, Inc.

Right of Way Grant 12/06/51 Engstrom, Irene

| Document Title | : Title | Date | Grantor | Grantee | Records | Book/Vol. | . Page | rile Mo. | Reference No. |
|---|--|--|--|---|--|------------|-----------|----------|---------------|
| Legal Desirots One Division plats the Douglas C | <pre>Legal Descriptions Lots One (1), Two (2), Thr Division of South Superior plats thereof on file and Douglas County, Wisconsin.</pre> | 2), Three (uperior, Vi le and of r consin. | <pre>Legal Description: Lots One (1), Two (2), Three (3) and Four (4), in Block One (1), World's 1 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 Douglas County, Wisconsin.</pre> | in Block One (, according to .ce of the Regi | 1), World's Pair the plat or star of Deeds for | hir for | | - | |
| Right of | Right of Way Grant | 02/23/50 | Alm, C.V., et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Book 220 | \$ | 400318 | WI-DGL-295 |
| Legal De Lots 23, Superior | <u>Legal Description:</u> Lots 23, 24 & 25 in Block 26 of W Superior, Township 48H, Range 14W | Block 26 o 68M, Range | <u>Legal Description:</u> Lots 23, 24 & 25 in Block 26 of Webster Division SW 1/4 Section 2, City of Superior, Township 48M, Range 14W | n SW 1/4 Secti | on 2, City of | | | | |
| Right of | Right of Way Grant | 02/24/50 | Wilson, Lowell, et ux. | Lakehead Pipe Line Company, Inc. | speed | Book 220 | 99 | 400316 | WI-DGL-296-A |
| Legal Da Lot wix in the S | <pre>legal Description: Lot six (6) Block to in the 8 1/2 SW 1/4</pre> | wenty elx (Section 2, | <pre>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-W, Range 14-W</pre> | eion, City of Bu Range 14-W | uperior Wiscon | u; et | | | |
| Right of | Right of Way Grant | 05/03/50 | Wilson, Lowell, at ux. | Lakebead Pipe Line Company, Inc. | Deeds | Book 220 | 148 | 401583 | WI-DGL-296-B |
| | | | | | . | | | | |

| Document Title | Title | Date | Orantor | Grantes | Records | Book/Vol. | Page | File No. | Reference No. |
|---|--|------------------------|--|---|---------------------------|-----------|------|----------|---------------|
| Legal Des Lots 4 E Superior, Superior. | <u>Legal Description:</u> Lots 4 & 5 of Block 26 of Superior, Wisconsin S 1/2 Superior. | 26 of Webs S 1/2 SW | Webster Division of South Superior, City of SW 1/4 Section 2, Township 48M, Range 14W, City of | outh Superior, (wmship 48H, Rang | city of pe 14W, city o | ** | | | |
| Right of | Right of Way Grant | 03/01/50 | Abbott, Welba M., et vir | Lakshead Pipe Line Company, Inc. | Deed | Book 220 | 85 | 400315 | WI-DGL-297 |
| Lots 7, 4 Township | ecription: 8, 9, 10, 11 48#, Range | . 4 12 in B | <u>legal Description:</u> Lots 7, 8, 9, 10, 11 & 12 in Block 26 of Webste Township 48H, Range 14W, City of Superior. | er Division SW 1/4 Section 2, | 14 Section 2, | | | | |
| Right of | Right of Way Grant | 03/07/50 | Adkins, Roland W., et ux. | Lakebead Pipe Line Company, Inc. | Deeds | Book 220 | 109 | 401057 | WI-DGL-298 |
| Legal Des Lots 9, 1 Township | <u>legal Description:</u> Lote 9, 10 & 11 in Bloc) Township 48K, Range 14K | lock 23, W | <u>Legal Description:</u> Lots 9, 10 & 11 in Block 23, Webster Division, 1 Township 48K, Mange 14W | Superior, Wisconsin, Section 2, | sin, Section | ř | | | |
| Right of | Right of Way Grant | 02/24/50 | Wippich, August J., et ux. | Lakebead Pipe Line Company, Inc. | De da | Book 220 | 58 | 400307 | WI-DGL-299 |

| Document Title | Date | Grantor | Grastoe | Records | Book/Vol. | Page | Pils No. | Reference No. |
|--|---------------------------|---|---|--------------------------|-----------|------|----------|---------------|
| Legal Description: Lots Thirteen (13), Syndicate Addition, City of Superior. | Fourteen (W 1/2 MW 1 | Fourteen (14) and Fifteen (15) in Block Eight W 1/2 NW 1/4 8E 1/4, Section 2, Township 46M, | 15) in Block Eig n 2, Township 46 | ht (8), M, Range 14W, | • | | | |
| Right of Way Grant | 02/28/50 | Dvorak, Louis J., et ux. | Lakehead Pipe Line Company, Inc. | Deeds | Book 220 | 79 | 400314 | WI-DGL-300 |
| Legal Description: Lots 15 & 16 Bock six (6) Syndicate Addition City of Superior, Wisconsin in W 1/2 NW 1/4 SE 1/4, Section 2, Township 48N, Range 14N | lx (6) Synd Mection 2, | icate Addition Cl Township 48M, Ran | ty of Superior, 1 ge 14W | Wisconsin in | 3 | | | |
| Right of Way Grant | 03/21/50 | Lucien, Clara M., et al. | Lakebead Pipe Line Company, Inc. | Deeds | Book 220 | 111 | 401059 | WI-DGL-301 |
| Legal Description: Lots 18, 19 & 20 in Block 6, Syndicate Addition 2, Township 48K, Range 14W, City of Superior. | Block 6, 8 19e 14W, CL | yndicate Addition ty of Superior. | W 1/2 MW 1/4 SB 1/4, Section | 1/4, Section | | | | |
| 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 |

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| <u>legal Description:</u> Lots 6, 7 £ 8 in Block 6, Syndicate Addition W Township 48H, Range 14W, City of Superior. | lock 6, Bynk e 14W, City | iscate Addition W of Buperior. | 1/2 NW 1/4 SE 1/4, Section 2, | 1/4, Section | 2, | ' | | |
|--|-----------------------------|---|--|-------------------------------|----------|-----|--------|------------|
| Right of Way Grant | 02/27/50 | Clary, E.H., et ux. | Lakebead Pipe Line Company, Inc. | Deeds | Book 220 | 62 | 400312 | WI-DGL-303 |
| <pre>Legal Description: Lots 13, 14 & 15 in Block 12, Syndicate Addition #2 E 1/2 NW 1/4 SE 1/4, Section 2, Township 48M, Range 14W, City of Superior.</pre> | n Block 12, p 48K, Range | Syndicate Addition 14W, City of Su | on #2 E 1/2 MM perior. | 1/4 82 1/4, | | | | |
| Right of Way Grant | 03/01/50 | Lang, Ferdinand A., | Lakehead Pipe Line Company, Inc. | Deeds: | Book 220 | 61 | 400311 | HI-DGL-304 |
| Legal Description: Lots 8-9-10-11-6-12 Superior, Wisconsin 14W | | Block twelve (12) Syndicate in the E 1/2 NW 1/4 SE 1/4 | # Addition No. two (2) City of Section 2, Township 48N, Range | two (2) city mehip 48K, Ru | of Of | | | |
| Right of Way Grant | 08/08/20 | city of Superior | Lakehead Pipe Line | ₽ ₽ | Book 220 | 306 | 402527 | WI-DGL-306 |

WI-DGL-310

400327

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Book 220

Deeds

Lakehead Pipe Line Company, Inc.

Right of Way Grant 01/27/50 Walberg, Fred W., et ux.

WI-DGL-313

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Book 220

Deeds

Lakeheed Pipe Line Company, Inc.

04/13/50 Morthwestern Improvement

Easement Deed No. 12681

| Document Title | Date | Grastor | Grantee | Records | Book/Vol. Page | 2 | File Mo. | Reference No. |
|--|--------------------------|---------------------------|---|--|----------------|----|----------|---------------|
| Legal Descriptions Southern Division, City of Superior E 1/4 E 1/2 Block 12.W. 11th St., Section 30, Township 49M, Range 13W | city of Bug lange 13W | metor # 1/4 # 1/2 | Block 12.W. 11t | h St., Section | u | | - | |
| Right of May Grant | 02/01/50 | Johnson, Frances L. | Lakehead Pipe Line Company, Inc. | ************************************** | Book 220 | 99 | 400310 | WI-DGE-311 |
| <pre>Legal Description: SE 1/4 of Block 11 on West 11th Street - Section 30, Township T49M, Range 13W</pre> | on West 11t | h Street - Section | 30, Township I | 19M, Range 13 | 2 | | | • |
| Right of Way Grant | 02/15/50 | Shaw, Viola E., et vir | Lakehead Pipe Line Company, Inc. | Peeds | Book 220 | 88 | 400308 | WI-DGL-312 |
| Legal Description: E 5/8 NE 1/4 of Block il on West lith Street - 13W | ck 11 on 16 | st lith Street - 8 | Section 30, Township 49%, Range | ihip 49K, Ran | | | | |

| Legal Description: Right of Way Grant 01/25/50 Beeds, Lester, Lakehead et ux. Regal Description: Western Division, City of Superior Lot 161 on W. 7th St Sect Township 49M, Range 13M | onsin. d Deeds | Book 220 | | | |
|--|-----------------------|----------|----|--------|------------|
| ż | | Book 220 | | | |
| ż | | | 75 | 400325 | W1-DGL-316 |
| | 7th St Section 30, | | | | |
| Right of Way Grant 01/25/50 Rose, Lakehead Blizabeth D., Pipe Line et vir Company, Inc. | Deeds | Book 220 | 26 | 400326 | WI-DGL-317 |
| Legal Description: Western Division, City of Superior Lot 162 on W. 6th St Township 49K, Range 13K | 1. 6th St Section 30, | | | | |

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| Document | Document Title | Dete | Grastor | Grantee | Records | Book/Vol. | . Page | F11e No. | Reference No. |
|----------------------------------|---|-------------------|--|---|---------------|-----------|--------|----------|---------------|
| Legal De Western Township | ectiption: Division, Ci 49W, Range | ty of Supe 138 | Legal Description: Western Division, City of Superior Lot 161 on W. Township 49K, Range 13W | W. 4th St Section 30, | lon 30, | | | ٠ | |
| Right of | Right of May Grant | 02/01/50 | City of Superior | Lakeheed Pipe Line Company, Inc. | Deeds | Book 220 | 69 | 400319 | WI-DGL-319 |
| Lecal De Lots 162 Township | Legal Description: Lots 162 & 164 on West Township 49M, Range 13W | st 3rd St. | <u>Legal Description:</u> Lots 162 & 164 on West 3rd St., Western Division, City of Superior Section 30, Township 49M, Range 13W | , City of Super: | ior section : | 30, | | | |
| Right of | Right of Way Grant | 02/23/50 | Benretty, William J. | Lakehead Pipe Line Company, Inc. | De eds | Book 220 | 89 | 400309 | WI-DGL-322 |
| Legal Der Lot 163 (13W | ecriptions on West 3rd | Street, Cil | Legal Descriptions Lot 163 on West 3rd Street, City of Superior Section 30, Township 49M, Range 13W | tion 30, Townshi | ly 49M, Range | | | | |

WI-DGL-323-A

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Book 220

Deeds

Lakehead Pipe Line Company, Inc.

08/04/50 Douglas County

Right of Way Grant

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

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.

| WI-DGL-323-B | |
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| 401051 | |
| 102 | |
| Book 220 | |
| Deeds | |
| | |
| Lakeheed Pipe Line Company, Inc. | • |
| 04/26/50 Douglas County Lakehead Pipe Line Company, Inc. | - |

Lots 176, 178, 180, 182, 183, 184, 185 and 187 West Second Street, Lots 189, 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. Legal Description:

| WI-DGL-328 | |
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| Lakehead Pipe Line Company, | ë |
| Worthern Pacific Railway | Company |
| 06/22/50 | 11/21/61 08/28/68 |
| Road Crossing Permit (No. 72261) | Amendment Amendment |

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. | . Joj | 8 | F13. No. | Reference No. |
|---|--|--|---|---------------------------------|-----------|-------|-----|----------|---------------|
| Also the southwesterly 15 feet of the northeasterly southwesterly 15 feet of the northeasterly 25 feet said City, according to the recorded plat thereof. | ly 15 feet it of the n i to the re | of the northeast ortheasterly 25 corded plat there | starly 25 feet of Lot 3 and the feet of Lot 4, Detroit Pier, in moof. | of Lot 3 and t Detroit Pier, | g S | | | · | |
| Right of Way and Eassment Grant | 12/18/67 | 12/18/67 Gander, Fidel, et ux. | Lakehead Pipe Line Company, | Deeds | Vol. 291 | | 342 | 486287 | WI-DGL-329-A |
| Legal Description: HE/4 of HW/4 of Sec. 22, T45N, R12W. | 22, T45N, | Rizw. | | | | | | | |
| Right of Way and Essement Grant | 11/24/67 | 11/24/67 Gender, Alton E., et el. | Lakehead Pipe Line Company, | Deeds | Vol. 292 | | 203 | 487114 | WI-DGL-329-B |
| Legal Description: NE/4 of NW/4 of Sec. 22, T45H, R12W. | 22, T45H, | R12W. | | | | | | | |

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WI-DGL-330

485562

Vol. 290

Deeds

Lakehead Pipe Line Company, Inc.

11/09/67 Droege, Fred J., et ux.

Right of Way and Essement Grant

Legal Descriptions
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 | F11e No. | Reference No. |
|--|-----------------------------|---|---|----------------------------|-----------|------|-----------|---------------|
| Pipe Line Crossing Permit (License No. 18141) | 05/01/68 | Soc Line Railroad Company | Lakehead Pipe Line Company, Inc. | | 1 | ı | | WI-DGL-331 |
| Legal Description: Across Railroed Company's property at Gordon, W approximately 237 feet in the MB corner of MW/4 | mpeny's prop feet in the | werty at Gordon, 1 WB corner of MW/4 | Wisconsin, for a '4 SW/4, Sec. 31, | distance of Team, RilW. | | | | |
| Right of Way Esement | 03/26/68 | State Conservation Commission of Wisconsin | Lakehead Pipe Line Company, Inc. | Peed B | Vol. 292 | 314 | 487244 | WI-DGL-332 |
| Legal Description: 6.27 acres in Sec. 8, | 8, T43H, R11W. | .w. | | | | | | |
| | 01/20/90 | J.P.R. Communications , Inc. | Lakehead Pipe Line Company, Inc. | ŧ | , | ı | ı | W1-DGL-333 |
| Legal Description: Part of the W/2 of SW/4, Sec. 22, I47M, R12W. | SW/4, Sec. | 22, T47M, R12W. | | | | | | |
| Lorse | 06/12/50 | Palm, Charles | Lakshead | - | 1 | ļ | 1 | WI-DGL-334 |
| | | | | , | | 7 | 519mm 455 | |

| | E., d/b/a Palm Dairy | Pipe Line Company, Inc. | | | | | |
|---|---|---|-----------|----|----------|-----|--------------|
| Legal Description: W/2 of Sec. 35, T49M, R14W. | | | | | | | |
| Untitled (RR 08/04/53 Permit) Ho. 56728 | il Great Morthern Railway Company | Lakebead Pipe Line Company, Inc. | | | , | ŧ | WI-DGL-500 |
| Legal Description: Lots 45 £ 48 between E. 6th and E. 7th Streets. | and E. 7th Streets. | | | | | | |
| Pipe, Permit (RR 03/16/50 Permit) No. 72028 | O Worthern Pacific Railway | Lakehead Pipe Line Company, | . 1 | 1 | ; | ŧ | WI-DGL-501-A |
| Amendment 08/03/50 Amendment 04/20/51 | 0 = | Inc. | 1.1 | 11 | 1 1 | 1 1 | |
| <pre>Legal Description: Lots 182, 184, 186 and 188 on West First Street Douglas County, WI.</pre> | | in Townsite of Superior, | Superior, | | | | |

| Document Title | Date | Grantor | Orantes | | | | File No. | Materosco No. |
|--|---|---|--|-------------------|---|---|----------|---------------|
| Amendment | 11/14/50 | | | 1 | ı | 1 | 1 | |
| Legal Description: From the southeasterly line of 23rd Avenue Eas East First Street to the Mortheasterly line of | erly line of to the Morth | 23rd Avenue Ba easterly line o | L Description: the southeasterly line of 23rd Avenue East: the northeasterly line of First Street to the Mortheasterly line of Lot 10. | terly line of | | | • | |
| Private Road Crossing Permit No. 72261 | 06/22/50 | Morthern Pacific Railway Company | Lakehead Pipe Line Company, Inc. | ŧ | ŧ | ı | 1 | WI-DGL-501-C |
| <pre>Legal Description: 15 ft. strip on Lots 4, 6, 8 and 10 Ogdensburg southwesterly 15 ft. at Lot 3 and the southwest northeasterly 25 feet of Lot 4, Detroit Pier, 1</pre> | ts 4, 6, 8 at t. at Lot 3 : met of Lot 4, | nd 10 Ogdenaburg and the southwei , Detroit Pier, | g Pier, Superior, WI; and the sterly 15 ft. of the Superior, WI. | , WI, and the the | , | | | |
| Pipe, Permit (RR Permit) No. 72029 | 03/16/50 | Northern Pacific Railway | Lakehead Pipe Line Company, Inc. | | • | 1 | ı | WI-DGL-501-D |
| Legal Descriptions Parallel to Villard Avenue, City of Superior, | i Avenue, Cit | ty of Superior, | | | | | | |

WI-DGL-501-K

Lakebead Pips Line Company, Inc.

11/16/50 Morthern Pacific Railway

Pipe, Permit (RR Permit) No. 72975

| Document Title | Bate | Grantor | Greates | Records | Book/Vol. | Page | Pile No. | Reference No. |
|--|------------|--------------------------------------|---|---------|-----------|------|----------|---------------|
| Legal Description: Lot 252 on West First Street, City of Superior, WI. | it Street, | city of Superior, | MI. | | | | , | |
| Agreeme nt | 07/13/50 | Worthern Pacific Railway | Lakehead Pipe Line Company, Inc. | ı | ı | ı | 1 | WI-DGL-501-F |
| <pre>Legal Description; RR's Hill Avenue Yard, City of Superior, WI.</pre> | d, City of | Superior, WI. | | | | | | |
| Untitled (RR Permit) No. 62069 | 04/08/57 | Great Morthern Railway Company | Lakebead Pipe Line Company, | ı | 1 | ı | r. | WI-DGL-502-A |
| Legal Description: Sec. 10, T48M, R14W. | | | | · | | | | |
| Untitled (RR Permit) Mo. 62070 | 04/08/57 | Great Morthern Railway Company | Lakehead Pipe Line Company, Inc. | 1 | á | • | 1 | WI-DGL-502-B |

Legal Description: Sec. 31, T46H, R15W

| Reference No. | #I-DGL-503-A | WI-DGL-503-B | WI-DGL-504-A | WI -DGL-504-B |
|----------------|---|---|--|--------------------------------------|
| File Mo. | | | 1 | í A |
| | ı | 1 | | 1 |
| Scok/Vol. | 1 | 1 | | 1 |
| Records | rior Station a | | 1 | - |
| Grantee | Lakebead Fipe Line Company, Inc. | Lakehead Fipe Line Company, Inc. | Lakehead Fipe Line Company, Inc. | Lakehead Pipe Line Company, |
| Grantor | Great Morthern Railway Company Way of Grantor at | Great Morthern La Railway Pi Company Co In | Great Morthern Railway Company | Great Morthern Railway Company |
| Dete | 05/17/50 e right of | 05/17/50 (State Line | 06/22/67 | 01/04/67 |
| Document Title | Untitled (RR 05/17/50 Great Morthern Lakebead Permit) Mo. 51296 Bailway Pipe Line Company Company, Inc. Legal Description: A crossing across the right of way of Grantor at or near Superior Station at survey station 313 plus 40. | Untitled (RR 05/17/50 Great Morth Permit) No. 51297 Railway Company Lagal Description: Sec. 31, T48M, N15W (State Line between WI | Untitled (NR Permit) No. 74791 Legal Description: Sec. 10, 748M, R14W. | Untitled (RR Permit) No. 74310 |

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| Document Title | Date | Grantor | Grantes | Becords | Book/Wol. | Page | File No. | Reference No. |
|---|-----------------------|--|---|----------|-----------|------|----------|---------------|
| legal Description: Sec. 31, T48M, R15W, near state line. | near stat | • 11ne. | Inc. | | | | | |
| Easement (RR 12/19/60 C Permit) No. 93086 R R R R R R R R R R R R R R R R R R R | 12/19/60 T48M, R13 | Chicago, St. Paul, Minneapolis and Oulaha Railway Company | Lakehead Pipe Line Company, Inc. | 6 | Vol. 267 | 191 | 453678 | WI-DGL-505 |
| Pipe Line Crossing Permit (RR Permit) No. 18052 Legal Description: Sec. 36, T44M, R12W. | 02/13/68 | 800 Line Railroad Company | Lakehead Pipe Line Company, Inc. | | 9 | i | E . | MI-DGL-506-A |
| Pipe Line Crossing Permit (RR Permit) No. 18141 | 05/01/68 | SOO Line Railroad Company | Lakehead Pipe Line Company, Inc. | | ı | 1 | | WI-DGL-506-B |

State of Wisconsin County of Douglas

| | | Grattor | Grantee | Records | Book/Vol. | Page | File Mo. | Reference No. |
|---|-----------------|--|---|---------|-----------|------|----------|---------------|
| Untitled (RR Permit) | 03/01/57 | Duluth, Missabe and Iron Range Railway Co. | Lakehead Pipe Line Company, Inc. | i | | • | | WI-DGL-507-B |
| Legal Pescription: SW/4 of NW/4, Sec. 16, 48K, 14W. | 5, 48K, 14I | • | | | | | | |
| Untitled (RR Permit) | 19/11/50 | Duluth, Missabe and Iron Range Railway Co. | Lakehead Pipe Line Company, Inc. | 1 | ı | ł | ŧ | WI-DGL-507-C |
| Legal Description: SW/4 of MW/4 of Sec. | 16, 148N, R14W. | R14W. | | | | | | |
| Untitled (RR Permit) | 02/05/68 | Duluth, Missabe and Iron Range Railway Co. | Lakehead Pipe Line Company, Inc. | 1 | | 1 | • | WI-DGL-507-D |
| <pre>Legal Pescription: SE/4 of NW/4 and NK/4 of SW/4, both in Sec. 18,</pre> | of SW/4, | | T46M, R13W. | | | | | |
| Pipe Line Crossing Permit (RR Permit) License No. 12105 | 05/01/50 | Minneapolis, St. Paul G Sault Ste. Marie Railroad | Lakehead Pipe Line Company, Inc. | - | 1 | ı | ! | WI-DGL-508-A |

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| Document Title | Date | Grastor | Grantee | Records | Book/Vol. | -55 | File Mo. | Reference Mo. |
|---|-------------|--|--|---------------|-----------|-----|----------|---------------|
| | | Company | Variet e de de de la companya del la companya de la | | | | | |
| Legal Description: Across grantor's right of way in the City of 83 more or less 80. | ght of way | in the City of Su | Superior, Wisconsin, at Station | ain, at Stati | ton | | | |
| Pipe Line Crossing Permit (RR Permit) License No. 12169 | 07/01/50 | Edgar F. Seller, as Trustee of the property of Wisconsin Central Railway | Lakehead Pipe Line Company, Inc. | | t | 1 | 1 | WI-DGL-508-B |
| <u>Legal Description:</u> Sec. 2, 148M, R14W. | | | | | | | | |
| Pipe Line Crossing Permig (RR Permit) License No. 14158 | 04/01/57 | Wisconsin Central Roadroad Company | Lakehead Pipe Line Company, Inc. | ı | ı | 1 | ı | WI-DGL-508-C |
| Legal Description: SW1/4 ME1/4 Sec. 2, | T48K, R14W. | • | | | | | | |
| Pipe Line Crossing Permit (RR Permit) License No. 14159 | 04/01/57 | Minneapolis, St. Paul & Sault Ste. Warie Railroad | Lakehead Pipe Line Company, Inc. | ı | 1 | 1 | | WI-DGL-508-D |

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| Document Title | Date | Orantor | Grantes | Records | Book/Vol. | Page | Pile No. | Reference No. |
|--|-------------|---------------------------------|---|---------|-----------|------|----------|---------------|
| Co Legal Description: SE1/4 NE1/4, Sec. 10, T48N, R14W. |), T48N, R3 | Company 14W. | | | | | • | |
| Pipe Line Crossing Permit (RR Permit) License No. 17838 Legal Description Sec. 2, T468, RidW. | 05/29/67 | Soc Line Railroad Company | Lakehead Pipe Line Company, Inc. | ŧ | ı | • | | WI-DQL-508-K |
| Pipe Line Crossing (AR Permit) License No. 17839 Legal Description: Sec. 10, 748M, RidW. | 05/29/67 | Soo Line Railroad Company | Lakehead Pipe Line Company, Inc. | | ı | 1 | | #I-DGL-508-# |
| Pipe Line Crossing Permit (RR Permit) License No. 18037 Legal Description: Sec. 4, T47N, R13W. | 02/01/68 | Soo Line Railroad Company | Lakehead Pipe Line Company, Inc. | 1 | 3 | 1 | 1 | WI-DGL-509-A |

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| Document Title | Date | Orantor | Grantee | Records | Book/Wol. Page | Page | File No. | Reference No. |
|---|------------|---------------------------------|---|---------|----------------|------|----------|---------------|
| Pipe Line Crossing Permit (RR Permit) License No. 18052 | 02/13/68 | Soc Line Railroad Company | Lakehead Pipe Line Company, Inc. | ı | • | 5 | • | WI-DGL-509-B |
| Legal Description: Sec. 36, T44M, M12W. | | | | | | | | |
| Pipe Line Crossing Permit (RR Permit) License No. 18141 | 05/01/68 | Soo Line Railroad Company | Lakshead Pipe Line Company, Inc. | 1 | ı | 1 | ŧ | D-605-750-IM |
| Legal Description: WE corner of NW1/4 SW1/4, Sec. 31, T448, R1 | #1/4, Sec. | 31, T44H, R11W. | | | | | | |

| 36 | |
|--|---|
| Vol. 76 | |
| Agreements | Springs, |
| | Solon |
| Lakehead Pipe Line Company, Inc. | Bennett, |
| State Highway Commission of Wisconsin | <pre>Legal Description: Towns of Superior, Parkland, Oakland, Hawthorne, Bennett, Solon Springs, Gordon & Wascott, County of Douglas.</pre> |
| State Commit | akland, uglas. |
| 99/4/ | of Do |
| 03/0 | Parkla ounty |
| Application/Permit 03/04/68 Road Crossing Permit No. 3303-8) | Superior, Mascott, C |
| Applicat (Road Cr. Permit M | Legal De Towns of Gordon 6 |
| | |

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Sec. 12 of T48M, R14W

Secs. 7, 16, 20, 29, 33 of T48H, R13W

Secs. 4, 3, 10, 14, 23, 26, 25, 36 of T47N, R13W

| Document Title | itle | Date | Orantor | Grantee | Records | Book/Vol. Page | Page | File Mo. | Reference No. |
|--|-----------------------------|---------------------------------------|---|---|--------------------|----------------|------|----------|---------------|
| Sec. 1 of T46M, R13W | T46K, R13K | | | | | | | | |
| Secs. 19, | 20, 29, 32 | Secs. 19, 20, 29, 32 of T46M, R12M | RIZM | | | | | • | |
| Secs. 15, | 27, 26, 35 | Secs. 15, 27, 26, 35 of T45W, R12W | R12W | | | | | | |
| Secs. 12, | 13, 24, 25 | Secs. 12, 13, 24, 25 of 744H, R12H | RIZW | | | | | | |
| Secs. 30, 31 of T44N, RIIN | 31 of T44X | I, R11W | | | | | | | |
| Secs. 6, 1 | 7, 20, 28, | Secs. 6, 17, 20, 28, 34 of T43M, M11W | H, MIIW | | | | | | |
| Town Roads 24 | 24 | | | | | | | | |
| C.T.H. 8, | C, K, V, B | C.T.H. S, C, K, V, B, L, A, H, Y, G | ¥, G | | | | | | |
| S.T.H. Number U.S. 53 | ber U.S. 5 | Ŋ | | | | | | | |
| | | | | | | | | | |
| Application/Permit (Road Crossing Permit No. 5439-B) | n/Permit sing 5439-8) | 09/04/68 | Wisconsin Dept. of Transportation | Lakehead Pipe Line Company, Inc. | Agreements Vol. 77 | Vol. 77 | 90 | 489919 | WI-DGL-510-8 |

Ideal Description:
Town of Oakland, Sec. 10, T47K, R13W, County Road U.

Pipeline Permit 11/22/67 County Board Lakehead (Road Crossing of Supervisors Pipe Line Permit) County Inc.

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Agreements Vol. 75

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| Document Title | Date | Grantor | Grantee | Records | Book | Book/Yol. | Page | File No. | Leference No. |
|--|-------------|--|---|--------------------|---------|-----------|------|----------|---------------|
| Legal Description: All county highways in the County of Douglas. | in the Cou | anty of Douglas. | | | | | | | |
| Pipeline Permit (Road Crossing Permit) | 12/13/67 | Toen of Superior | Lakehead Pipe Line Company, Inc. | Agreements Vol. 75 | Vol. | 75 | 607 | 486133 | WI-DGL-510-D |
| <pre>Legal Description; All town roads, streets and alleys in the Town</pre> | mets and al | leys in the Town | n of Superior. | | | · | | | |
| Pipeline Permit (Road Crossing Permit) | 12/12/67 | Town of Parkland | Lakebead Pipe Line Company, Inc. | Agreements | Vol. 75 | 75 | 629 | 486217 | WI-DGL-510-E |
| <pre>Legal Description: All town roads, streets and alleys in the Town</pre> | eets and al | leys in the Town | of Parkland. | | | | | | |
| Pipeline Permit (Road Crossing Permit) | 12/06/67 | Town of Oakland | Lakehead Pipe Line Company, Inc. | Agreements | Vol. 75 | 75 | 630 | 486218 | WI-DGL-510-F |
| Legal Description: | 44 | <pre>Legal Description: bl tom roads streets and allege in the floor</pre> | , v | | | | | | |

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| Document Title | Title | Date | Grantor | Orantee | Records | Book/Vol. | Page | File Mo. | Reference No. |
|---|---|----------------------|---|---|--------------------|-----------|------|----------|---------------|
| Legal Des All town | <u>legal Description:</u> All town roads, stre | ets and all | Legal Description: All town roads, streets and alleys in the Town of Wascott. | f Wasoutt. | | | | , | |
| Pipeline Permit (Road Crossing Permit) [agal Description All town record | Pipeline Permit (Road Crossing Permit) [AGA] Description: All town records, st. | 01/08/68 reets and s | tine Permit 01/08/68 Town of decreasing markhorne mut.) Markhorne mit.) Markhorne mit.) Markhorne mit.) Markhorne mit.) | Lakehead Pipe Line Company, Inc. Town of Hawthorns. | Agreements Vol. 75 | Vol. 75 | 631 | 486224 | WI-DGL-510-K |
| Pipeline Permit (Road Crossing Permit) Legal Description | Permit Mesing Moriphioni Foads, stre | 06/23/53 | Pipeline Permit 06/23/53 Town of Lakehead (Road Crossing Lakeside Pipe Line Permit) Permit) Inc. Legal Description: All town roads, streets and alleys in the Town of Lakeside. | Lakehead Pipe Line Company, Inc. | | j | 1 | | WI-DGL-511 |
| Pipeline Permit (Road Crossing Permit) | Permit seling cription | 06/25/53 | Pipeline Permit 06/25/53 Town of Maple Lakehem (Road Crossing Pipe Li Permit) Company Inc. | Lakehead Pipe Line Company, Inc. | ı | 1 | ı | 1 | WI-DGL-512 |

| Excessing Permit) Stopship Farmit) Stopship Figs Line Company, Inc. State Market Service State Service State Service State Service Servic | Document Title | Pate | Orastor | Orantos | Records | Book/Vol. | | Page | Pile 30. | Reference No. |
|--|---|--|---|---|----------------------------------|------------|----|------|----------|---------------|
| of Ogdensburg Pier Dock located on the Bay Front between 124th Avenue East. 06/22/53 Town of Brule Lakehead - Company, Inc. 03/06/53 County Board Lakehead - Company, Inc. in the County of Douglas Inc. In the County of Douglas. 106/22/63 Town of Brule Lakehead - Company, Inc. 106/22/63 Town of Pipe Line - Lakehead - Parkland Parkland Pipe Line | Resement (Road Crossing Permi | | | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 2 | 20 | 240 | 403174 | WI-DGL-512-8 |
| 06/22/53 Town of Brule Lakehead Pipe Line Company, Inc. 03/06/53 County Board Lakehead of Supervisors Company, Inc. in the County of Douglas. 106/22/63 Town of Pipe Line County of Douglas. 106/22/63 Town of Parkland Pipe Line | Legal Description of a public right of 23rd Avenue Ea | <u>iloni</u> Sec. 36, T49, Ri of way of Ogdens Let and 24th Ave | 4M, thence in a noburg Pier Dock loc nue East. | | rection within y Front betwee | . . | | | | |
| of Brule. Lakehead Pipe Line Company, Inc. Lakehead Pipe Line | Pipeline Permi (Noad Crossing Permit) | | | Lakehead Pips Line Company, Inc. | 1 | , | | 1 | ŧ | WI-DGL-513 |
| -03/06/53 County Board Lakehead of Supervisors Pipe Line of Douglas Company, Inc. in the County of Douglas. 106/22/63 Town of Lakehead Parkland Pipe Line | Legal Descript Nil town roads | ion: 1, streets and a | lleys in the Town | of Brule. | | | | | | |
| in the County of Douglas. 06/22/63 Town of Lakehead - Pipe Line | Pipeline Permi (Road Crossing Permit) | | | Lakebead Pipe Line Company, Inc. | 1 | , | | , | , | NI-DGL-514 |
| 06/22/63 Town of Lakehead - Parkland Pipe Line | Legal Descript N11 county hig | <u>iion:</u> jhways in the Co | unty of Douglas. | | | | | | | |
| | Apeline Permi | ı | 1 | Lakeheed Pipe Line | - | į. | | | f | WI-DGL-515 |

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|---|--------------|--|---|------------|-----------|------|----------|---------------|
| Permit. | | | Company, Inc. | | | | | 9 |
| Legal Descriptions All town roads, streets and alleys in the | reets and al | | Town of Parkland. | | | | | |
| Right-of-Way Grant | 01/23/50 | County Board of Supervisors of Douglas County | Lakebead Pipe Line Company, Inc. | ı | 1 | ı | | WI-DGL-516 |
| Legal Description: Underneath the Military Road in Sec. 26, 74 | ltery Road 1 | | 18H, R15W. | | | | | |
| Application/Permit (Road Crossing Permit Mo. 1004-B) | 06/21/67 | State Highway Commission of Wisconsin | Lakehead Pipe Line Company, Inc. | ı | ı | ŧ | 1 | WI-DGL-517-A |
| Legal Description: NW/4 of SE/4, Sec. Highway No. 35. | | 10, T48H, R14W (Tower Ave. and 70th St.) State Trunk | and 70th St.) Si | tate Trunk | | | | |
| Application/Permit (Road Crossing Permit No. 1538-5) | 08/08/67 | State Highway Commission of Wisconsin | Lakehead Pipe Line Company, Inc. | ı | | ı | | WI-DGL-517-B |

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Legal Description: NE/4 of SW/4 of Sec. 26, T48M, R15W.

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| 8 |
| Vol. 220 |
| Deeds |
| Lakehead Pipe Line Company, Inc. |
| Douglas County |
| 12/05/49 |
| ie sement |

WI-DGL-518

Legal Description: Southwest Quarter (SW1/4) of the Mortheast Quarter (WE1/4) of Sec. 2, City of Superior, T48M, 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), Mineteen (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 Bix (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), Pour (4), Five (5), Six (6), Seven (7), Eight (8), Mine (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-three (23)

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and Twenty-four (24) in Block numbered Fourty-four (44).

Lots numbered One (1), Two (2), Three (3), Sixteen (16), Seventeen (17), Eighteen (18), Mineteen (19), Twenty (20), Twenty-one (21), Twenty-two (22), Twenty-three (23), Twenty-four (24), Twenty-five (25), Twenty-seven (27), Twenty-eight (28), Twenty-nine (29) and Thirty (30) in Block numbered Forty-three (43).

Lote numbered One (1), Two (2), Three (3), Four (4), Five (5), Six (6), Seven (7), Fifteen (15), Sixteen (16), Seventeen (17), Righteen (18), Nineteen (19), and Twenty (20) in Block Humbered 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-

Lots numbered Thirteen (13), Fourteen (14), Fifteen (15), Sixteen (16), Seventeen (17), Eighteen (18), Mineteen (19), Twenty (20), Twenty-one (21), Twenty-two (22), Twenty-seven (27) and Twenty-eight (28) in Block numbered Twenty-eix (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. Lote 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-eight (28), Twenty-nine (29), Thirty (30), Thirty-one (31) and Thirty-

į Document Title two (32) in Block numbered Two (2).

plat, Village of Superior.

Greator

Lots numbered Sixteen (16), Seventeen (17), Eighteen (18), Minsteen (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,

Willage of Superior.

Lots numbered Ten (10), Rleven (11), Twelve (12), and Thirteen (13) in Block numbered Thirty-eight (38).

Lots numbered One (1), Two (2), Three (3), Four (4), Five (5) and Bix (6) in Block numbered Fourty-three (43).

Lots numbered One (1), Two (2), Three (3), Four (4), Five (5), Fifteen (15), Sixteen (16), Seventeen (17), Eighteen (18), Mineteen (19), Twenty (20), Twenty-one (21), Twenty-two (22), Twenty-three (23), and Twenty-four (24) in Block Thirty-nine (39).

Lots numbered One (1), Two (2), Three (3), Four (4), Five (5), Six (6), Fourteen (14), Fifteen (15), Sixteen (16), Seventeen (17), Eighteen (18), Mineteen (19), Twenty Cone (21), Twenty-two (22), Twenty-three (23), Twenty-four (24), Twenty-five (25) and Twenty-eix in Block numbered Six

All in World's Fair Division to South Superior, according to the recorded

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Lots numbered One (1), Two (2), Three (3), Four (4), Five (5), and Bix (6) in

Block numbered One (1)

Village of Superior

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,

Lots numbered Ten (10), Eleven (11), Twelve (12), Thirteen (13), Fourteen (14), Fifteen (15) and Sixteen (16) in Block numbered Twenty-eix (26).

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Reference No.

Lots numbered One (1), Two (2), Four (4), Five (5), Six (6), Seven (7) (except Railroad Right of May in Lots numbered One (1) through Seven (7), Eight (8), Mine (9), Ten (10), Eleven (11) and Twelve (12) in Block numbered

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), Right (8), Mine (9), Ten (10), Thirteen (13), Fourteen (14), Fifteen (15), Sixteen (16), Seventeen (17), Kighteen (18), Mineteen (19), Twenty (20), Twenty-one (21) and Twenty-two (22) in Block numbered Mine (9).

Lots numbered One (1), Two (2), Three (3), Four (4), (except Railroad Right of Way in Lots (1) through Four (4)), Righteen (18), Kinsteen (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), Mins (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), Mineteen (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), Mineteen (19) and Twenty in Block numbered Two (2). Lots numbered One (1), Two (2), Three (3) and Four (4) in Block numbered Four

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Morth One-half (N1/2) of the Southwest Quarter (SN1/4) of the Southwest Quarter (SN1/4) and the Southwest Quarter (SN1/4) of the Southwest Quarter (SN1/4) of the Southwest Quarter (SN1/4) of Section Ten (10) Township Fortysight (48) North Range Fourteen (14) West, City of Superior.

All in Pokegame Park Addition to South Superior, according to the recorded

plat, Village of Superior.

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South One-half (S1/2) of the Southeast Quarter (SE1/4) of the Southeast Quarter (SE1/4) and the Morthwest Quarter (MM1/4) of the Southeast Quarter (SE1/4) of the Southeast Quarter (SE1/4) of Section Mine (9) Township Forty-eight (48) Morth Range Fourteen (14) West, City of Superior.

North One-half (M1/2) of the Mortheast Quarter (ME1/4) and the Bouthwest Quarter (ME1/4) and the Bast One-Half (M1/2) of the Morthwest Quarter (ME1/4) less the Interstate Transfer Reliroad Right of the Morthwest Quarter (ME1/4) of the Morthwest Quarter (ME1/4) of the Southwest Quarter (ME1/4) of Section Sixteen (16) Township Forty-eight (48) Morth Range Fourteen (14) West, City of Superior.

Morth One-half (M1/2) of the Southeast Quarter (SE1/4) and the Southwest Quarter (SM1/4) of the Southeast Quarter (SE1/4) and the South One-Half S1/2) of the Southwest Quarter (SM1/4) of Section Seventeen (17) Township Forty-eight (48) Morth Range Fourteen (14) West, City of Superior.

North One-half (M1/2) of the Morthwest Quarter (MM1/4) of Section Twenty (20), Township Forty-eight (48) North Range Fourteen (14) West, City of Superior.

Quarter (NN1/4) of the Mortheast Quarter (NE1/4) and the Southeast Quarter (SE1/4) of the Northwest Quarter (NN1/4) and the North One-half (N1/2) of the Southwest Quarter (SN1/4) of the Southwest Quarter (SN1/4) of the Southwest Quarter (SN1/4) of Section Nineteen (19) Township Forty-sight (48) North Range East One-Half (E1/2) of the Northeast Quarter (ME1/4) and the Northwest Fourteen (14) West, City of Superior.

East One-half (E1/2) of the Southeast Quarter (SE1/4) and the Southwest Quarter (SE1/4) of the Southeast Quarter (SE1/4) of Section Twenty-Four (24) Township Forty-eight (48) North Range Fifteen (15) Nest, Unnamed.

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forthwest Quarter (NW1/4) of the Mortheast Quarter (NE1/4) and the West Onehalf (W1/2) of the Morthwest Quarter (WW1/4) of Section Twenty-five (25) Township Forty-eight (48) Morth Range Fifteen (15) West, Unnamed.

South One-half (\$1/2) of the Mortheast Quarter (ME1/4) and the Morth One-Half (K1/2) of the Southeast Quarter (\$81/4) and the Morth One-half (#1/2) of the Southwest Quarter (\$M1/4) and the Bouthwest Quarter (\$M1/4) of the Southwest Quarter (\$M1/4) of Section Twenty-six (26) Township Forty-sight (48) Morth 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 (SE1/4) of Section Twenty-seven (27), Township Forty-eight (48) Morth Range Fifteen (15) West, Unnamed. Rast One-half (E1/2) of the East One-half (E1/2) of the Mortheast Quarter (NE1/4) of the Mortheast Quarter (NE1/4) and the West One-half (N1/2) of the East One-half (E1/2) of the Mortheast Quarter (NM1/4) of the Mortheast Quarter (NE1/4) and the West One-half (N1/2) of the Mortheast Quarter (NM1/4) of the Mortheast Quarter (NE1/4) and the West One-half (N1/2) of the Southwest Quarter (NE1/4) and the East One-half (N1/2) of the Mortheast Quarter (NE1/4) and the East One-half (E1/2) of the Southwest Quarter (SNI/4) of the Mortheast Quarter (NE1/4) of the Mortheast Quarter (NE1/4) of the Mortheast Range Fifteen (15) West, Unnamed.

Southeast Quarter (SE1/4) of the Mortheast Quarter (ME1/4) and the Morth One-half (N1/2) of the Southwest Quarter (SN1/4) of the Mortheast Quarter (NE1/4) and the Southwest Quarter (SN1/4) of the Mortheast Quarter (SN1/4) of the Mortheast Quarter (NE1/4) and the Morth One-half (N1/2) of the Southwest Quarter (SE1/4) and the Morth One-half (N1/2) of the Southwest Quarter (SN1/4) 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 Iwenty-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). L 519mm 477

| Reference No. | | WI-DGL-519-A | | WI-DGL-519-8 | WI-DGL-519-C |
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| Records | According t | ı | | ŧ | , , , , , , , , , , , , , , , , , , , |
| Grastee | city of Superior, according to | Lakehead Pipe Line Company, Inc. | of Superior. | Lakehead Fipe Line Company, Inc. | Lakehead Pipe Line Company, Inc. |
| Grantor | All in Syndicate Addition to South Superior, Cl. recorded plat. | Town of Superior | All town roads, streets and alleys in the Town of Superior. | Resolution (Road 04/08/50 Town Board of Crossings Permit) the Town of Superior Ingel Description: Town roads situated within the Town of Superior | 03/01/57 Village of Superior Superior streets and alleys in the Vil |
| Dete | dition to & | 03/07/57 | cets and al | 04/08/50 within the | 03/01/57 |
| Title | yndicate Ad plat. | Permit cesings | roads, str | Resolution (Road Crossings Permit) Legal Descriptions Town roads situated | ge |
| Document fitle | All in Syndicar recorded plat. | Pipeline Permit (Road Crossings Permit) | All town | Resoluti Crossing Legal Re Town rose | Pipeline Permit (Road Crossings Permit) [agal Description All village road |

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| Document Title | Date | Grantor | Orastee | Records | Book/Vol. | Page | Pile No. | Reference No. |
|---|-------------|---|---|--------------|-----------|------|----------|---------------|
| Pipe Line Permit (Road Crossing Permit) | 06/22/53 | Town of Brule | Lakehead Pipe Line Company, Inc. | ı | ı | ı | | WI-DGL-519-D |
| <u>legal Description:</u> All town roads, streets and alleys in the Town of Brule. | mets and al | leys in the form | of Brule. | | | | | |
| Order (Road Crossing Permit Mo. 2931-B) | 03/15/57 | State Highway Commission of Wisconsin | Lakehead Fipe Line Company, Inc. | ı | ŧ | t | | NI-DGL-520-A |
| <u>Legal Description:</u> State Trunk Highway Mo. 35 in Sec. 10, T48M, R14W. | No. 35 in | Sec. 10, T48K, R1 | 44. | | | | | |
| Approval (Road Crossing Permit No. 1956-B) | 03/21/50 | State Highway Commission of Wisconsin | Lakehead Pipe Line Company, Inc. | 1 | 1 | ı | ı | WI-DGL-520-B |
| Legal Description: State Trunk Highway No. 35 at approximately Sec. 10, T48M, R14W. | No. 35 at | | 70th Street, City of Superior, in | of Superior, | ļn. | | | |

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Agreements Vol. 75

Lakehead Pipe Line Company,

11/24/67 City of Superior

Pipeline Permit (Road Crossing Permit)

| Document Title | rithe | Date | Grantor | Orzates | Records | Book/Wel. | Page | File No. | Reference No. |
|--|--|--|--|---|-----------------------------|-----------|------|----------|---------------|
| <u>Legal Des</u> City high | oziptioni mys, stre | ets and allo | Inc. Legal Description: City highways, streets and alleys in the City of Superior. | Inc. Superior. | | | | | |
| Pipeline Permit (Noad Crossing Permit) | Permit | 07/01/53 | city of Superior | Lakehead Pipe Line Company, Inc. | ľ | • | | 1 | WI-DGL-522-A |
| Legal Desi City high | tription. Ays, stre | rts and all | Legal Description: City highways, streets and alleys in the City of Superior. | Superior. | | | | | |
| Essenant Crossing a Dredging 2 | (Road and Permit) | 02/28/50 | City of Superior | Lakebead Pipe Line Company, Inc. | Deeds | Vol. 220 | 241 | 403175 | WI-DGL-522-C |
| Lacal Description: Essement to despan Thompson Avenue, a vater and adjacent | zription: co despen, lvenue, ali adjacent 1 | Legal Description: Essement to despen, dradge and excavat Thompson Avenue, also known as 23rd Av water and adjacent to Ogdensburg Pier. | Legal Description: Essement 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. | , under, along a | and across tue runs unde | ¥ | | | |
| Rassment (Road Crossings Perm | Road Permit | 12/14/49 | City of Superior | Lakehead Pipe Line Company, Inc. | Deeds | Vol. 220 | 35 | 399594 | WI-DQL-523 |

| Along and across any and all streets, avenues, public thoroughfares that it may encounter or any point on the vestern or southern boundary City of Superior to its ultimate destination and pipe line site immediately to the north arcourse in Section No. 36 in the City of Superior | e western or Ed or to its ultima its immediately on No. 36 in th | | otherwise meet or traverse from of the corporate limits of the ind site known as the tank farm id east of the Municipal golf lor, Wisconsin. | r traverse fr limits of th the tank far nicipal golf | Tipe H | | • | |
|---|---|---|--|---|--------|---|---|--------------|
| Pipeline Permit (Road Crossing Permit) [egal Description of the property of th | O7/01/53 | Pipeline Permit 07/01/53 City of (Noad Crossing Buperior Bermit) Permit) Legal Description: City highways, streets and alleys in the City of | Lakehead Fipe Line Company, Inc. | • | 1 | ı | ŧ | NI-DGL-524-A |
| Pipe Line Permit (Road Grossing Permit) | t 03/20/57 | city of Superior | Lakehead Pipe Line Company, Inc. | | ı | 1 | 9 | WI-DGL-524-B |
| <u>legal Description.</u> City highways, str | on: streets and all | <pre>legal Description: City highways, streets and alleys in the City of</pre> | of Superior. | | | | | |
| Pipeline Permit (Road Croseings | 06/23/53 | Town of Lakeside | Lakehead Pipe Line | | ı | 1 | • | WI-DGL-525-A |

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| Reference No. | | WI-DGE-525-B | | WI-DGL-525-C | | WI-DGL-526 |
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| Grantes | of Lekssids. | Lakehead Fipe Line Company, Inc. | of Kaple. | Lakebead Fipe Line Company, Inc. | of Parkland. | Lakehead Pipe Line Company, Inc. |
| Grantor | leys in the Town | Town of Maple | lays in the Town | Town of Parkland | leys in the foun | State Highway Commission of Wisconsin |
| Pate | reets and al | 06/25/53 | : creets and al | 06/22/53 | reets and al | 07/01/53 |
| Document Title | Legal Description: All town roads, streets and alleys in the Town of Lakesids. | Pipeline Permit (Road Crossings Permit) | iegal Description: All town roads, streets and allays in the Town of Maple. | Pipeline Permit (Road Crossings Permit) | <pre>Legal Description: All town roads, streets and alleys in the fown of Parkland.</pre> | Order (Road Crossing Permit No. 271-8) |

Legal Description: Town of Lakeside, State Trunk Highway No. 13 between Sections 11 and 14, T48N, R12N and State Trunk Highway No. 2 and 53 in the 8E/4 of Sec. 4, T48N, R13W in the City of Superior.

| Reference No. | WI-DGL-529 |
|----------------|--|
| File 80. | |
| P89* | 1 |
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| Records | 1 |
| Grastee | Lakehead Fips Line Company, Inc. |
| Graator | 10/14/85 Chicago and Lak Morth Western Pip Transportation Com Company Inc |
| Date | 10/14/05 |
| Document Title | Untitled (RR Permit) No. 90088 |
| | |

Legal Description: Sec.9, T398, R98 - 133 -

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:

See Following Page For Description

Parcel Indentification Numbers:

01-801-03653-00, Part of 3661-00, 3667-00, 3668-00 01-801-04858-00, 4859-00 thru 4863-00

DOCUMENT # 738709

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)

Return to: Douglas County Clerk

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.

STATE OF WISCONSIN

County of Douglas

Susan T. Sandvick, County Clerk Douglas County, State of Wisconsin

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

> MNE HO NOTARL OBLIC E OF WISCONS

)ss

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

WARRANTY DEED FORM 855

THIS SPACE RESERVED FOR RECORDING DATA

DOCUMENT # 776396

| · · · · · · · · · · · · · · · · · · · | 1 |
|--|--|
| THIS INDENTURE, Made this day of September | A Th. 2002 |
| between | |
| Lakehead Pipe Line Company, Limited Partnership. | 000 40 0004 |
| Laxeneau-fipe-Line-Company,-Limited-Parthership; | MATIN F HANGEN |
| a Children and by virtue of and existing under and by virtue of | |
| State of Wisconsin located at 119 North 25th Street East. | Superior WI 54880 SUPERIOR, WI 54886-2769 |
| Wisconsin, Party of the first part, and Rainy River Energy Co. | rporation Fee Amount: \$19.00 |
| | |
| Wisconsin | ALL OD |
| a Corporation duly organized and existing under and by virtue of State of Wisconsin, located at30MSuperiorStraat,Duluth of the second part. Witnesseth, That the said party of the first part, for and in cosum ofTen (\$10) Dollars and other good and xaluable.come to it paid by the said party of the second part, the receipt whereof bargained, sold, remised, released, aliened, conveyed and confirm remise, release, alien, convey and confirm unto the said party of lowing described real estate situated in the County of | is hereby confessed and acknowledged, has given, granted, ned, and by these presents does give, grant, bargain, sell, the second part, its successors and assigns forever, the folouglas |
| thereon; and easements, rights and other privileges benefiting the real hereby reserves and retains a sixty-foot (60') wide pipeline right-of-w the above described real property in the form set forth in Exhibit A, w Rainy River Energy Corporation – Wisconsin; | vay and easement for its pipeline facilities on, over and upon |
| Subject to easements and reservations of record. | |
| Tax Parcel No. 01-801-03667-01 | |
| To Have and to Hold the said premises as above described party of the second part, and to its successors and assigns FOR And the saidEnbridge.Energy.Limited.Partnershipparty of the first part, for itself and its successors, does covenant second part, its successors and assigns, that at the time of the enthe premises above described, as of a good, sure, perfect, absolusinple, and that the same are free and clear from all incumbra | EVER. grant, bargain and agree to and with the said party of the sealing and delivery of these presents it is well seized of ute and indefeasible estate of inheritance in the law, in fee |
| and that the above bargained premises in the quiet and peace | |
| successors and assigns, against all and every person or persons forever WARRANT and DEFEND. | invitary chaining the whole of any part thereof, it will |
| In Witness Whereof, the said | rgy. Limited Partnership |
| party of the first part, has caused these presents to be signed | |
| President, and countersigned by | ASST its Secretary at SUPFRIOR |
| Wisconsin, and its corporate seal to be hereunto affixed, this | 9TH day of SEPTEMBER AD |
| 2003 | ENBRIDGE ENERGY, LIMITED PARTNERSHIP |
| SIGNED AND SEALED IN PRESENCE OF | ENBRYDGE PIPELINES (LAKENEAD) L.L.C. |
| SIGNAL AND SEALED IN PRESENCE OF | As General Parties Corporate Name |
| (abustant) Allan | 1 al / // / Del |
| filling sall from A fill strain | The same and the s |
| | JOEL W. KANVIK ASST. SECRETARY |
| Espitado de Banda | COUNTERSIGNED: |
| | Secretary |
| State of Wisconsin, | |
| Doublas County. OTH | • |
| Personally came before me, this | SEPTEMBER , A. D., 2003 |
| President, and | JOEL W. KANUIK ASET. Secretary |
| of the above named Corporation, to me known to be the pers- known to be such President and Secretary of said Corporation, a ment as such officers as the deed of said Corporation, by its_a | ons who executed the foregoing instrument, and to me and acknowledged that they executed the foregoing instru- |
| Janice M. Larson | Janice M. Karson |
| | |
| THIS INSTRUMENT WAS DRAFTED BY NOTARY PUBLIC DOUGLAS B. Aller Stateoff Wisconsin No | |
| | stary Public 101/1000 Courts Win |
| 119 M. 25th Street East | commission (expires) (is) 5 //4/06 |

(Section 19.31 (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 39.313 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.)

Wisconstu Legal Blank Company

TY DEED Corporation to Corporation

FORM No. 563

Wisconstu Legal Blank Company

RESERVATION OF PIPELINE RIGHT-OF-WAY AND EASEMENT

Tract W1-554-A

Pursuant to a certain Indenture dated the QTH 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.

09/09/04

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 101 day of September 2004.

Rainy River Energy Corporation - Wisconsin

Enbridge Energy, Limited Partnership By Enbridge Pipelines (Lakehead) L.L.C., As General Partner

Name: Douglas B. Aller

Title: Senior Land & Right-of-Way Specialist

ACKNOWLEDGMENT

| STATE OF MINNESOTA | 4 } | | |
|---|---|---|--------------|
| COUNTY OF ST. LOUI | } ss 5 } | | |
| I, T.J. Kozlow: HEREBY CERTIFY that, _ | ski , a Notary Public in James K, Vizanko | and for said County in the State a | foresaid, DO |
| same person(s) whose nat person and acknowledged voluntary act for the uses a | me(s) are subscribed to the foregoin that they/he/she signed and delivered and purposes therein set forth. | personally known to mage instrument appeared before mage disaid instrument as their/his/her | ne to be the |
| Given under my name and | notarial seal this <u>1046</u> day o | of <u>September</u> | 2004. |
| My Commission Expires: | | Notary Public 3 | <u> </u> |
| | | T.J. KOZLOWSKI NOTARY PUBLIC - MINNESOTI My Commission Expires Jan. 31, 2 | '' 34 |
| | ACKNOWLEDGMEN | NT | |
| STATE OF WISCONSIN | } | | |
| COUNTY OF DOUGLAS | } ss } | | |
| Senior Land & Right-of-w | ras acknowledged before me this 10 TH ay Specialist of Enbridge Pipelines artnership, a Delaware limited partner | (Lakehead) IIC the genera | l norther of |
| My Commission Expires: | | Notary Public | aism |
| | | | |

Janice M. Larson Notary Public State of Wisconsin

ATTACHMENT A Page 1 of 1

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.

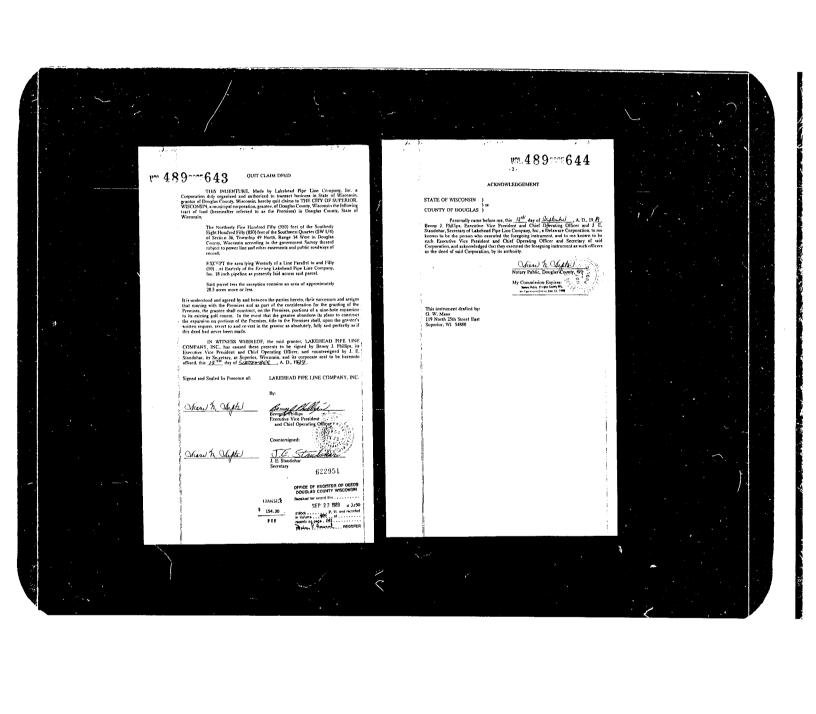
(For clarification, it is intended that this 60 foot wide strip runs adjacent to and parallel with West (East) Eighteenth Street along the entire length of the above-described property).

This Reservation of Pipeline Right-of-Way and Easement was prepared under the direction of Douglas B. Aller, Enbridge Pipelines (Lakehead) L.L.C., 119 North 25th Street East, Superior, Wisconsin 54880.

notary (Tublic, Ook County, Selinois. notompublic Cook Country my Commission repries april 11,1911. State of nimesota, Country Konsey corally came before me this 15th day of april 1907 the above named 6. 6. Hoodman Secretary of the Chicago, It level, Minnea polia + amala Kailaway Company, to me known to be the porson who securities the foregoing instrument and acknowledged the some for and in behalf of said corporation helson J. Willawa my Commission expired September 29th, 1911, Douglas County Filed for record april 30ta, D. 1907, at 120' Clock, 4.a. 96/604 Superior City of) Quit Claim Deed. Helg Johnson, Register. The Country of Douglas, in the State of Wisconsin, grantor hereby quit claims to the city of Superior, a municipal corporation, quantos. of Douglas County, in the State of Wisconon, for the sum of one dollar and other valuable Considerations the following tracts of land in sald Country of Douglas, to wit: Part of North West quarter (NW/4) in Section Que (1), Journship Forty eight (48) North of Range Tourteen (14) West described as follows: Beginning at a point on the East and West Center line of said location. which point is 330 feet West of the Centerline thereof, thence West on said Rostand West Center line to Westline of said Section One (1), thence north and following the West line of Section One (D) to the northwest Corner thereof; Ithere East and following the north line of Section One W 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 Sections 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 (NWZ) of Section One (1), Township Gorty eight (48) North of (Kange Fourteen (14) West described as follows: Beginning at the tenter of section One W, thence West on the Rast and West quarter line 330 feet, thence north 930 feet, thence Roal 330 feet, thence south 930 feet to the place of beginning. Part of bot seven (1) in Section ane (1) Township Jority eight (48) North of hange Touten (14) West, that is described as follows: Beginning at the center of Section One (1), thence north 93 of thence East 338 feet, thence South 430 feet, thence East 550 feet, theme South to the westerly bank of the Nemadyi siver, thence South westerly and following said Westerly bank of the Nemadji river to the that and West center line of said Section One O, thence West and following the said East and West Center line to the place of by Part of fot Seven (Vin Section One W Townships Forty sept shop Rouge Fourteen (4) West described as follows: to a point on the West him was for

· Point is 930 feel north of the South West Corner thereof, thence north a following the West line of said Got seven (I) to the northwest corner thereof, there East and following the north line of said bot Seven (7) To the northeast comer thereof, there south and following the East line of said Sot Seven (7) to the nemadji river, thence South West arly along said hemadji river to a point 880 feet Rost of the north and South lenter 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 50 feet, thence north +30 feet, thence West 330 feet to the place of regimning. The north West quarter of the north East quarter (nw/4 of nE /4) and Sote one (1), From (2), Three (3), Eight (8) and nine (9), all in Section One (1) Lownship Forty eight (46) North of Rounge Fourteen (4) West. The Kast half of the north East quarter CE's of NE 14) of Section 200 (2) Township Forty eight (45) North of Range Fourteen (14) West. The undivided one half (und. 1/2) of the north West quarter (nW/4) of Section Four (4) Township Forty eight (48) North of Rough Forteen (14) West. The north half of the north West quarter of the northwest quanter (n/2 nw/4 nw/4) of Section Twenty Six (26) Township Forty nine (49) north of Range Fourteen (4) West. The South half (Sh) of Section Thirty six (36), Lownship Forty nine (49) north of Range Fourteen (14) West, saving and except therefrom the piece or parcel of land allotted by meter and bounds to y. W. martin, and also excepting a stripe of land 200 feet wide through M.W 4 of SW4 lying Southeasterly and adjacent to present northern Pacific Railway Companie Right of way and quitclaimed by Douglas Country to northwester Improvement company on the 12th day of april 198%. The northwest quarter of the northeast quarter (n W1, of nely of Section Jour (4) Township Fortyeight (48) North of Rough Shintee (03) West excepting Right of Way. The South Gentloance of the north Westquarter of the South West quarter (NW 4 SW4) Section Six (6) Township Forty eight (48) north of Clange Thirteen (B) West. The South West quarter of the South West quarter (SW/4 SW:14) Section Six (6) Township Forty eight (48) north of Rounge Thinten Date one Hundred Eighty Seven (197), One Foir (194) and One Hundred ninery five (195). Doto Four Hundred Huntry Three (488), Four hundred Thirty five (435) Four hundred Thirty soven (437) on west Second (2000) Street in the sie of Seperior all in the City of Superior. of townselution adopted by the This Deed is issued accord

Board of Supervisors in and for Dongles Country Wiscomin in



Deed Record, Vol. 220, Douglas County, Wisconsin

State of Wisconsin County of Douglas _) 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 feregoing-instrument and acknowledged the same. George D.Flynn George D.Flynn George D.Flynn 🕅 Notary Public-Seal Notary Public, Douglas County, Wisc. Douglas County My Commission expires: October 22,1950. Quitclaim Deed 39976€ Filed for record January, 13, 1950 at 3.00 o'clock P.M. City of Superior Vern Wright, Register of Deeds. Interstate Oil Pipe Line Company THIS IN MANUFURE, 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 suthorized 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: South 2----24 East 2 Block 26 all on West Twenty-third Street All of--subject to the easement granted the Northern Pacific Railroad Co. for a right of way for its railroad on Newton Ave. subject to the easement granted the Northern Pacific Railread Co.for a right of way for its railroad on Newton Ave. All of -----Block--18

Deed Record, Vol. 220, Douglas County, Wisconsin

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, 52,54,58,58,60,62 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 asfollows:

Beginning at an iron stake on the 4 Section line between the Southeast 🖟 and Southwest 4 of Section 36-49-14 and at a distance 110.97 ft. North of the 1 stake of the South line or boundary of Section 36; thence running Ely. at a right angle with said _ 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 & Section Line between the Southeast A and Southwest A of said Section 36, thence running Sly on said & section line 565.08 ft. to beginning. except road, in Section 36, Township 49, Range 14.

Gov't lots 1 & S2 Sec. 36-49-14 saving and excepting therefrom 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 NW4 SW4 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 SW4 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 SW4.

IN WITNESS WHEREOF, THE said grantor has hereunto set its hand and seal this 13 day of January, 1950.

Appendix B

Boring Logs/Monitoring Well Forms/Development Forms (Wells installed in 2015)

State of Wisconsin Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

| | | | Ro | watershed/W Remediation/I | astewater Redevelopment | Waste Other | _ | ement | | | | | | | | |
|--------------------|---------------------------------|-------------|----------------|---|----------------------------|--------------------|----------------|----------------|--|-----------|-------------------------|---------------------|----------|--------------|---------------------|------------------|
| | | | | | | | | | | | | | Pag | ge 1 | of Z | 2 |
| | y/Projec | | | | | License/ | | | | | | Boring | | | _ | |
| | | | | ter Monitoring Prog | | | | uperio | or Ter | | | | | <i>N</i> -22 | | |
| _ | | - | Name of | f crew chief (first, last) ar | nd Firm | Date Dr | illing S | tarted | | Dat | te Drilli | ng Com | pleted | | | ng Method |
| Cole | | Engir | neerin | | | 2: 12 | | 1/2015 | | | | 0/21/2 | 2015 | | au | llow stem |
| WI Un | ique W | ell No. | | DNR Well ID No. | Common Well Name MW-22B | Final Sta | atic Wa .15 | | el | Surface | e Elevat | | 4 | Bo | | Diameter inches |
| ocal (| Grid Or | rigin | | stimated:) or Bor | ing Location | | 13. | .0 | | 1 | | .5 Fee | | | 8.0 | inches |
| State 1 | | 19111 | | | E S/C/N | La | at <u>46</u> | 5° 41 | <u>'</u> | 0.6" | Locui | nia Ecc | □ N | | | □Е |
| NW | 1/4 | of S | W 1 | /4 of Section 31, | T 49 N, R 14 W | , _{Lon} | g -92 | <u>2°3</u> | <u>' </u> | 11.3" | | Feet | \Box s | | I | Feet W |
| Facility | | | | County | ,, | County Co | ode | Civil T | own/Ci | ity/ or \ | /illage | | | | | |
| | | | | Douglas | | 16 | | Supe | rior | | | | | | | |
| San | nple | | | | | | | | | | | Soil I | Prope | erties | | |
| | & in) | S | ਜ਼ | Soil/R | ock Description | | | | | | | | | | | |
| n) | λtt ed (| unt | Fee | And Ge | ologic Origin For | | | | _ | l (ii | Sive | | | | <u></u> | ıts |
| ıber Typ | gth / | ζ, | lh Ir | Eac | h Major Unit | | CS | hic | ram | Idd) | pres | sture | Е | ı. | ticit |)/ Imei |
| Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth In Feet | | | | S D | Graphic Log | Well Diagram | PID (ppm) | Compressive Strength | Moisture Content | G/S/F % | Color | Plasticity Index | RQD/ Comments |
| | | | | Silty gravel; large and | ular cobbles and cla | ss 5 | | 179 | ÍĪ | | 0 01 | | | | | |
| | | | _ | material present. | | | GM | 51 | | | | | | | | |
| | | | | | | | | 100 | | | | | | | | |
| 1 🗸 | 24 | 1 | 5 | Lean clay; medium st | iff: reddish brown to | hrown: | | | | 0.4 | 0.75 | | | | | |
| ss 🛚 | 24 9.6 | 2 | | moist to wet; organics | | | | | | | 0.73 | | | | | |
| | | 2 | - | | | | | | | | | | | | | |
| | | | - 10 | | | | | | | | | | | | | |
| ss 🛚 | 24 14.4 | 2 | - | | | | | | | 0.9 | 2.5 | | | | | |
| | | 5 | | | | | | | | | | | | | | |
| | | 8 | - <u>, -</u> | | | | | | | | | | | | | |
| ss 🛚 | 24 | 1 | 15 - | | | | CL | | | 1.1 | | | | | | |
| SSI | 10.8 | 2 | - | Wood and plastic she | eting present 16-17 | | | | | | | | | | | |
| | | 3 | | | | | | | | | | | | | | |
| ss 🛚 | 24 | 3 | -20 | Wood; yellowish brow | /n; wet 20-22'. | | | | | 1.2 | | | | | | |
| ss∆ | 24 15.6 | 9 6 | E | ., | | | | | | | | | | | | |
| | | 3 | _ | | | | | | | | | | | | | |
| 5 🗆 | 24 | 1 | -25 | Organic silt with wood | / (nossible post fill): | vory soft: | | <u> </u> | | 1.1 | 0.25 | | | | | |
| 5 SS | 24 | 1 | Ĺ | dark brown; wet; fiber | | | OL | | | | 0.23 | | | | | |
| | | 2 | - | Fat clay; reddish brov coarse-grained sand; | | | | | | | | | | | | |
| | | | - 30 | coarse-grained sand, | medium sun. | | | | 4 I | | | | | | | |
| ss 🛚 | 24 12 | 1 3 | - | | | | | | a I | 1.0 | 1.25 | | | | | |
| | | 4 | | | | | ļ | | | | | | | | | |
| | | 3 | | | | | CH | | | | | | | | | |
| ss 🛚 | 24 | 2 | —35 - | | | | | | 1 | 0.8 | 1 | | | | | |
| SS <u>[</u> \ | 22.8 | 2 | - | | | | | | 7 | | | | | | | |
| | | 6 | F | | | | | | | | | | | | | |
| _ | | | 4 0 | | | | | | | | | | | | | |
| | | fy that 1 | the info | rmation on this form is tr | ue and correct to the b | est of my k | nowled | ge. | | | | | | | | |
| Signati | ure | A | 151 | 12/1/1 | Firm Ba | arr Engine | ering | Co. | | | | | | | | Tel: |
| | | 7) | 1)11/ | TW/ws/ru | M | - | _ | | | | | | | | | Fax: |

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in 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 this form is not intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A

| Boring | g Numl | oer | MW | V-22B Use only as an attachn | nent to Fori | m 440 | 0-122. | | | | | Pag | ge 2 | of 2 | 2 |
|--------------------|---------------------------------|-------------|----------------|---|--------------|-------|----------------|-----------------|-----------|-------------------------|---------------------|---------|--------|---------------------|------------------|
| San | | | | | | | | | | | Soil | Prope | erties | | |
| | % (ii) | s | et | Soil/Rock Description | | | | | | 0 | | | | | |
| ပ | Att. ed (| unt | ı Fe | And Geologic Origin For | | | | _ | l (ii | SSIVE | | | | <u> </u> | ıts |
| lber Гур | gth / | , C | h Ir | Each Major Unit | | CS | hic | ram ram | Idd) | pres | sture | Ь 4 | Ä | x x |)/ mei |
| Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth In Feet | - | | S | Graphic Log | Well Diagram | PID (ppm) | Compressive Strength | Moisture Content | G/S/F % | Color | Plasticity Index | RQD/ Comments |
| 8 SS | 24 | | | Fat clay; reddish brown; moist; trace | | | 7777 | | 0.8 | 1.25 | 20 | | | | |
| ss⊬ | 24 | 2 2 3 | _ | coarse-grained sand; medium stiff. (continued | d) | | | | | | | | | | |
| | | 4 | | | | | | | | | | | | | |
| οM | 24 | WOH | 45 | | | | | | 0.8 | 1 | | | | | |
| 9 SS | 24 24 | 2 | | | | | | | 0.0 | ' | | | | | |
| | | 3 4 | - 1 | | | СН | | | | | | | | | |
| | | | - 50 | | | OH | | | | | | | | | |
| 10 SS | 24 3.6 | 3 | - 50 | | | | | | 0.7 | | | | | | |
| 33/_ | 3.0 | 6 7 | | | | | | | | | | | | | |
| | | 7 | - 1 | | | | | | | | | | | | |
| 11 SS | 24 | 2 | —55 – | Silt lamination at 55.4'. Medium-grained sand | ı k | | | | | 1 | | | | | |
| ss⊬ | 24 | 2 4 | - | lamination at 56.1'. | | | | | 1 | | | | | | |
| | | 4 | | End of Boring at 57 feet below ground surface | e. | | | | | | | | | | |
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State of Wisconsin Department of Natural Resources

SOIL BORING LOG INFORMATION

Fax:

Form 4400-122 Rev. 7-98

| | | Ro | | Wastewater □ /Redevelopment ⊠ | Waste I | _ | ement | | | | | | | | |
|---|-------------|----------------|----------------------------|--------------------------------------|-------------------|-------------|----------------|-----------------|-----------|-------------------------|---------------------|------------|--------------|---------------------|------------------|
| | | | | • | | | | | | | | Pag | e 1 | of Z | 2 |
| Facility/Proj | | | | | License/l | | | _ | | | Boring | Numbe | er | | _ |
| | | | ter Monitoring Pro | | Enbri Date Dri | | Superio | r Ter | | te Drilli | ng Con | | <i>N</i> -23 | | ing Method |
| Randy C | - | variie o | recew effici (1113t, 143t) | and I mm | Date Dir | iiiig 5i | uartea | | Da | C Dilli | ng Con | ipicica | | | llow stem |
| Colemar | n Engi | | | | 7: 12 | | 0/2015 | | ~ | | 0/20/2 | 2015 | | au | ger |
| WI Unique V | Well No | | DNR Well ID No. | Common Well Name MW-23B | Final Sta | tic Wa | ter Leve | 1 | Surface | e Elevat 643 | ion .5 Fee | et | Bo | | Diameter inches |
| Local Grid C | Origin | (es | | oring Location 🖂 | T - | t 46 | 5° 41 | ' 1 | 1.7" | Local G | | | | | 11101100 |
| State Plane SE 1/- | 4 of N | TX / 1 | N, 1/4 of Section 31, | E S/C/N T 49 N, R 14 W | | t <u>46</u> | | | 2.5" | | Foot | □ N □ S | | ī | ☐ E Feet ☐ W |
| Facility ID | 4 01 11 | VV | County | | County Co | | Civil To | | | Village | reet | <u> </u> | | - 1 | reet 🗀 w |
| | | | Douglas | | 16 | | Super | rior | | | | | | | |
| Sample | | | | | | | | | | | Soil | Prope | erties | | |
| Number and Type Length Att. & Recovered (in) | ınts | Feet | | Rock Description Geologic Origin For | | | | | | ive | | | | | Ø |
| Number and Type Length Att. & Recovered (in | Blow Counts | Depth In Feet | | ach Major Unit | | CS | hic | ram | udd) | press gth | ture | % н | <u> </u> | Plasticity Index |)/ men1 |
| Number and Type Length At Recovered | Blow | Dept | | J | | N S | Graphic Log | Well Diagram | PID (ppm) | Compressive Strength | Moisture Content | G/S/F % | Color | Plastic Index | RQD/ Comments |
| 1 24 SS 7.2 | 1 | - | Fat clay; soft; moist | reddish brown. | | | | | 2.7 | 0.75 | | | | | |
| 7.2 | 2 | F | | | | | | | | | | | | | |
| 21 24 | | - 5 | Crow mottling and tr | and course and E E7' | | | | | 0.8 | 2.75 | | | | | |
| 2 24 SS 16.8 | | | | ace coarse sand 5-57'. | | | | | 0.6 | 2.75 | | | | | |
| | 6 8 | | Stiff 5-10'. | | | | | | | | | | | | |
| 3 SS 24 18 | 2 | _10 | Medium siff 10-57'. | | | | | | 1.1 | 2.25 | | | | | |
| SS 18 | 3 4 | - | | | | | | | | | | | | | |
| | 6 | F | | | | | | | | | | | | | |
| 4 24 SS 21.6 | 2 4 | 15 - | | | | | | | 1.1 | 1.5 | | | | | |
| 21.0 | 2 4 | F | | | | | | | | | | | | | |
| 5 04 | | - -20 | | | | СН | | | 1.0 | 4 75 | | | | | |
| 5 24 SS 19.2 | | | | | | | | | 1.0 | 1.75 | | | | | |
| | 4 4 | | | | | | | | | | | | | | |
| 6 24 SS 22.8 | 1 | 25 | | | | | | | 0.9 | 1.75 | | | | | |
| SS∐ 22.8 | 4 | F | | | | | | | | | | | | | |
| | 6 | - | | | | | | | | | | | | | |
| 7 24 SS 22.8 | 1 | -30 - | | | | | | | 1.1 | 1.25 | | | | | |
| | 4 | F | | | | | | | | | | | | | |
| 8 24 | 1 | - -35 | | | | | | | 1.0 | 1.25 | | | | | |
| 8 24 SS 24 | 3 | - | | | | | | | 1.0 | 1.25 | | | | | |
| | 3 | | | | | | | | | | | | | | |
| | | 4 0 | | | | | | | | | | | | | |
| I hereby cert Signature | ify that | | | true and correct to the be | | | | | | | | | | | |
| Signature | 1 | Mar | Mal. | FIIII Bar | r Engine | ering | Co. | | | | | | | | Tel: |

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in 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 this form is not intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A

| Boring | g Numl | ber | MW | V-23B Use only as an attachment to | Form 44 | 00-122 | | | | | Pag | ge 2 | of 2 | 2 |
|--------------------|---------------------------------|-------------|---------------|---|---------|----------------|-----------------|-----------|-------------------------|---------------------|---------|--------|---------------------|------------------|
| San | • | | | | | | | | | Soil | Prope | erties | | |
| | & (in) | ıts | eet | Soil/Rock Description | | | | _ | ve | | | | | |
| er ype | h Att ered | Com | In F | And Geologic Origin For Each Major Unit | N N | .2: | l g | (mdc | ressi | ure nt | % | | sity | nents |
| Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth In Feet | Each Major Onit | ISC | Graphic Log | Well Diagram | PID (ppm) | Compressive Strength | Moisture Content | G/S/F % | Color | Plasticity Index | RQD/ Comments |
| 9 SS | 24 | 1 | | Fat clay; soft; moist; reddish brown. (continued) | n | | | 1.0 | 1.25 | 20 | 0 | | ПП | |
| ss∖∆ | 24 | 3 4 | - | | | | | | | | | | | |
| | | 5 | F | | | | | | | | | | | |
| 10 SS | 24 24 | 1 | 45 - | | | | | 0.9 | 1 | | | | | |
| 55 [∆ | 24 | 1 4 | _ | | | | | | | | | | | |
| | | 4 | - 50 | | CH | | | : | | | | | | |
| 11 SS | 24 24 | 1 3 | - 30 | | | | | 0.8 | 1 | | | | | |
| | | 3 4 | F | | | | | | | | | | | |
| 40 | 0.4 | | - 55 | | | | | 1.0 | | | | | | |
| 12 SS | 24 24 | WOH 2 | | | | | | 1.0 | 1 | | | | | |
| | | 3 6 | | End of boring 57 feet below ground surface. | | | | | | | | | | |
| | | | | | | | | | | | | | | |
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SOIL BORING LOG INFORMATION

Fax:

Form 4400-122 Rev. 7-98

| | | | <u>Ro</u> | watershed/W Remediation/ | Vastewater □ /Redevelopment □ | Waste 1 Other | _ | ement | | | | | | | | |
|--------------------|---------------------------------|------------------|---------------|--|-------------------------------------|------------------|---------------|-------------------|-----------------|-----------|-------------------------|---------------------|----------|---|---------------------|------------------|
| Facilit | y/Projec | ot Non | 10 | | | License/ | Darmit | Monitor | ina Ni | mbor | | Boring | Pag | | of | <u>l</u> |
| | | | | ter Monitoring Prog | ram | | | Superio | _ | | I | Boring | | v-24 | A | |
| | | | | f crew chief (first, last) a | | Date Dri | | | 1 101 | | te Drilli | ng Com | | <u>, , , , , , , , , , , , , , , , , , , </u> | | ing Method |
| Rar | dy Oc | chs | neerin | | | | _ | 2/2015 | | | | .0/22/2 | | | ho | llow stem |
| | ique W | | | DNR Well ID No. | Common Well Name | e Final Sta | | | | Surfac | e Elevat | | | Вс | | Diameter |
| | | | | | MW-24A | | | | | | | .1 Fee | | | 8.0 | inches |
| State | Grid Or Plane | rigin | ☐ (es | N, | ring Location 🖂 E S/C/N | I | ıt <u>4</u> 0 | | | 25.3" | Local C | | □N | | | □Е |
| NE | | of N | E 1 | /4 of Section 36, | T 49 N, R 14 W | | g <u>-92</u> | | | 22.4" | | Feet | \Box s | | F | Feet W |
| Facilit | y ID | | | County Douglas | | County Co | de | Civil To Super | | ity/ or V | Village | | | | | |
| Sar | nple | | | | | | | | | | | Soil I | Prope | erties | | |
| | & (in) | S | ₁₅ | Soil/F | Rock Description | | | | | | | | | | | |
| Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth In Feet | And G | eologic Origin For ch Major Unit | | SCS | Graphic Log | Well Diagram | PID (ppm) | Compressive Strength | Moisture Content | % 4/S/b | Color | Plasticity Index | RQD/ Comments |
| <u>ਟ ਫ਼</u> 1∖, | 24 | <u>n</u> | Ω | Lean clay: reddish h | rown; moist; soft; (fill) | 1 | D | 9 7 | ≯ □ | 0.4 | 1.5 | 20 | 9 | 0 | <u>Р</u> | <u> </u> |
| ss | 10.8 | 2 2 4 | _ | Lean clay, reduisir bi | own, moist, soit, (iii) | | | | | 0.4 | 1.5 | | | | | |
| ss 2 | 24 9.6 | 1 3 3 | - | Organics present; mo | edium stiff 0-4'. | | | | | 0.4 | 1.75 | | | | | |
| 3 SH | 24 16.8 | 3 | - 5 | Shelby tube sample 6-8'. | collected from 4-6' ar | nd from | CL | | | | | | | | | |
| 4 SH | 24 18 | | <u>-</u> | | | | | | | | | | | | | |
| ss ss | 24 20.4 | 2 3 5 | - | Fat clay; reddish bro medium stiff 8-12'. | wn; moist; trace coar | se sand; | | | | 0.4 | 2.75 | | | | | |
| ss / | 24 22.8 | 5 2 3 3 | —10 - | | | | | | | 0.4 | 1.75 | | | | | |
| ss / | 24 24 | 5 1 2 2 | - | Soft 12-14'. | | | СН | | | 0.5 | 1 | | | | | |
| ss / | 24 24 | 5 1 3 3 | - 15 | Medium stiff 14-18'. | | | | | | 0.4 | 1.25 | | | | | |
| ss V | 24 24 | 4 1 2 3 | - | | | | | | | 0.4 | 1 | | | | | |
| V_ | | 4 | _ | End of boring 18 feet | t below ground surfac | ce. | | | | 1 | | | | | | |
| | | . ,1 | 4 | | 1 4 | | , . | | | | | | | | | |
| | | | | rmation on this form is t | læ: | | | | | | | | | | | |
| Signat | ure | 4 | 150 | | Firm Ba | arr Engine | ering | Co. | | | | | | | | Tel: |

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SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

| | | | <u>Ro</u> | watershed/W Remediation/ | 'astewater □ Redevelopment ⊠ | Waste ! Other | _ | ement | | | | | | | | |
|--------------------|---------------------------------|-------------|-----------------|---|------------------------------|------------------|--------------|----------------|-----------------|-----------|-------------------------|---------------------|----------|--------|---------------------|------------------|
| | | | | | | | | | | | | | Pag | | of 2 | 2 |
| | y/Projec | | | . M :: D | | License/I | | | | | | Boring | | | D | |
| | | | | ter Monitoring Prog | | Enbri | | | or Ter | | | C | | V-24 | | M-41 J |
| _ | | - | Name o | f crew chief (first, last) a | na rirm | Date Dri | lling Si | tarted | | Dat | e Drilli | ng Com | ipietea | | | ng Method |
| | dy Oc | | neerin | σ | | | 10/26 | 5/2015 | | | 1 | 0/26/2 | 2015 | | aug | llow stem |
| WI Un | ique W | ell No | icciii | DNR Well ID No. | Common Well Name | | | | | Surface | Elevat | | 2013 | Bo | | Diameter |
| ,,, | ique " | CII I (O. | • | BITTE WORLD ITO. | MW-24B | i mai su | tic vva | ter Eeve | ,1 | Surruct | | .9 Fee | t | | | inches |
| Local | Grid Or | igin | (es | stimated: or Bor | ing Location 🖂 | 1 | | | | | Local G | | | | 0.0 | |
| State 1 | | J | | | E S/C/N | La | t <u>46</u> | 5° 41 | | 25.4" | | | □N | | | □Е |
| NE | 1/4 | of N | E 1 | /4 of Section 36, | T 49 N, R 14 W | Long | g <u>-92</u> | 2°3 | <u>' 2</u> | 22.3" | | Feet | \Box s | | F | Feet W |
| Facilit | | | | County | • | County Co | de | Civil T | own/Ci | ty/ or V | /illage | | | | | |
| | | | | Douglas | | 16 | | Supe | rior | | | | | | | |
| San | nple | | | | | | | | | | | Soil I | Prope | erties | | |
| | 2 (i) | | | Soil/R | ock Description | | | | | | | | | | | |
| | Length Att. & Recovered (in) | Blow Counts | Depth In Feet | | cologic Origin For | | | | | <u> </u> | Compressive Strength | | | | | 23 |
| ype | h A ⁄ere | Coı | I I | | ch Major Unit | | S | ii. | am | bbn_ | ress | ure | % | | city | , nen |
| Number and Type | engt ecov | wo | eptk | Lac | n Major Onit | | SC | Graphic Log | Well Diagram | PID (ppm) | omp reng | Moisture Content | G/S/F % | Color | Plasticity Index | RQD/ Comments |
| Z E | 1 X | | D | Olava aa dallah haavaa | | | D | 0 1 | ≥ □ | 0.2 | St. | ΣŬ | Ğ | | 면 데 | <u>₹</u> ひ |
| ss 🛚 | 24 12 | 1 2 | - | Clay; reddish brown; soil inclusions; (fill). | moist; medium stin; t | organic /- | CL | <u> </u> | | 0.2 | 0.5 | | | | | |
| - | | 2 | | Organic soil; black. | | | <u> </u> | | | | | | | | | |
| | | 3 | - <u>-</u> | Fat clay; red brown; r | noist; trace coarse sa | and. | | | | | | | | | | |
| ss X | 24 | 2 | 5 - | Silt laminations 0-6'. | | | | | | 0.4 | 1.75 | | | | | |
| SSI | 20.4 | 3 | - | Gray mottling 5-15'. | | | | | | | | | | | | |
| | | 4 | | | | | | | | | | | | | | |
| 3 √ | 24 | 1 | - 10 | Soft to very soft 10-4 | ni | | | | | 0.8 | 1.5 | | | | | |
| ss. | 18 | 1 | _ | 3011 to very soit 10-4 | U . | | | | | 0.0 | 1.5 | | | | | |
| | | 2 | _ | | | | | | | | | | | | | |
| | | 3 | 15 | | | | | | | | | | | | | |
| 4 | 24 | 1 | —15 - | | | | | | | 0.9 | 1.25 | | | | | |
| ss∆ | 24 | 2 | - | | | | | | | | | | | | | |
| | | 3 | | | | | | | | | | | | | | |
| ss.\ | 24 | 1 | -20 | | | | | | | 0.8 | 1 | | | | | |
| ss | 24 22.8 | 2 | | | | | CH | | | | | | | | | |
| | | 2 3 | _ | | | | | | | | | | | | | |
| | | J | - 25 | | | | | | | | | | | | | |
| ss 🛚 | 24 24 | 1 | - 23 | Trace gravel 25-45'. | | | | | | 0.9 | 1.25 | | | | | |
| 33 <u>//</u> | 24 | 1 3 | _ | | | | | | | | | | | | | |
| | | 4 | | | | | | | | | | | | | | |
| 7 🗸 | 24 | 1 | -3 0 | | | | | | | 0.8 | 0.75 | | | | | |
| ss. | 24 | 1 | | | | | | | | | | | | | | |
| | | 2 2 | - | | | | | | | | | | | | | |
| | | | - 35 | | | | | | | | | | | | | |
| 8 SS | 24 21.6 | 1 2 | - | | | | | | | 0.0 | 0.75 | | | | | |
| _ | | 1 | Ľ | | | | | | | | | | | | | |
| 9 SH | 24 25.2 | 4 | _ | Shelby tube sample of 40-42'. | collected from 38-40' | and from | | | | | 1.25 | | | | | |
| | | | 4 0 | - | | | | | . 1 [. | | | | | | | |
| | - | y that | the info | rmation on this form is tr | rue and correct to the b | est of my kn | owled | ge. | | | | | | | | |
| Signat | ure | | An | TIN AM. 1 | Firm Ba | rr Engine | ering | Co. | | | | | | | | Tel: |
| | | | U | MP // lust r | yy ! | | J | | | | | | | | | Fax: |

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SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A

| Boring | g Numl | oer | MW | V-24B Use only as an attachment to I | Form 44 | 00-122. | | | | | Paş | ge 2 | of . | 2 |
|--------------------|---------------------------------|-------------|----------------|--|---------|----------------|-----------------|-----------|-------------------------|---------------------|--|--------|---------------------|------------------|
| San | nple | | | | | | | | | Soil | Prope | erties | | |
| | (ii. | S | | Soil/Rock Description | | | | | | | | | | |
| a) | ۸tt. ed (| unt | Fe. | And Geologic Origin For | | | | n (ii | SSIVE | 0 | | | | ıts |
| lber Гур | gth / | л Сс | h In | Each Major Unit | CS | hic | ram | ıdd) | pres | sture | % | Ä | icit | o/ mer |
| Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth In Feet | _ | n S | Graphic Log | Well Diagram | PID (ppm) | Compressive Strength | Moisture Content | G/S/F % | Color | Plasticity Index | RQD/ Comments |
| 10 | 24 | I | | Fat clay; red brown; moist; trace coarse sand. | +- | 1111 | | | 3.25 | | | | | |
| SH | 27.6 | | _ | (continued) Very stiff 40-47'. | СН | | | | | | | | | |
| | | | _ | very suit 40-47. | | | | | | | | | | |
| 11 🗸 | 24 | 4 | 45 | Sandy silt; very fine grained; reddish brown; moist. | | | | 0.4 | 4 | | | | | |
| 11 SS | 24 19.2 | 7 | _ | | ML | | | | | | | | | |
| | | 11 14 | | End of boring 47 feet below ground surface. | | | | | | | | | | |
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SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

| | | | Ro | ute To: Watershed/W Remediation/l | astewater □ Redevelopment □ | Waste 1 | _ | ement | | | | | | | | |
|--------------------|---------------------------------|-------------|----------------|--|-----------------------------|--------------|---------------|----------------|-----------------|-----------|-------------------------|---------------------|------------|-------|---------------------|------------------|
| | | | | | | | | | | | | | Pag | | of | 1 |
| | y/Projec | | | M '' ' D | | License/ | | | | | | Boring | | | ٨ | |
| | | | | ter Monitoring Prog f crew chief (first, last) at | | Date Dri | | Superio | or 1 er | | | ng Com | | V-25 | | ng Method |
| _ | dy Oc | - | varrie o | i crew cilier (first, fast) a | IIQ I'IIIII | Date Dil | iiiig S | tarteu | | Dai | C Dilli | ng Con | ipicicu | | | llow stem |
| Col | eman | Engir | neering | g | | | 10/2 | 8/2015 | | | 1 | 0/28/2 | 2015 | | aug | |
| WI Un | ique W | ell No. | | DNR Well ID No. | Common Well Name | Final Sta | tic Wa | ter Leve | el | Surface | e Elevat | tion | | Вс | rehole l | Diameter |
| | | | | _ | MW-25A | | | | | | | .9 Fee | | | 8.0 | inches |
| Local (State) | Grid Or | rigin | (es | | ing Location 🖂 E S/C/N | 12 | ıt <u>4</u> 6 | 6° 41 | , , | 40.2" | Local C | Grid Loc | | | | |
| NE | | of SV | X / 1 | /4 of Section 30, | T 49 N, R 14 W | 1 | g <u>-92</u> | | | 45.7" | | Foot | □ N □ S | | Т | □ E Feet □ W |
| Facilit | | 01 5 | /V 1 | County | 1 49 N, K 14 W | County Co | de | Civil To | | | /illage | reet | <u> </u> | | Г | reel 🗆 w |
| • | , | | | Douglas | | 16 | | Super | | - | | | | | | |
| San | nple | | | | | | | | | | | Soil I | Prope | rties | | |
| | & in) | Ν | et | Soil/R | ock Description | | | | | | မ | | | | | |
| . <u>e</u> | Att. | Blow Counts | Depth In Feet | And Ge | ologic Origin For | | | | | ш | Compressive Strength | 9 | , o | | <u> </u> | nts |
| nber Typ | gth over | Č | th L | Eac | h Major Unit | | CS | Graphic Log | II gran | PID (ppm) | ngth | istur | G/S/F % | or | sticit ex | D/ nme |
| Number and Type | Length Att. & Recovered (in) | Blo | Dep | | | | C S | Gra | Well Diagram | PE | Compress Strength | Moisture Content | G/S | Color | Plasticity Index | RQD/ Comments |
| ss √ | 24 4.8 | WOH WOH | | Clay; brown to reddis (fill). | h brown; moist; roots | present; | | | | 0.2 | 1 | | | | | |
| | 7.0 | WOH | _ | Trace gravel 0-12'. | | | CL | | | | | | | | | |
| 2 | 24 | 2 1 | - | Fat clay; reddish brov | vn: moist. | | | | | 0.3 | 2 | | | | | |
| ss V | 0 | 2 | _ | - | | | | | | | | | | | | |
| Λ | | 3 | | 1-2 mm thick silt lens | | | | | | | | | | | | |
| 3 SH | 24 15.6 | | | Shelby tube sample of 6-8'. | collected from 4-6' and | d from | | | | | 1.75 | | | | | |
| | | | 5 | | | | | | | | | | | | | |
| 4 | 24 | | - | | | | | | | | 1.25 | | | | | |
| SH | 28.8 | | _ | | | | | | | | | | | | | |
| | | | _ | | | | | | | | | | | | | |
| ss V | 24 24 | 1 1 | | | | | | | | 0.3 | 1.25 | | | | | |
| 1 | | 2 2 | | | | | СН | | | | | | | | | |
| 5 | 24 | 1 | 10 | | | | | | | 0.3 | 1.25 | | | | | |
| ss V | 24 | 3 | - | | | | | | | | | | | | | |
| | | 3 | _ | | | | | | | | | | | | | |
| 6 SS √ | 24 24 | 1 | | | | | | | | | 1 | | | | | |
| Λ | | 3 | | | | | | | | | | | | | | |
| ss V | 24 | 1 | - | | | | | | | 0.4 | | | | | | |
| SS | 24 | 1 2 | 15 | | | | | | | | | | | | | |
| <u> </u> | | 3 | - | | | | | | | | | | | | | |
| | | | | | | | | | | - | | | | | | |
| | | | | End of boring 17 feet | below ground surface | Э. | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | |
| hereb | y certif | fy that t | he info | rmation on this form is tr | ue and correct to the be | est of my kr | nowled | ge. | | | | | | | | |
| Signat | ure | | 2 | . 0 | Firm Ba | rr Engine | ering | Co. | | | | | | | | Tel: |
| | | | 401 | le Delina | | _ | | | | | | | | | | Fav: |

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SOIL BORING LOG INFORMATION

Fax:

Form 4400-122 Rev. 7-98

| | | | Ro | ute To: | Watershed/ | | | Vaste N Other [| _ | ement | | | | | | | | |
|--------------------|---------------------------------|-------------|-----------------|-------------------|-----------------------------|----------------------------|--------|--------------------|---------|----------------|-----------------|-----------|-------------------------|---------------------|--------------|-------|---------------------|------------------|
| | | | | | Remediation | /Redevelopment 🛚 | C | Junei 1 | | | | | | | Dog | e 1 | of Z | 2 |
| Facility | y/Projec | ct Nan | ne | | | | Lic | cense/P | ermit/ | Monitor | ing Nu | ımber | | Boring | Pag Numbe | | 01 . | |
| Enb | ridge | Grou | ındwat | er Mon | nitoring Pro | gram | | | | uperio | r Ter | | | | | V-25 | | |
| _ | | - | Name o | f crew ch | nief (first, last) | and Firm | Da | te Dril | ling St | arted | | Da | ate Drillii | ng Com | pleted | | | ng Method |
| | dy Oc eman | | neerin | g | | | | | 10/29 | 0/2015 | | | 1 | 0/29/2 | 2015 | | | llow stem ger |
| | ique W | | | | Well ID No. | Common Well Name | Fir | nal Stat | ic Wat | er Leve | 1 | Surfa | ce Elevat | | | Во | orehole l | Diameter |
| Local | Cmi d Om | من من م | | timotodi | □ \ am D: | MW-25B oring Location ⊠ | | | | | | | 635. | 9 Fee | | | 8.0 | inches |
| State 1 | | igin | ∐ (es | timated: | □) or bo | E S/C/N | | Lat | 46 | ° 41 | <u>'</u> 4 | 10.2" | Local G | nia Loc | ation N | | | □ E |
| NE | 1/4 | of S | W 1 | /4 of Sec | , | T 49 N, R 14 W | , | Long | -92 | °3 | | 15.7" | | Feet | \Box S | | I | Feet W |
| Facility | y ID | | | I | County | | | nty Coc | de | | | ty/ or | Village | | | | | |
| San | anlo | | Τ | | Douglas | | 16 | | | Super | 10r | | | Soil I | Prope | rtios | | |
| Saii | | | | | Soil | Rock Description | | | | | | | | | торе | เนตอ | | |
| | tt. & d (in) | unts | Feet | | | Geologic Origin For | | | | | | <u>۔</u> | ive | | | | | ts. |
| ber 「ype | th A | Ω̈́ | h In | | | ach Major Unit | | | cs | hic | ram | udd) | press gth | ture | % ь | Ħ | icity | men |
| Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth In Feet | | | , | | | N S | Graphic Log | Well Diagram | PID (ppm) | Compressive Strength | Moisture Content | G/S/F % | Color | Plasticity Index | RQD/ Comments |
| 1 🗸 | 24 | 1 | - | | | prown to brown; moist; | very s | soft; | | | ÍΠ | 1.3 | 0.25 | | | | | |
| ss∖∆ | 9.6 | 1 1 | | organi | cs present. | | | | CL | | | | | | | | | |
| | | 2 | <u> </u> | | | | | | | | | | | | | | | |
| ss X | 24 18 | 2 2 | <u>−</u> 5 - | Fat cla | ay; reddish bro | own; moist; medium sti | iff. | | | | | 0.5 | 1.25 | | | | | |
| 33 | 10 | 3 | - | | | | | | | | | | | | | | | |
| | | 4 | - 10 | | | | | | | | | | | | | | | |
| 3 SS | 24 21.6 | 1 1 | -10 | Trace | sand 10-15'. | | | | | | | 0.6 | 1.25 | | | | | |
| 00/_ | 21.0 | 3 | F | | | | | | | | | | | | | | | |
| | | | - 15 | | | | | | | | | | | | | | | |
| ss 🛚 | 24 19.2 | 1 | - | | coarse sand a very soft 15- | and gravel 15-47'. 47'. | | | | | | 0.9 | 0.75 | | | | | |
| | | 2 | F | | , | | | | | | | | | | | | | |
| | 0.4 | _ | - 20 | | | | | | | | | 4.0 | 0.5 | | | | | |
| ss X | 22.8 | 1 | L | | | | | | | | | 1.6 | 0.5 | | | | | |
| | | 1 2 | - | | | | | | CH | | | | | | | | | |
| 6 🗸 | 24 | 1 | - 25 | | | | | | | | | 1.7 | 0.25 | | | | | |
| 6 SS | 24 22.8 | 1 | ļ. | | | | | | | | | | 0.23 | | | | | |
| | | 1 2 | L | | | | | | | | | | | | | | | |
| 7 🗸 | 24 | 1 | -30 | | | | | | | | | 1.8 | 0.25 | | | | | |
| ss 🛚 | 24 | 1 | - | | | | | | | | | | 0.20 | | | | | |
| | | 2 2 | L | | | | | | | | | | | | | | | |
| 81 | 24 | 1 | -35 | | | | | | | | | 1.2 | 0.5 | | | | | |
| ss X | 24 | 2 | F | | | | | | | | | | | | | | | |
| 9 SH | 24 27.6 | 2 | - 40 | Shelby 40-42'. | | collceted from 38-40' | and fr | om | | | | | 1.25 | | | | | |
| I hereh | v certif | fy that | | rmation o | on this form is | true and correct to the b | est of | my kno | owleds | ze. | <u> </u> | | I | | | | | |
| Signat | - | | | V | AM. | | | ngine | | | | | | | | | | Tel: |

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Form 4400-122A

| Boring Nu | umb | er | MW | V-25B Use only as an attachment to | Form 4 | 100-122. | | | | | Pag | ge 2 | of 2 | 2 |
|-------------------------------------|----------------|-------------|------------------------------|--|--------|----------------|-----------------|-----------|-------------------------|---------------------|---------|--------|---------------------|------------------|
| Sample | е | | | | | | | | | Soil | Prope | erties | | |
| Number and Type Length Att. & | Recovered (in) | Blow Counts | Depth In Feet | Soil/Rock Description And Geologic Origin For Each Major Unit | USCS | Graphic Log | Well Diagram | PID (ppm) | Compressive Strength | Moisture Content | G/S/F % | Color | Plasticity Index | RQD/ Comments |
| 10 24 SH 27 | 24 | | _ | Fat clay; reddish brown; moist; medium stiff. | | | | | 0.75 | | | | | |
| 10 24 SH 27 | 24 7.6 | 2 2 2 2 2 | - - - - -45 - | Fat clay; reddish brown; moist; medium stiff. (continued) Brown in color 46-46.5'. End of boring 47 feet below ground surface. | О | | | 1.3 | 0.75 | | | | | |
| | | | | | | | | | | | | | | |

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

| | | | <u>Ro</u> | watershed/W Remediation/ | ⁷ astewater □ Redevelopment ⊠ | Waste Other | _ | ement | | | | | | | | |
|--------------------|---------------------------------|-------------|----------------|------------------------------|--|----------------|---------------|----------------|-----------------|-----------|-------------------------|---------------------|---------|--------|---------------------|------------------|
| | | | | | | | | | | | | | Pag | ge 1 | of | 1 |
| | y/Proje | | | | | License | | | | | | Boring | | | _ | |
| | | | | ter Monitoring Prog | | | | Superio | or Tei | | | | | W-2 | |) () () () |
| | - | - | Name o | f crew chief (first, last) a | nd Firm | Date Dr | illing S | tarted | | Da | te Drill | ing Con | npleted | | | ng Method |
| Col | ndy Oo eman | Engir | neerin | | | | | 8/2015 | | | | 10/28/2 | 2015 | | au | llow stem ger |
| WI U1 | nique W | ell No. | | DNR Well ID No. | Common Well Name MW-26 | Final St | atic Wa | iter Leve | el | Surfac | e Eleva 643 | tion .4 Fee | ŧ | Bo | | Diameter inches |
| | Grid O | rigin | (es | | ring Location 🖂 | 1. | at <u>4</u> 0 | 6° 41 | , | 48.6" | | Grid Loc | | | | |
| State NW | Plane 1/4 | of S | W 1 | N, 1/4 of Section 30, | E S/C/N T 49 N, R 14 W | l l | at 1g92 | | | 3.9" | | Feet | □ N □ S | | I | ☐ E Feet ☐ W |
| Facilit | | 01 5 | | County | 1 13 11,10 11 11 | County Co | | Civil To | | ity/ or ` | Village | 1000 | | | | |
| Sar | nple | 1 | <u> </u> | Douglas | | 16 | | Super | rior | T | <u> </u> | Soil | Prope | ortice | | |
| Sai | | | | G - :1/D | a da Danasisatian | | | | | | | | Fiohe | 11165 | | |
| | tt. & d (in | ınts | Feet | | cock Description cologic Origin For | | | | | | ive | | | | | Ν |
| ber Jype | th A vere | Col | h In | | ch Major Unit | | CS | hic | ram | | oress gth | ture | % | L L | icity | / men1 |
| Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth In Feet | | | | O S (| Graphic Log | Well Diagram | PID (ppm) | Compressive Strength | Moisture Content | G/S/F % | Color | Plasticity Index | RQD/ Comments |
| 1 SS | 24 8.4 | 1 2 | | Fat clay; reddish brov | vn; moist; trace grave | el; (fill | | | | 0.3 | 0.75 | | | | | |
| | 0.4 | 3 2 | ļ . | 0-0). | | | | | | | | | | | | |
| 2 | 24 | WOH | <u> </u> | | | | | | | 0.5 | 0.75 | | | | | |
| ss | 3.6 | WOH | | | | | | | | | | | | | | |
| 3 | 24 12 | WOH | - | | | | | | | 0.4 | 0.75 | | | | | |
| ss | 12 | WOH 2 | - 5 | | | | | | | | | | | | | |
| 4 | 24 | 2 | - | | | | | | | 0.3 | 2 | | | | | |
| ss | 21.6 | 2 2 | - | | | | | | | | | | | | | |
| 5 | 24 | 5 | - | Grass and roots 8-10 | '. Gray mottling 8-12'. | • | СН | | | 0.4 | 1.75 | | | | | |
| ss | 21.6 | 3 | - | | | | | | | | | | | | | |
| 6 SS / | 24 | 3 2 | -10 | | | | | | | 0.4 | 1.75 | | | | | |
| SS | 24 | 3 | - | | | | | | | : | | | | | | |
| ss V | 24 | 3 | - | | | | | | | 0.3 | 1.25 | | | | | |
| SS | 24 | 2 | - | | | | | | | | | | | | | |
| 8 SS / | 24 | 3 | - | 1-2 mm thick silt lens | es 14-16'. | | | | | 0.3 | 1 | | | | | |
| SS | 24 | 2 | 15 | | | | | | | | | | | | | |
| V_ | 1 | 3 | - | | | | | | | | | | | | | |
| | | | - | End of boring 17 feet | below ground surface | e. | | | | 1 | | | | | | |
| | | | | | - | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | |
| | | fy that t | the info | ormation on this form is tr | | est of my k | nowled | ge. | | | | | | | | |
| Signat | ure | 2 | e]! | le Scelina | Firm Ba | ırr Engine | eering | Co. | | | | | | | | Tel: Fax: |
| | | | | | 1 | | | | | | | | | | | I ax. |

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SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

| | | | <u>Rc</u> | oute To: | | Vastewater □ Redevelopment □ | | aste Nather | _ | ement | | | | | | | | |
|---------------------|----------------|-------------|-----------------|---------------|----------------------------|------------------------------|----------|------------------|--------|----------------|-----------------|-----------|-------------------------|---------------------|----------|----------|---------------------|------------------|
| | | | | | | | | | | | | | | | Pag | | of | 2 |
| Facility/I | | | | | :, : D | | | | | Monitor | | | | Boring | | | D | |
| Boring F | age Irilled | Grou By: | Indwa Name o | f crew o | onitoring Prog | ram nd Firm | | nbric te Dril | | Superio | or 1 er | | u ate Drilli | ng Con | | W-5] | | ing Method |
| Rand | | | variie o | 1 CICW C | aner (mst, iast) a | ind I iiiii | Date | C DIII | iiig 5 | artea | | | ate Dilli | ing Con | пристеч | | | llow stem |
| Colen | nan 1 | Engi | neerin | | | | | | | /2015 | | | | 11/3/2 | 2015 | | | ger |
| WI Uniq | ue W | ell No | | DNR | Well ID No. | Common Well Name | Fina | al Stat | ic Wa | ter Leve | el | Surfa | ce Eleva | | | Во | | Diameter |
| Local Gr | id Or | igin | (e: | etimated | l: 🗌) or Bor | MW-5B ring Location ⊠ | | | | | | | | .9 Fee | | | 8.0 | inches |
| State Pla | | igiii | | Stimated | | E S/C/N | | Lat | 46 | <u>5° 41</u> | <u>'</u> | 17.4" | Locar | JIIG LOC | | I | | □Е |
| SE | | of N | \mathbf{W} | /4 of Se | ection 31, | T 49 N, R 14 W | , | Long | -92 | <u>2°3</u> | | 3.3 " | | Feet | \Box s | |] | Feet W |
| Facility I | D | | | | County | | | ty Coo | de | | | ity/ or | Village | | | | | |
| Samp | ماد | | | | Douglas | | 16 | | | Super | nor | | | Soil | Prope | artice | | |
| | | | | | Soil/E | Rock Description | | | | | | | | 3011 | l Tope | | | |
| % | d (ii | ınts | Feet | | | eologic Origin For | | | | | | <u> </u> | ive | | | | | 33 |
| ber ype | vere | Co | h In | | | ch Major Unit | | | CS | hic | ram | ppm | oress gth | ture | % | <u> </u> | icity | / men |
| Number and Type | Recovered (in) | Blow Counts | Depth In Feet | | | | | | OS O | Graphic Log | Well Diagram | PID (ppm) | Compressive Strength | Moisture Content | G/S/F % | Color | Plasticity Index | RQD/ Comments |
| 1 | 24 | 1 | | Lean | clay; reddish br | own to dark brown; m | noist; | | | | | 0.5 | 0.75 | 2 0 | <u> </u> | | | |
| SS∐ 1 | 10.8 | 1 2 | F | orgar | nics present; ver | y soft; medium stiff; (| fill). | | | | | | | | | | | |
| | | 2 | F | | | | | | | | | | | | | | | |
| 2 SS 1 | 24 | 1 | <u>-</u> 5 | | | | | | CL | | | 0.4 | 1.5 | | | | | |
| SS 🔼 1 | 14.4 | 2 4 | - | | | | | | | | | | | | | | | |
| | | 4 | F | | | | | | | | | | | | | | | |
| 3 SS 1 | 24 | 1 | _10 | Fat c | lay; reddish brov | wn; moist 10-57'. | | | | | | 0.4 | 1.5 | | | | | |
| SS 🔼 1 | 15.6 | 2 5 | - | | mottling and orges 10-20'. | ganics-roots 10-15'. N | Mediun | n | | | | | | | | | | |
| | | 5 | F | | | | | | | | | | | | | | | |
| 4 🗸 | 24 | 1 | - 15 | | | | | | | | a I | 0.4 | 1 | | | | | |
| SS∐ 1 | 16.8 | 2 4 | - | | | | | | | | | | | | | | | |
| | | 4 | F | | | | | | | | | | | | | | | |
| 5 SS 2 | 24 20.4 | 1 | -20 | | | | | | | | | 0.4 | 0.75 | | | | | |
| SS _[] 2 | 20.4 | 1 3 | - | Gray 20-40 | | ice coarse sand 20-55 | 5'. Soft | t | | | | | | | | | | |
| | | 3 | F | | | | | | | | | | | | | | | |
| 6 SS | 24 | 1 | 25 - | | | | | | СН | | | 0.3 | 0.75 | | | | | |
| SSM | 24 | 1 4 | L | | | | | | | | | | | | | | | |
| | | 4 | F | | | | | | | | | | | | | | | |
| 7 SS | 24 | 1 | - 30 | Medi | um stiffness 40- | 57'. | | | | | a I | 0.0 | 0.5 | | | | | |
| SSM | 24 | 1 2 | L | | | | | | | | | | | | | | | |
| | | 4 | F | | | | | | | | | | | | | | | |
| | 24 | 1 | —35 – | | | | | | | | | 0.0 | 0.5 | | | | | |
| SSM | 24 | 2 | E | | | | | | | | | | | | | | | |
| | | 4 | - | | | | | | | | | | | | | | | |
| | | - 41 4 | 41 : 6- | | 41:- C · · · | | 4 C | 1 | 1 1 | 7777 | | | | | | | | |
| Signature | | y tnat | A | | · A . // B · A | rue and correct to the b | | | | | | | | | | | | |
| 2.6.10.01 | ٠, | 1 | M | MJ | Muss r | 1/1 Ba | ırr Enş | ginee | ring | CO. | | | | | | | | Tel: Fax: |

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Form 4400-122A

| Boring | Numb | er | MW | V-5B Use only as an attachment to F | orm 44 | 00-122. | | | | | Pag | ge 2 | of | 2 |
|--------------------|---------------------------------|-------------|----------------|--|--------|----------------|------|----------------------|-------------------------|---------------------|---------|--------|---------------------|------------------|
| Sam | | | | | | | | | | Soil | Prope | erties | | |
| | (E). | S | et | Soil/Rock Description | | | | | l o | | | | | |
| | Att. | ount | n Fe | And Geologic Origin For | | | | u a | SSIV | 9 | ,, | | | nts |
| nber Typ | gth over | Blow Counts | Depth In Feet | Each Major Unit | CS | phic | _ | Diagram PID (ppm) | npre ngth | stur | G/S/F % | or | ticit | J/ ame |
| Number and Type | Length Att. & Recovered (in) | Blo | Dep | | S O | Graphic Log | Well | Diagram PID (ppm | Compressive Strength | Moisture Content | S/S | Color | Plasticity Index | RQD/ Comments |
| 9 SS | 24 | 3 | _ | Fat clay; reddish brown; moist 10-57'. (continued) | | | | 0.0 | 1 | | | | | |
| 5511 | 12 | 3 3 | - | Trace gravel 40-45'; little gravel 45-55'. | | | | | | | | | | |
| | | 4 | _ | | | | | | | | | | | |
| 10 SS | 24 | 2 | —45 – | | | | | 0.0 | 0.5 | | | | | |
| ss⊠ | 8.4 | | - | | | | | | | | | | | |
| | | | - | | СН | | | | | | | | | |
| 11 🕅 | 24 | 15 | 50 | | | | | 0.0 | 1 | | | | | |
| 11 SS | 12 | 4 | - | | | | | | | | | | | |
| | | 4 4 | _ | | | | | | | | | | | |
| 12 | 57 | 7 | 55 | | | | | 0.0 | 0.75 | | | | | |
| 12 SS | 11 | 4 | _ | | | | 1 | | 0.73 | | | | | |
| IΛI | | 4 4 | | End of boring 57 feet below ground surface. | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | |
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SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

| | | | <u>Rc</u> | | | 'astewater □ Redevelopment ⊠ | | Waste N | _ | ement | | | | | | | | |
|--------------------|------------------------------|-------------|-----------------|--------------------------------------|------------------------|--|--------|----------|---------|----------------|-----------------|-----------|-------------------------|---------------------|------------|-------|---------------------|------------------------|
| | | | | | | | | | | | | | | | Pag | e 1 | of . | 2 |
| Facility | | | | | | | | icense/P | | | | | | Boring | Numbe | er | | |
| Enb | ridge | Grou | ındwa | ter Monitoring f crew chief (firs | g Prog | ram | | Enbrio | | | r Ter | | te Drilli | C | | W-61 | | M-4b - 4 |
| _ | dy O | - | Name o | i crew chief (firs | st, iast) ai | na rirm | D | ate Dril | iing St | arted | | Da | te Drilli | ng Con | ipietea | | | ng Method llow stem |
| | | | neerin | g | | | | | 10/27 | 7/2015 | | | 1 | 0/27/2 | 2015 | | | ger |
| WI Un | | | | DNR Well ID | No. | Common Well Name | e Fi | nal Stat | ic Wat | ter Leve | 1 | Surfac | e Elevat | | | Вс | rehole | Diameter |
| | | | | | | MW-6B | | | | | | | | .2 Fee | | | 8.0 | inches |
| Local C State 1 | | rigin | ☐ (e | stimated: () | | ing Location 🖂 E S/C/N | | Lat | 46 | ° 41 | | 2.1" | Local C | Grid Loc | | | | |
| SW | | of N | ΓΕ 1 | /4 of Section | 36, | T 49 N, R 14 W | v | | -92 | ° 3 | ' 4 | 12.7" | | Feet | □ N □ S | | I | □ E Feet □ W |
| Facility | | - | | County | | | Cou | ınty Coo | de | Civil To | own/Ci | ty/ or V | Village | | | | | |
| | | | | Doug | las | | 16 | | | Super | rior | | 1 | | | | | |
| San | nple | - | | | | | | | | | | | | Soil I | Prope | rties | | |
| | %. (ii) | ıts | eet | | | ock Description | | | | | | | ę | | | | | |
| r pe | Att | uno? | ln F | | | cologic Origin For | | | S | ွ | _ | (md | essiv | re t | % | | ity | ents |
| Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth In Feet | | Eac | ch Major Unit | | | SC | Graphic Log | Well Diagram | PID (ppm) | Compressive Strength | Moisture Content | G/S/F % | Color | Plasticity Index | RQD/ Comments |
| ğ ğ | | | De | 01 | ! - 4 ! | 11. h | L | | n | Grap Log | W Di | 0.0 | <u>S</u> ± S | Σ̈́S | ď. | ŭ | Ple | ∑ S |
| ss 🛚 | 24 9.6 | 1 2 | L | moist; roots p | | il; brown to reddish b fill). | orown; | | | | | 0.0 | 1.5 | | | | | |
| | | 3 4 | - | | | | | | OL/OH | | | | | | | | | |
| - [| | | - 5 | | | | | | | | | | | | | | | |
| ss 🛚 | 24 9.6 | 1 2 | - | Fat clay; redd 1-2 mm thick | dish brov gray silt | vn; moist; trace grav t lenses 5-22'. | /el. | | | | | 0.0 | 1.5 | | | | | |
| | | 3 | F | | 0 , | | | | | | | | | | | | | |
| | | | - 10 | | | | | | | | | | | | | | | |
| ss 🛚 | 24 14.4 | 1 2 | - 10 | | | | | | | | | 0.0 | 0.75 | | | | | |
| 00 | | 3 | | | | | | | | | | | | | | | | |
| | | 3 | - 15 | | | | | | | | | | | | | | | |
| ss X | 24 20.4 | 4 2 | - 13 | | | | | | | | | 0.0 | 1.75 | | | | | |
| 33 🔼 | 20.4 | 2 | - | | | | | | | | | | | | | | | |
| | | 4 | - 20 | | | | | | | | | | | | | | | |
| 5 SS | 24 20.4 | 5 1 | 20 - | | | | | | | | | 0.0 | 1.5 | | | | | |
| 33/_ | 20.4 | 2 | L | | | | | | СН | | | | | | | | | |
| | | 4 | - 05 | | | | | | | | | | | | | | | |
| 6 SS∑ | 24 24 | WOH | 25 | | | | | | | | | 0.0 | 1.5 | | | | | |
| 33 <u> </u> _ | 24 | 2 | | | | | | | | | | | | | | | | |
| | | 4 | - | | | | | | | | | | | | | | | |
| 7 SS | 24 | 1 | -30 - | | | | | | | | | 0.0 | 1 | | | | | |
| SSI | 24 | 2 2 3 | - | | | | | | | | | | | | | | | |
| | | 3 | F | | | | | | | | | | | | | | | |
| 8 SS | 24 | 1 | —35 - | Light gray mo | ottling 35 | 5-56'. | | | | | | 0.0 | 0.75 | | | | | |
| ss⊬ | 24 | 1 2 | - | | | | | | | | | | | | | | | |
| | | 3 | F | | | | | | | | | | | | | | | |
| | | | -4 0 | | | | | | | | | | | | | | | |
| | - | fy that | the info | rmation on this f | form is tr | rue and correct to the l | | | | | | | | | | | | |
| Signati | ıre | 1 | bel | le Scel | lina | Firm Ba | arr E | ngine | ering | Co. | | | | | | | | Tel: Fax: |

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SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A

| Boring | g Num | ber | MW | V- $6B$ Use only as an attachment to | Form 44 | 00-122 | 2 | | | | | | | of . | 2 |
|--------------------|---------------------------------|-------------|---------------|---|---------|---------|------|---------|-----------|-------------------------|---------------------|---------|--------|---------------------|------------------|
| San | _ | | | | | | | | | | Soil | Prope | erties | | |
| | t. & l (in) | nts | eet | Soil/Rock Description | | | | | _ | ve | | | | | 70 |
| er ype | h Ati 'ered | Com | In F | And Geologic Origin For Each Major Unit | S | ic | | am | (mdc | ressi gth | ure | % | ١. | city | nents |
| Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth In Feet | Each Major Onit | USC | Graphic | Well | Diagram | PID (ppm) | Compressive Strength | Moisture Content | G/S/F % | Color | Plasticity Index | RQD/ Comments |
| 9 88 | 24 24 | 1 | | Fat clay; reddish brown; moist; trace gravel. | + - | | | | 0.0 | 1.25 | 20 | | | H | <u> </u> |
| SS⊬∖ | 24 | 1 3 | L | (continued) | | | | | | | | | | | |
| | | 3 | - 4- | | | | | | | | | | | | |
| 10 SS | 24 24 | WOH 1 | -45 - | | | | | | 0.0 | 1.25 | | | | | |
| 00/_ | | 1 3 | - | | СН | | | | | | | | | | |
| | | | - 50 | | CH | | | | | | | | | | |
| 11 SS | 24 24 | 1 2 | _ | | | | | | 0.0 | 1.25 | | | | | |
| | | 3 5 | L | Lenses of light fine clayey sand 55-56'. | | | | | | | | | | | |
| 12 🗸 | 24 | 1 | 55 | | | | | | 0.0 | 1.75 | | | | | |
| 12 SS | 24 | 1 3 | F | End of boring 57 feet below ground surface. | | | | | | | | | | | |
| | | 6 | | End of borning of feet below ground surface. | | | | | | | | | | | |
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| | | I | I | I | I | 1 | ı | I | | 1 | I | I | I | 1 | |

| State of Wisconsin Department of Natural Resources Route To: | | Vastewater | Waste Mana | agement \square | MONITORING WELL CONST Form 4400-113A Rev. | |
|--|---|------------------------------------|-----------------|--|---|---------------------|
| Eilit-/Du-it N | | /Redevelopment 🗵 | Other | | Form 4400-113A Rev. 'Well Name | /-98 |
| Facility/Project Name | Local Grid Lo | ation of well \square N. | . 1 | □ E. | | |
| Enbridge Groundwater Monitoring Program Facility License, Permit or Monitoring No. | | □ N. _ft. □ S. gin □ (estimated: | | | MW-22B Wis. Unique Well No. DNR We | ll Number |
| Enbridge Superior Terminal | Lat. $\phantom{00000000000000000000000000000000000$ | 41'0.6" Lo | ng. <u>-92°</u> | 3' 11.3" or | | |
| Facility ID | St. Plane | ft. N, _ | | ft. E. S/C/N | Date Well Installed | |
| T. CW/II | Section Locati | on of Waste/Source | | | 10/21/2015 | 1.5. |
| Type of Well | NW_1/4 of | SW 1/4 of Sec3 | 31 T. 49 | N. R14 □ E W | Well Installed By: (Person's Nam | e and Firm) |
| Well Code 12/pz Distance from Waste/ Enf. Stds. | Location of W | ell Relative to Waste/S | Source | Gov. Lot Number | Randy Ochs | |
| Source ft. Apply | | gradient n 🗆 N | | | Coleman Engineering | g |
| A. Protective pipe, top elevation | ft. MSL | | ¬ī ∕ | Cap and lock? | | Yes □ No |
| B. Well casing, top elevation 65 | 8.35 ft. MSL | | 2. | Protective cover p a. Inside diameter | | 4.0_ in. |
| C. Land surface elevation | 55.5 ft. MSL | | | b. Length: | | 5.0 ft. |
| D. Surface seal, bottom 650.5 ft. MSL | or 5.0 f | t The second | 182821 | c. Material: | | eel 🛛 04 |
| 12. USCS classification of soil near screen: | | | | d. Additional prot | | her □ □ Yes □ No |
| | V□ SP□ | | X | If yes describe | (3) 3" x 7' Steel Bollards | IG L NO |
| | L CH 🗵 | | | | Benton | ite 🛛 3 0 |
| Bedrock □ | | | `3. | Surface seal: | | ete \square 01 |
| 13. Sieve analysis attached? ☐ Ye | s 🛮 No | | | | Otl | |
| 14. Drilling method used: Rotar | y □ 5 0 | | | | well casing and protective pipe: | |
| Hollow Stem Auge | • | | | | Benton | ite □ 30 |
| _ | er 🗆 | | | | Sand Otl | ner 🛛 |
| | | | 5. | Annular space sea | al: a. Granular/Chipped Benton | ite 🗆 33 |
| | ir 🗆 0 1 | | XX | - | nud weight Bentonite-sand slu | |
| Drilling Mud □ 0 3 Nor | e ⊠99 | | ₿ c | 1Lbs/gal m | nud weight Bentonite slu | rry ⊠ 31 |
| 16 Duilling additives yead? | a MNa | | d | % Benton | | |
| 16. Drilling additives used? ☐ Ye | s 🖾 No | | e e | 13.4 Ft ³ | volume added for any of the above | |
| Describe | | | f | . How installed: | | nie □ 01 |
| 17. Source of water (attach analysis, if required |). | | | | Tremie pump | |
| (unuon analysis, in required |). | | | | | rity 🗆 08 |
| | | J | 6. | Bentonite seal: | 2 | |
| | | | X | | 3/8 in. □ 1/2 in. Bentonite ch | |
| E. Bentonite seal, top ft. MSL | or | ft. | / 7 | | Otl l: Manufacturer, product name & r | |
| F. Fine sand, top609.5_ ft. MSL | or <u>46.0</u> | ft. | 7. | a1 | Red Flint, Filter Sand #15 | liesii size |
| 600.5 | 47.0 | \ \ \ \ \ \ | (| b. Volume added | | |
| G. Filter pack, top 608.5 ft. MSL | | | 8. | - | al: Manufacturer, product name & Red Flint, Filter Sand #40 | mesh size |
| H. Screen joint, top 606.5 ft. MSL | or <u>49.0</u> | ft. | | b. Volume added | | |
| 601.5 | 540 | | 9. | Well casing: | Flush threaded PVC schedule | |
| I. Well bottom 601.5 ft. MSL | or54.0 | ft. < | | | Flush threaded PVC schedule | |
| J. Filter pack, bottom 600.5 ft. MSL | or55.0 | ft. | 10. | Screen material: | **** | ner 🗆 🔛 |
| | | 11111 | | a. Screen Type: | Factory | cut ⊠ 11 |
| K. Borehole, bottom598.5 ft. MSL | or57.0 | ft. | | | Continuous s | |
| L. Borehole, diameter8.0 in. | | | 24 | b. Manufacturer | | |
| | | | | c. Slot size: | | in. |
| M. O.D. well casing 2.38 in. | | | | d. Slotted length: | | 5.0 ft. |
| | | | `11. | Backfill material (| 1 / | one 🛛 14 |
| N. I.D. well casing <u>2.00</u> in. | | | | | Otl | her 🗆 🔛 |
| | | | | | | |
| I hereby certify that the information on this form | | F: | | | | |
| Signature | 17 | Firm Barr Engineer | ing Co. | | | Tel: Fax: |

| State of Wisconsin Department of Natural Resources Route To: | Watershed/Wastewater | Waste Manage | ement | MONITORING WELL CONST | RUCT | TION |
|--|--|---|--|---|----------|---|
| Noute 10. | Remediation/Redevelopment | | | Form 4400-113A Rev. 7- | | |
| Facility/Project Name | Local Grid Location of Well | | E | Well Name | | |
| Enbridge Groundwater Monitoring Program | ☐ N. ft. ☐ S Local Grid Origin ☐ (estimate | ft. 📑 ; | W. | MW-23B | N. 1 | |
| Facility License, Permit or Monitoring No. | Lat. <u>46° 41' 11.7"</u> I | | | Wis. Unique Well No. DNR Well | | ber |
| Enbridge Superior Terminal Facility ID | 1 | • | | Date Well Installed | | |
| - womey 12 | St. Plane ft. N, Section Location of Waste/Source | ft. | . E. S/C/N | 10/20/2015 | | |
| Type of Well | 1 | | D 14 BBW | Well Installed By: (Person's Name | and F | irm) |
| Well Code 12/pz | SE_1/4 of NW_1/4 of Sec Location of Well Relative to Wast | e/Source Gov | v. Lot Number | Randy Ochs | | |
| Distance from Waste/ Source ft. Enf. Stds. Apply | u □ Upgradient s □ | Sidegradient Not Known | | Coleman Engineering | | |
| A. Protective pipe, top elevation | ft. MSL | 1. Ca | ap and lock? | | es 🗆 | No |
| B. Well casing, top elevation 64 | 46.22 ft. MSL | | rotective cover pi Inside diameter: | | 4 | 4.0 in. |
| | 643.5 ft. MSL | | Length: | | 5 | 5.0 ft. |
| | | <u> </u> | Material: | Ste | el 🖂 | |
| | or <u>5.0</u> ft. | | | | er 🗆 | |
| 12. USCS classification of soil near screen: | | d. | Additional prote | ection? \boxtimes Y (3) 3" x 7' Steel Bollards | es 🗆 | No |
| | W□ SP□ L□ CH⊠ | | | Bentoni | — te⊠ | 3.0 |
| Bedrock □ | | `3. St | urface seal: | Concre | | |
| 13. Sieve analysis attached? | es ⊠ No | _ \ _ | | Othe | er 🗆 | |
| | ry □ 5 0 | `4. M | laterial between v | well casing and protective pipe: | _ | |
| Hollow Stem Aug Oth | er | | | Sand Bentonii Otho | | 000000000000000000000000000000000000000 |
| Our | | 5 1 | nnular anaga gaal | l: a. Granular/Chipped Bentonii | _ | |
| 15. Drilling fluid used: Water □ 0 2 A | ir □ 0 1 | | | ud weight Bentonite-sand sluri | | |
| Drilling Mud □ 0 3 Nor | ne ⊠99 | | | ud weight Bentonite sluri | | |
| 16. Drilling additives used? ☐ You | es ⊠ No | d | % Bentoni | | at 🗆 | 5 0 |
| To. Briming duality of disea. | | e f. | How installed: | volume added for any of the above | ie 🗆 | 0.1 |
| Describe | | 1. | now installed. | Tremie pumpe | | |
| 17. Source of water (attach analysis, if required | l): | | | Gravit | | |
| | | 6. Be | entonite seal: | a. Bentonite granule | es 🗆 | 3 3 |
| | | | | 3/8 in. □ 1/2 in. Bentonite chip | | |
| E. Bentonite seal, top ft. MSL | or ft. \ | KXX / | | Otho | | |
| F. Fine sand, top 597.5 ft. MSL | or 46.0 ft. | a. | R | Red Flint, Filter Sand #15 0.4 ft ³ | | |
| G. Filter pack, top596.5 ft. MSL | or <u>47.0</u> ft. | (S) / D. | Volume added | I: Manufacturer, product name & n | nesh si | ize |
| G. Fitter pack, top | or n. | a. | n | Red Flint, Filter Sand #40 | icon or | ize |
| H. Screen joint, top594.5 ft. MSL | or <u>49.0</u> ft. | 1888 | Volume added | ft ³ | | |
| 500.5 | 540 | 9. W | ell casing: | Flush threaded PVC schedule 4 | | 2 3 |
| I. Well bottom589.5 ft. MSL | or54.0 ft | | | Flush threaded PVC schedule 8 | | |
| J. Filter pack, bottom588.5 ft. MSL | or55.0 ft. | 10. Sc | creen material: | PVC Other | er 🗆 | |
| 500 5 | 55.0 | a. | Screen Type: | Factory co | | |
| K. Borehole, bottom588.5 ft. MSL | or55.0 ft. | | | Continuous slo | | |
| L. Borehole, diameter8.0 in. | | | Manufacturer | Hole Products | er 🗆 | |
| E. Borenoie, diameter iii. | | \ | Slot size: | | | 10 in. |
| M. O.D. well casing 2.38 in. | | \ | Slotted length: | | | 5.0 ft. |
| 200 | | `11. Ba | ackfill material (ł | below filter pack): Nor | | 1 4 |
| N. I.D. well casing 2.00 in. | | _ | | Otho | er 🗆 | |
| I hereby certify that the information on this form | n is true and correct to the best of m | ny knowledge | | | | |
| Signature Signature | Firm Barr Engine | | | | | Tel: |
| -1 "/5W/(/~ Y//, N)/ | Han | <i>3</i> | | | | E |

| State of Wisconsin Department of Natural Resources Route To: | Watershed/Wa | | Waste Mana | igement \square | MONITORING WELL CONS | STRUCTION |
|--|-------------------|--|-------------------------|--|--|--------------------------------------|
| | | Redevelopment 🛛 | Other | | | . 7-98 |
| Facility/Project Name | Local Grid Local | tion of Well | ١ | ∃ E. | Well Name | |
| Enbridge Groundwater Monitoring Program Facility License, Permit or Monitoring No. | | \square Nft. \square S. in \square (estimated: | | | MW-24A Wis. Unique Well No. DNR W | ell Number |
| Enbridge Superior Terminal | Lat. <u>46°</u> | 41' 25.3" Long | g. <u>-92°</u> | 3' 22.4" or | | |
| Facility ID | St. Plane | ft. N, | | ft. E. S/C/N | Date Well Installed | |
| T. CYV. II | | n of Waste/Source | | | 10/22/2015 | |
| Type of Well | NE_1/4 of N | <u>NE</u> 1/4 of Sec36 | 5. T. 49 | N. R14 □ E W | Well Installed By: (Person's Nar | ne and Firm) |
| Well Code 11/mw Distance from Waste/ Enf. Stds. | Location of Well | l Relative to Waste/So | ource (| Gov. Lot Number | Randy Ochs | |
| Source ft. Apply | | radient n □ No | ot Known | | | |
| A. Protective pipe, top elevation | ft. MSL - | • | T / | Cap and lock? | | Yes □ No |
| B. Well casing, top elevation 65 | 51.69 ft. MSL | | 2. | Protective cover p a. Inside diameter: | | in. |
| C. Land surface elevation | 649.1 ft. MSL - | | • | b. Length: | | 5.0 ft. |
| D. Surface seal, bottom 645.1 ft. MSL | or <u>4.0</u> ft. | | 16.216.21 16.016.016 | c. Material: | | Steel 🛛 04 Other 🗆 |
| 12. USCS classification of soil near screen: | | | | d. Additional prote | ection? | Yes □ No |
| | V□ SP□ | \ <u>\</u> | • \ | If yes, describe | (3) 3" x 7' Steel Bollards | |
| SM SC ML MH CB | L□ CH⊠ | | 3. | Surface seal: | | onite ⊠ 30 |
| | es 🛮 No | | | | Conc | erete 0 1 |
| - | y □ 5 0 | | 4. | | well casing and protective pipe: | uici 🗀 |
| Hollow Stem Auge | - | | | | Bento | onite 30 |
| Other | er 🗆 📗 | | | | Sand | ther 🗵 |
| 15 D.W. G.H. I. W | | | XI | - | a. Granular/Chipped Bento | |
| 15. Drilling fluid used: Water □ 0 2 A Drilling Mud □ 0 3 Nor | ir □01 | | | | nud weight Bentonite-sand sl | |
| Drining widd 🗆 0 5 Noi. | | | | _ | nud weight Bentonite sl | |
| 16. Drilling additives used? ☐ Ye | es ⊠ No | | d. e. | % Benton | ite Bentonite-cement g volume added for any of the abov | |
| | | | f | | | emie 🗆 01 |
| Describe | | | | | | nped \square 02 |
| 17. Source of water (attach analysis, if required |): | | X | | _ | vity 🛭 08 |
| | | | 6. | Bentonite seal: | a. Bentonite gran | ules 3 3 |
| | | | | b. □ 1/4 in. □ | $3/8$ in. \square $1/2$ in. Bentonite c | hips 32 |
| E. Bentonite seal, top 649.1 ft. MSL | or f | ft. | 7 | | O l: Manufacturer, product name & | |
| F. Fine sand, top645.1_ ft. MSL | or 4.0 f | ft. | //' | aI | Red Flint, Filter Sand #15 | |
| G E'k 1 4 644 1 g Mgr | 5.0 | / KA K | ¥ / | | ft ³ al: Manufacturer, product name & | k maala aisa |
| | or5.0 f | | 8. | aI | Red Flint, Filter Sand #40 | t mesn size |
| H. Screen joint, top 643.1 ft. MSL | or6.0 f | ft. | | | ft ³ | |
| I Wall bottom 633 1 & MCI | or <u>16.0</u> f | | 9. | Well casing: | Flush threaded PVC schedul | |
| I. Well bottom 633.1 ft. MSL | or <u>10.0</u> 1 | | | | Flush threaded PVC schedul | e 80 □ 2.4 Other □ |
| J. Filter pack, bottom632.1 ft. MSL | or17.0_ f | ft | 10. | Screen material: | PVC | |
| K. Borehole, bottom 631.1 ft. MSL | or18.0 f | a . | | a. Screen Type: | - | cut \boxtimes 11 slot \square 01 |
| R. Borenoie, bottom | 01 1 | | | | | ther \square |
| L. Borehole, diameter8.0 in. | | | <u>R</u> | b. Manufacturer | Hole Products | 0.010 |
| M O D . II | | | | c. Slot size:d. Slotted length: | | 0.010 in. 10.0 ft. |
| M. O.D. well casing 2.38 in. | | | 11 | | | $\frac{10.0}{\text{None}}$ It. |
| N. I.D. well casing 2.00 in. | | | 11. | | • / | Other 🗆 |
| ···· | | | | | | |
| I hereby certify that the information on this form | is true and corre | ect to the best of my k | nowledge. | | | _ |
| Signature | U ∧₁ Fi | irm Barr Engeering | Co. | | | Tel: |
| | V 1 | | | | | Fax: |

| State of Wisconsin Department of Natural Resources Route To: | Watershed/Wastewater | Waste Management | MONITORING WELL CONSTR | UCTION |
|--|--|--|--|---------------|
| Route To. | Remediation/Redevelopment | Other | Form 4400-113A Rev. 7-9 | |
| Facility/Project Name | Local Grid Location of Well | ПЕ | Well Name | |
| Enbridge Groundwater Monitoring Program Facility License, Permit or Monitoring No. | ft. N. ft. S. Local Grid Origin (estimated: | | MW-24B Wis. Unique Well No. DNR Well N | Number |
| Enbridge Superior Terminal | Lat. <u>46° 41' 25.4"</u> Lor | ng. <u>-92°</u> <u>3'</u> <u>22.3"</u> or | | |
| Facility ID | St. Plane ft. N, _ | ft. E. S/C/N | Date Well Installed | |
| Type of Well | Section Location of Waste/Source | □E | Well Installed By: (Person's Name a | nd Firm) |
| Well Code 12/pz | <u>NE</u> 1/4 of <u>NE</u> 1/4 of Sec3 | <u>66</u> , T. <u>49</u> N, R. <u>14</u> ⊠ W | Randy Ochs | na i mm) |
| Distance from Waste/ Source Enf. Stds. Apply | Location of Well Relative to Waste/S u ⊠ Upgradient s □ S d □ Downgradient n □ N | idegradient | Coleman Engineering | |
| A. Protective pipe, top elevation | ft. MSL | 1. Cap and lock? | | s 🗆 No |
| . | 51.45 ft. MSL | 2. Protective cover para. Inside diameter | | 4.0 in. |
| C. Land surface elevation | 548.9 ft. MSL | b. Length: | - | 5.0 ft. |
| D. Surface seal, bottom 643.9 ft. MSL | or <u>5.0</u> ft. | c. Material: | Steel Other | □ □ □ |
| 12. USCS classification of soil near screen: | | d. Additional prot | tection? Yes | s 🗆 No |
| | W□ SP□ L□ CH⊠ | If yes, describe | 2: (3) 3" x 7' Steel Bollards Bentonite | — □ ⊠ 30 |
| Bedrock □ | | 3. Surface seal: | Concrete | |
| | es 🛮 No | XX \ | Other | |
| | y □ 5 0 | `4. Material between | well casing and protective pipe: Bentonite | □ 30 |
| Hollow Stem Augo | er 🗆 | | Sand Other | |
| | | 5. Annular space sea | al: a. Granular/Chipped Bentonite | □ 33 |
| | ir □ 0 1 | bLbs/gal n | nud weight Bentonite-sand slurry | □ 35 |
| Drilling Mud □ 0 3 Nor | ne ⊠99 | | nud weight Bentonite slurry | |
| 16. Drilling additives used? ☐ Ye | es ⊠ No | | nite Bentonite-cement grout volume added for any of the above | □ 50 |
| | | f. How installed | | 01 |
| Describe | <u></u> | | Tremie pumped | |
| 17. Source of water (attach analysis, if required |). | | • | 0 8 |
| | | 6. Bentonite seal: | a. Bentonite granules $3/8$ in. $\square 1/2$ in. Bentonite chips | |
| E. Bentonite seal, top ft. MSL | or ft. | c | Other | |
| F. Fine sand, top611.4 ft. MSL | or37.5 ft. | a | nl: Manufacturer, product name & mes Red Flint, Filter Sand #15 | III SIZE |
| G. Filter pack, top 609.9 ft. MSL | or <u>39.0</u> ft. | b. Volume added | ial: Manufacturer, product name & me | esh size |
| d. Their pack, top it. MSL | 01 1t. | / | Red Flint, Filter Sand #40 | JII SIZE |
| H. Screen joint, top 607.9 ft. MSL | or <u>41.0</u> ft. | b. Volume added | | |
| (02.0 | 460 | 9. Well casing: | Flush threaded PVC schedule 40 | |
| I. Well bottom 602.9 ft. MSL | or <u>46.0</u> ft. | | Flush threaded PVC schedule 80 | |
| J. Filter pack, bottom 601.9 ft. MSL | or <u>47.0</u> ft. | 10. Screen material: | | |
| K. Borehole, bottom 601.9 ft. MSL | or <u>47.0</u> ft. | a. Screen Type: | Factory cut Continuous slot | |
| R. Borenoie, bottom | 01 11. | | Other | |
| L. Borehole, diameter8.0 in. | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | b. Manufacturer | Hole Products | |
| • • • | | c. Slot size: | | 0.010 in. |
| M. O.D. well casing 2.38 in. | | d. Slotted length: | | 5.0 ft. ⊠ 1 4 |
| N. I.D. well casing <u>2.00</u> in. | | 11. Dackiiii iiiatetiäi (| (below filter pack): None Other | |
| I hereby certify that the information on this form | n is true and correct to the best of my | knowledge | | |
| G: | T. | | | Tel: |
| Signature Amm PM No. | Buil Englice | | | Fav. |

| State of Wisconsin Department of Natural Resources Route To: | Watershed/Wastewater | Waste Mana | gement | MONITORING WELL CONST | RUCT | ION |
|--|---|------------------------|--|---|--------------|------------------|
| 110010 10. | Remediation/Redevelopment | | | Form 4400-113A Rev. 7- | .98 | |
| Facility/Project Name | Local Grid Location of Well | Г | ¬F | Well Name | | |
| Enbridge Groundwater Monitoring Program | ft. N. Local Grid Origin (estimate | ft. [| Ŭ. ₩. | MW-25A | N T 1 | |
| Facility License, Permit or Monitoring No. | | | | Wis. Unique Well No. DNR Well | | ber |
| Enbridge Superior Terminal Facility ID | Lat. <u>46° 41' 40.2"</u> I | _ | | Date Well Installed | | |
| Tuesticy IE | St. Plane ft. N, Section Location of Waste/Source | | ft. E. S/C/N | 10/28/2015 | | |
| Type of Well | 1 | | □ E | Well Installed By: (Person's Name | and Fi | irm) |
| Well Code 11/mw | NE_1/4 of SW_ 1/4 of Sec. Location of Well Relative to Wast | | N, R. <u>14</u> ⊠ W Gov. Lot Number | Randy Ochs | | |
| Distance from Waste/ Source Enf. Stds. Apply | u ⊠ Upgradient s □ | Sidegradient Not Known | | Coleman Engineering | | |
| A. Protective pipe, top elevation | ft. MSL | 1. | Cap and lock? | | es 🗆 | No |
| B. Well casing, top elevation6. | 38.31 ft. MSL | | Protective cover pi a. Inside diameter: | | 4 | .0 in. |
| - · | 635.9 ft. MSL | | a. Inside diameter: b. Length: | | | .0 ft. |
| | | la | c. Material: | Ste | el 🖂 | |
| D. Surface seal, bottom 631.9 ft. MSL | or <u>4.0</u> ft. | No. 200 220 | | | er 🗆 | |
| 12. USCS classification of soil near screen: | | · Auconon | d. Additional prote | ection? \boxtimes Y | es 🗆 | No |
| | W□ SP □ L□ CH ⊠ | | If yes, describe: | (2) 3" x 7' Steel Bollards | | 2.0 |
| Bedrock □ | L L CH W | 3. | Surface seal: | Bentoni Concre | | |
| 13. Sieve analysis attached? ☐ Ye | es ⊠ No | | | Otho | _ | 0 1 |
| 14. Drilling method used: Rotar | ry 🗆 5 0 | 4. | Material between | well casing and protective pipe: | | |
| Hollow Stem Aug | er ⊠ 4 1 | | | Bentoni | e 🗆 | 3 0 |
| Oth | er 🗆 💮 | | | Sand Otho | er 🖂 | |
| 15 D.W. G.H. 1 W | | | | l: a. Granular/Chipped Bentonin | | |
| 15. Drilling fluid used: Water □ 0 2 A Drilling Mud □ 0 3 Nor | ir □ 0 1 | | | ud weight Bentonite-sand slurr | | |
| Drining wild 5 100 | | | Lbs/gal m | aud weight Bentonite slurr ite Bentonite-cement grou | | |
| 16. Drilling additives used? ☐ Ye | es ⊠ No | u. | | volume added for any of the above | н 🗀 | 30 |
| | | f. | | | ie 🗆 | 0 1 |
| Describe | | | | Tremie pumpe | d 🗆 | 02 |
| 17. Source of water (attach analysis, if required | 1): | | | Gravit | y 🛛 | 0 8 |
| | | KXXI / | Bentonite seal: | a. Bentonite granule | | |
| 635.0 0.167 | 0.0 0 | XXX / | | 3/8 in. □ 1/2 in. Bentonite chip Othe | | pontanonanona |
| E. Bentonite seal, top 635.9 ft. MSL | or0.0 ft. | KXX / | | : Manufacturer, product name & m | | |
| F. Fine sand, top631.9 ft. MSL | or4.0 ft. | | | Red Flint, Filter Sand #15 | 2511 512 | .0 |
| | | | b. Volume added | ft^3 | | |
| G. Filter pack, top <u>630.9</u> ft. MSL | or5.0 ft. | 8. | - | al: Manufacturer, product name & n | nesh si | ze |
| 620.0 | | 1888 | · · · | Red Flint, Filter Sand #40 | | |
| H. Screen joint, top 629.9 ft. MSL | or6.0 ft. | | b. Volume added | $\underline{\qquad \qquad 4.6 \qquad \qquad ft^3}$ | | |
| I Wall bettern 619.9 & MSI | or <u>16.0</u> ft. \ | 9. | Well casing: | Flush threaded PVC schedule 4 | | |
| I. Well bottom 619.9 ft. MSL | or — 10.0 II. | | | Flush threaded PVC schedule 8 Othe | | 2 4 |
| J. Filter pack, bottom 618.9 ft. MSL | or17.0 ft. | 10 | Screen material: | PVC | | |
| 1 / | | 84,848,4 | a. Screen Type: | Factory co | _ ıt ⊠ | 11 |
| K. Borehole, bottom618.9 ft. MSL | or17.0 ft. < | | | Continuous slo | ot 🗆 | 0 1 |
| 0.0 | | | | | er 🗆 | |
| L. Borehole, diameter8.0 in. | \(\frac{\partial}{2}\) | \ | b. Manufacturer | Hole Products | 0.01 | 10 in. |
| M. O.D. well casing 2.38 in. | | \ | c. Slot size:d. Slotted length: | | 10 | 10 in. 20 ft. |
| IVI. O.D. WEII Cashing III. | | \ | _ | below filter pack): Nor | | 1t. |
| N. I.D. well casing <u>2.00</u> in. | | | | Otho | | |
| | | | | | | |
| I hereby certify that the information on this form | 1 | ny knowledge. | | | | |
| Signature 2 | Firm Barr Engeer | ring Co. | | | | Tel: |

| State of Wisconsin Department of Natural Resources Route To: | | √astewater □ | Waste Mana | agement \square | MONITORING WELL CO | NSTRU | CTION |
|--|--------------------|--|-------------|--|---|-------------|---|
| | | Redevelopment 🗵 | Other | | | Rev. 7-98 | j |
| Facility/Project Name | Local Grid Loc | cation of Well | | ПE | Well Name | _ | |
| Enbridge Groundwater Monitoring Program Facility License, Permit or Monitoring No. | Local Grid Ori | ☐ N. ft. ☐ S gin ☐ (estimated | ft. | □ W. ell Location □ | MW-25I Wis. Unique Well No. DNR | B Well N | umber |
| Enbridge Superior Terminal | | 41' 40.2" Lo | | | | | |
| Facility ID | St. Plane | ft. N, _ | | ft. E. S/C/N | Date Well Installed | | |
| | | on of Waste/Source | | | 10/29/2015 | | |
| Type of Well | NE 1/4 of | SW 1/4 of Sec | 30 т 49 | NR 14 ⊠W | Well Installed By: (Person's I | Name an | d Firm) |
| Well Code 12/pz | | ell Relative to Waste/ | | Gov. Lot Number | Randy Och | S | |
| Distance from Waste/ Source ft. Enf. Stds. Apply | u □ Upgradd □ Down | $\begin{array}{lll} \text{dient} & \text{s} & \boxtimes & S \\ \text{gradient} & \text{n} & \square & N \end{array}$ | idegradient | | Coleman Engine | ering | |
| A. Protective pipe, top elevation | ft. MSL | | ¬ī ∕ | Cap and lock? | | ⊠ Yes | □ No |
| | 8.52 ft. MSL | | 2. | Protective cover p a. Inside diameter | | _ | 4.0 in. |
| C. Land surface elevation | 35.9 ft. MSL | | | b. Length: | | _ | 5.0 ft. |
| D. Surface seal, bottom 630.9 ft. MSL | or 5.0 ft | | 18282 | c. Material: | | | ⊠ 04 |
| | 01 10 | | | d. Additional prot | 4:0 | Other | |
| 12. USCS classification of soil near screen: | v - cn - | | X | d. Additional prot | (3) 3" x 7' Steel Bollar | ⊠ Yes | □ No |
| | V□ SP□ CH⊠ | | | | | entonite | _ ⊠ 30 |
| Bedrock □ | | | `3. | Surface seal: | | oncrete | |
| 13. Sieve analysis attached? ☐ Ye | es 🛮 No | | | | | | |
| 14. Drilling method used: Rotar | y □ 5 0 | | | | well casing and protective pipe | | |
| Hollow Stem Augu | • | | | | Be | entonite | |
| Other | er 🗆 | | | - | Sand | Other | |
| | | | 5. | Annular space sea | l: a. Granular/Chipped Be | entonite | □ 33 |
| | ir □ 0 1 | | | | nud weight Bentonite-sand | | |
| Drilling Mud □ 0 3 Nor | e ⊠99 | | | | nud weight Bentonite | | |
| 16. Drilling additives used? ☐ Ye | s 🛮 No | | ∭ d | % Benton | | | □ 50 |
| | | | e f | | volume added for any of the al | | □ 01 |
| Describe | | | I | : How installed: | Tremie p | Tremie | |
| 17. Source of water (attach analysis, if required |): | | | | - | Gravity | |
| | | | 6 | Bentonite seal: | | - | |
| | | 」 | × / °. | | $3/8$ in. \square $1/2$ in. Bentonit | | |
| E. Bentonite seal, top ft. MSL | or | ft. \ | | | | | 000000000000000000000000000000000000000 |
| F. Fine sand, top | | | 7. | Fine sand material | l: Manufacturer, product name Red Flint, Filter Sand #15 | | |
| T. Time sailed, top It. IVISE | 01 | ". | | b. Volume added | · | - | _ |
| G. Filter pack, top596.7 ft. MSL | or39.2 | ft. | .8. | | al: Manufacturer, product nam | ne & mes | sh size |
| 1 / 1 | | | | - | Red Flint, Filter Sand #40 | | |
| H. Screen joint, top 594.9 ft. MSL | or <u>41.0</u> | ft. | | b. Volume added | 2.75 ft ³ | | |
| | | | 9. | Well casing: | Flush threaded PVC sched | dule 40 | ⊠ 23 |
| I. Well bottom589.9 ft. MSL | or <u>46.0</u> | ft. < | | | Flush threaded PVC sched | dule 80 | □ 24 |
| 500.0 | 45.0 | | | | | Other | |
| J. Filter pack, bottom588.9 ft. MSL | or <u>47.0</u> | ft. | 10. | Screen material: | | | |
| 5000 | 47.0 | | | a. Screen Type: | | tory cut | |
| K. Borehole, bottom 588.9 ft. MSL | or4/.0 | ft. | | | Continuo | | 0.0000000000000000000000000000000000000 |
| L. Borehole, diameter8.0 in. | | | | b. Manufacturer | | Other | |
| L. Borehole, diameter8.0 in. | | | | c. Slot size: | 11010 1104400 | _ , | 0.010 in. |
| M. O.D. well casing 2.38 in. | | | | d. Slotted length: | | _ | 5.0 ft. |
| c.b. won caoing in. | | | 11. | Backfill material (| below filter pack): | None | |
| N. I.D. well casing <u>2.00</u> in. | | | | | | Other | |
| <i>5</i> ——— | | | | | | | |
| I hereby certify that the information on this form | is true and cor | rect to the best of my | knowledge. | | | | |
| Signature May PM | 1 | Firm Barr Engineer | ring Co. | - | - | | Tel: |
| () VIV () // W | yryy | • | - | | | | Fax: |

| State of Wisconsin Department of Natural Resources Route To: | Watershed/Wa | stewater | Waste Mana | agement \square | MONITORING WELL CONSTI | RUCTION |
|--|-------------------|---|------------------|---|---|---|
| | | Ledevelopment 🖂 | Other | | Form 4400-113A Rev. 7- | 98 |
| Facility/Project Name | Local Grid Local | tion of Well | ١ | ПE | Well Name | |
| Enbridge Groundwater Monitoring Program Facility License, Permit or Monitoring No. | Local Grid Origi | \square N. \square S. \square (estimated: | □) or We | ell Location 🖂 | MW-26 Wis. Unique Well No. DNR Well | Number |
| Enbridge Superior Terminal | Lat. <u>46°</u> | 41' 48.6" Long | g. <u>-92°</u> | 3' 3.9" or | | |
| Facility ID | St. Plane | ft. N, | | ft. E. S/C/N | Date Well Installed | |
| Type of Well | Section Location | of Waste/Source | | □E | Well Installed By: (Person's Name | and Eima |
| • • | | <u>SW</u> 1/4 of Sec30 | | N, R. <u>14</u> ⊠ W | | and Filli) |
| Well Code 11/mw Distance from Waste/ Source Hending Enf. Stds. Apply | u 🛭 Upgradi | | legradient | Gov. Lot Number | Randy Ochs Coleman Engineering | |
| 11. | ft. MSL - | radient n □ No | | Cap and lock? | | es 🗆 No |
| | 6.17 ft. MSL | | T / | Protective cover p a. Inside diameter: | ipe: | 4.0_ in. |
| C. Land surface elevation | 543.4 ft. MSL | | | b. Length: | • | ft. |
| 620.4 | | ~ | The state of the | c. Material: | Stee | el 🛛 04 |
| D. Surface seal, bottom 639.4 ft. MSL | orft. | ha i Anna i Anna | | | Othe | r 🗆 |
| 12. USCS classification of soil near screen: | | | · Aiconoir | d. Additional prote | ection? \boxtimes Y | es 🗆 No |
| | V□ SP□ | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | | If yes, describe | (3) 3" x 7' Steel Bollards | |
| SM SC ML MH C | L□ CH⊠ | | 3. | Surface seal: | Bentonit | |
| 13. Sieve analysis attached? ☐ Ye | es ⊠ No | | | | Concret Othe | |
| - | y □ 5 0 | | _4 | | well casing and protective pipe: | 1 🗀 |
| Hollow Stem Aug | - | | '. | Widterial between | | e 🗆 30 |
| Oth | | | | | Sand Othe | er 🛛 |
| | | | 5. | Annular space sea | l: a. Granular/Chipped Bentonit | e ⊠ 33 |
| | ir 🗆 0 1 | | N . | - | nud weight Bentonite-sand slurr | |
| Drilling Mud □ 0 3 Nor | e ⊠99 | | ۱, | _ | nud weight Bentonite slurr | |
| 16. Drilling additives used? ☐ Ye | es 🛮 No | | d | % Benton | | ıt 🗆 50 |
| 10. Drining additives used: | 3 410 | | e | | volume added for any of the above | |
| Describe | | | f | . How installed: | | e □ 01 |
| 17. Source of water (attach analysis, if required |): | | | | Tremie pumpe | a ⊔ 02 y ⊠ 08 |
| | | | 6 | Bentonite seal: | a. Bentonite granule | - |
| | | | / 0. | | a. Bentonite granule 3/8 in. \square 1/2 in. Bentonite chip | |
| E. Bentonite seal, top 643.4 ft. MSL | or f | a 🐰 🗎 | | | Othe | 000000000000000000000000000000000000000 |
| | or 1.0 | | 7. | Fine sand material | l: Manufacturer, product name & mo Red Flint, Filter Sand #15 | |
| r. Fille Saild, top it. MSL | 011 | · \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | | a b. Volume added | | |
| G. Filter pack, top 638.4 ft. MSL | or5.0 f | i. \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | 8. | | al: Manufacturer, product name & n | nesh size |
| | | | | - | Red Flint, Filter Sand #40 | |
| H. Screen joint, top 637.4 ft. MSL | or6.0 f | ì | | b. Volume added | $\underline{\hspace{1cm}}$ 4 $\underline{\hspace{1cm}}$ \mathfrak{ft}^3 | |
| | | | 9. | Well casing: | Flush threaded PVC schedule 4 | 0 🛭 23 |
| I. Well bottom <u>627.4</u> ft. MSL | or <u>16.0</u> f | t 🔪 🔠 | : | | Flush threaded PVC schedule 8 | 0 🗆 24 |
| | 4-0 | | | | | er 🗆 🔛 |
| J. Filter pack, bottom 626.4 ft. MSL | or17.0 f | ì | 10. | Screen material: | | |
| (2) | 17.0 | | | a. Screen Type: | Factory cu | |
| K. Borehole, bottom 626.4 ft. MSL | or17.0 f | i | | | Continuous slo | |
| 80 | | | | 1 M C 4 | Othe | ır ∐ |
| L. Borehole, diameter8.0 in. | | | | b. Manufacturerc. Slot size: | | |
| M. O.D. well casing 2.38 in. | | | | d. Slotted length: | | 10.0 ft. |
| IVI. O.D. WEII Cashing III. | | | 11 | | below filter pack): Non | n. e ⊠ 14 |
| N. I.D. well casing <u>2.00</u> in. | | | -11 | | • • | er 🗆 🗔 |
| men easing mi. | | | | | | |
| I hereby certify that the information on this form | is true and corre | ect to the best of my k | nowledge. | | | |
| Signature | Fi | irm Barr Engeering | | | | Tel: |
| Moelle Sceld | na | <i>56</i> | | | | Fax: |

| State of Wisconsin Department of Natural Resources Route To: | Watershed/Wastewater | Waste Management | MONITORING WELL CONSTR | UCTION |
|--|--|--|--|---|
| Koute 10. | Remediation/Redevelopment | Other | Form 4400-113A Rev. 7-9 | |
| Facility/Project Name | Local Grid Location of Well | ПЕ | Well Name | |
| Enbridge Groundwater Monitoring Program Facility License, Permit or Monitoring No. | | | MW-5B Wis. Unique Well No. DNR Well N | Number |
| Enbridge Superior Terminal | Lat. <u>46° 41' 17.4"</u> Lon | g. $\frac{-92^{\circ}}{}$ $\frac{3!}{}$ $\frac{3.3"}{}$ or | | |
| Facility ID | St. Plane ft. N, | ft. E. S/C/N | Date Well Installed | |
| Type of Well | Section Location of Waste/Source | □E | Well Installed By: (Person's Name a | nd Firm) |
| Well Code 12/pz | SE 1/4 of NW 1/4 of Sec. 3 | <u>l</u> , T. <u>49</u> N, R. <u>14</u> ⊠ W | Randy Ochs | |
| Distance from Waste/ Source Enf. Stds. Apply | Location of Well Relative to Waste/S u □ Upgradient s □ Si d ☒ Downgradient n □ No | degradient | Coleman Engineering | |
| A. Protective pipe, top elevation | ft. MSL | 1. Cap and lock? | | s 🗆 No |
| • . | H.20 II. MSL | Protective cover p a. Inside diameter | | 4.0 in. |
| C. Land surface elevation | 540.9 ft. MSL | b. Length: | | 5.0 ft. |
| D. Surface seal, bottom 635.9 ft. MSL | or <u>5.0</u> ft. | c. Material: | Steel Other | □ 04 |
| 12. USCS classification of soil near screen: | | d. Additional prot | tection? \(\times \text{ Yes} | s 🗆 No |
| | $W \square SP \square $ | If yes, describe | e:(3) 7' Steel T-Posts | _ |
| SM SC ML MH CB | L □ CH 🛛 | 3. Surface seal: | Bentonite | |
| 13. Sieve analysis attached? ☐ Ye | es ⊠ No | | Concrete Other | 0.0000000000000000000000000000000000000 |
| 14. Drilling method used: Rotar | ry 🗆 5 0 | X \ | well casing and protective pipe: | |
| Hollow Stem Auge | | | Bentonite | |
| Othe | er 🗆 📗 | | Sand Other | |
| 15. Drilling fluid used: Water □ 0 2 A | ir □ 0 1 | .XI - | al: a. Granular/Chipped Bentonite nud weight Bentonite-sand slurry | |
| Drilling Mud □ 0 3 Nor | | | nud weight Bentonite-sand slurry | |
| 16. Drilling additives used? ☐ Ye | e ⊠ No | d% Benton | nite Bentonite-cement grout | |
| 10. Drining additives used: | 3 410 | X | volume added for any of the above | |
| Describe | | f. How installed | Tremie pumped | \square 01 \square 02 |
| 17. Source of water (attach analysis, if required |): | | | □ 08 |
| | | 6. Bentonite seal: | a. Bentonite granules | |
| E. Bentonite seal, top ft. MSL | or ft. \ | b. 1/4 in. c. | 3/8 in. □ 1/2 in. Bentonite chips Other | 0000000000 |
| • | | 7. Fine sand materia | d: Manufacturer, product name & mes | |
| F. Fine sand, top 594.9 ft. MSL | or <u>46.0</u> ft. | a b. Volume added | Red Flint, Filter Sand #15 0.5 ft ³ | |
| G. Filter pack, top593.9 ft. MSL | or <u>47.0</u> ft. | / / | al: Manufacturer, product name & me | esh size |
| | | | Red Flint, Filter Sand #40 | |
| H. Screen joint, top591.9 ft. MSL | or <u>49.0</u> ft. | b. Volume added | | |
| I. Well bottom586.9 ft. MSL | or54.0 ft. < | 9. Well casing: | Flush threaded PVC schedule 40 Flush threaded PVC schedule 80 | |
| i. Well bottom | | | Other | |
| J. Filter pack, bottom585.9 ft. MSL | or55.0 ft. | 10. Screen material: | **** | |
| 583.0 | 57.0 | a. Screen Type: | Factory cut | |
| K. Borehole, bottom583.9 ft. MSL | or57.0 ft. | | Continuous slot Other | |
| L. Borehole, diameter8.0 in. | | b. Manufacturer | | |
| | | c. Slot size: | _ | 0.010 in. |
| M. O.D. well casing 2.38 in. | | d. Slotted length: | | 5.0 ft. |
| N. I.D. well casing <u>2.00</u> in. | | 11. Backfill material | (below filter pack): None Other | □ □ |
| I haraby partify that the information on this farm | a is true and correct to the best of1 | znowladaa | | |
| I hereby certify that the information on this form Signature | T. | | | Tel: |
| Signature | Barr Engineerii | iig CU. | | Tel: |

| State of Wisconsin Department of Natural Resources Route To: | | Vastewater | Waste Mana | agement \square | MONITORING WELL CONSTR | |
|--|------------------|--|---------------------------------------|---------------------------------------|--|---|
| E 11. /D : | | Redevelopment 🖂 | Other | | Form 4400-113A Rev. 7- | 98 |
| Facility/Project Name | Local Grid Loc | cation of Well | | □ E. | Well Name | |
| Enbridge Groundwater Monitoring Program Facility License, Permit or Monitoring No. | Legal Cuid Oui | ft. | ft. | W. | MW-6B Wis. Unique Well No. DNR Well | Namel on |
| | | | | | 1 | Number |
| Enbridge Superior Terminal Facility ID | | 41' 2.1" Lon | - | | Date Well Installed | |
| racinty in | | ft. N, | | ft. E. S/C/N | | |
| Type of Well | Section Location | on of Waste/Source | | □E | Well Installed By: (Person's Name | and Firm) |
| •• | | <u>NE</u> 1/4 of Sec. <u>3</u> | | N, R. <u>14</u> ⊠ W | / | and i mm) |
| Well Code 12/pz Distance from Waste/ Enf. Stds. | | ell Relative to Waste/S | | Gov. Lot Number | Randy Ochs | |
| Source ft. Apply | u □ Upgra | gradient n \square N | degradient | | Coleman Engineering | |
| | | gradient ii ii iv | 1. | Cap and lock? | ⊠ Ye | es 🗆 No |
| | 6.77 ft. MSL | ll ll | 2. | Protective cover p a. Inside diameter | | 4.0_ in. |
| C. Land surface elevation | 644.2 ft. MSL | | | b. Length: | | 5.0 ft. |
| | | | THE LABOR VIEW | c. Material: | Stee | el 🛛 04 |
| D. Surface seal, bottom 639.2 ft. MSL | orf1 | | | | | er 🗆 |
| 12. USCS classification of soil near screen: | | | N. CONCON | d. Additional prot | ection? | es 🗆 No |
| | W □ SP □ | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | | If yes, describe | (2) 3" x 7' Steel Bollards | _ |
| SM SC ML MH CB | L □ CH ⊠ | | 3 | Surface seal: | Bentonit | e ⊠ 30 |
| | N N | | § \ . | | | e 🗆 01 |
| | es 🛮 No | | | | Othe | r 🗆 🗀 |
| | y 🗆 5 0 | | `4. | Material between | well casing and protective pipe: | |
| Hollow Stem Aug | | | | | Sand Bentonit | e □ 30 |
| Othe | er 🗆 🗆 | | | | | |
| 15. Drilling fluid used: Water □ 0 2 A | ir □ 0 1 | | (XI | - | al: a. Granular/Chipped Bentonite | |
| Drilling Mud 0 3 Nor | | | | | nud weight Bentonite-sand slurry | |
| Dining Mad 200 No. | | | ΛΙ | | nud weight Bentonite slurr nite Bentonite-cement grou | |
| 16. Drilling additives used? ☐ Ye | es 🛮 No | | a | | volume added for any of the above | at 🗆 50 |
| _ | | | f | | | e □ 01 |
| Describe | | | 1 | . How instance. | Tremie pumpe | |
| 17. Source of water (attach analysis, if required |): | | | | | u |
| | | | 6 | Bentonite seal: | • | • |
| - | | J | Ø / °. | | $3/8$ in. \square $1/2$ in. Bentonite chip | |
| E. Bentonite seal, top ft. MSL | or | ft. | | | Othe | 000000000000000000000000000000000000000 |
| | | | 7. | Fine sand materia | l: Manufacturer, product name & me | |
| F. Fine sand, top 597.1 ft. MSL | or <u>47.1</u> | ft. | \ | u | Red Flint, Filter Sand #15 | |
| 506.0 0 1/3 | 18.2 | \ \ \ \ \ \ | X / | b. Volume added | | 1 . |
| G. Filter pack, top596.0 ft. MSL | or | II. | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | - | al: Manufacturer, product name & m Red Flint, Filter Sand #40 | lesh size |
| H. Screen joint, top 594.2 ft. MSL | or50.0 | ft. | | b. Volume added | 2.5 ft ³ | |
| | | | 9. | Well casing: | Flush threaded PVC schedule 40 | 0 🛭 23 |
| I. Well bottom589.2 ft. MSL | or <u>55.0</u> | ft. < | | | Flush threaded PVC schedule 80 | 0 🗆 24 |
| | | | _ | | | er 🗆 🗎 |
| J. Filter pack, bottom588.2 ft. MSL | or56.0 | ft | 10. | Screen material: | PVC | |
| | | 11111 | | a. Screen Type: | Factory cu | ıt 🛛 11 |
| K. Borehole, bottom587.2 ft. MSL | or <u>57.0</u> | ft | | | Continuous slo | |
| | | | | | Othe | r 🗆 🗀 |
| L. Borehole, diameter8.0 in. | | V///// | | b. Manufacturer | Hole Products | 0.010 |
| 2.20 | | | | c. Slot size: | | $\frac{0.010}{5.0}$ in. |
| M. O.D. well casing 2.38 in. | | | \ | d. Slotted length: | | 5.0 ft. |
| 200 | | | 11. | Backilli material (| ` ' | e ⊠ 14 |
| N. I.D. well casing 2.00 in. | | | | | Othe | er 🗆 💹 |
| I haraby contify that the information on the fi | ia tenza as 1 - | root to the best -f 1 | movulada- | | | |
| I hereby certify that the information on this form Signature | - | Pi | | | | |
| signature Poelle Scell | ma | Barr Engineeri | ng Co. | | | Tel: Fax: |

| | Wastewater L 1/Redevelopm | | Waste Manage Other □ | ment L | | | | | |
|---|------------------------------|------------|--|------------|--------------------|---------|------------------------|----------------------|--|
| Facility/Project Name | | ounty | Other 🗀 | | Well N | Jame | | | |
| Enbridge Groundwater Monitoring Pro | | ranty | Douglas | | VV CII 1 | · unic | MX | /-22B | |
| Facility License, Permit or Monitoring Number | Co | ounty Code | Wis. Unique V | Vell Nur | nber | | DNR Well | | |
| Enbridge Superior Terminal | | 16 | 1 | | | | | | |
| 1. Can this well be purged dry? | ⊠ Yes [| □ No | 11. Depth to V | Vater | Before | Deve | elopment | After De | evelopment |
| 2. Well development method: surged with bailer and bailed | □ 41 | | (from top well casin | of | a. | | 12.23 ft. | | 56.32 ft. |
| surged with bailer and pumped surged with block and bailed surged with block and pumped | □ 61 □ 42 □ 62 | | Date | | b. | 11/5/ | /2015 | 11 | 1/6/2015 |
| surged with block, bailed, and pumped compressed air bailed only | □ 70 □ 20 ⊠ 10 | | Time | | c. | (| □ a 03:30 ⊠ p | | □ a.m. 12:30 ⊠ p.m. |
| pumped only pumped slowly | □ 51 □ 50 | | 12. Sediment bottom13. Water clar | | Clear | □ 1 | inches | Clear □ | inches |
| other 3. Time spent developing well | | 5 min. | 13. Water clar | пу | Turbid (Descril | □ 1 | 5 | Turbid ⊠ (Describe) | 25 |
| 4. Depth of well (from top of well casing) | 57.5 | 5 ft. | | | | | y turbid rown) | Highly t (reddish | |
| 5. Inside diameter of well | 2.00 |) in. | | | | | | | |
| Volume of water in filter pack and well casing | 7.4 | l gal. | | | | | | | |
| 7. Volume of water removed from well | 10.0 |) gal. | Fill in if drillin | _ | were used | d and w | ell is at soli mg/l | d waste facil | lity: mg/l |
| 8. Volume of water added (if any) | | gal. | solids | | | | 8 | | S |
| 9. Source of water added | | | 15. COD | | | | mg/l | | mg/l |
| | | | 16. Well develo | ped by: | Person's | Name | and Firm | | |
| 10. Analysis performed on water added? | □ Yes □ | ⊠ No | N | oelle S | Scelina | | | | |
| (If yes, attach results) | | | | | | | | | |
| | | | В | arr En | gineerin | g | | | |
| 17. Additional comments on development: Well development started on the 11/5, development on the 11/6/15. | /15. Had to | stop after | r 5 minutes of | develo | oping du | ie to s | sever wea | ther. Cont | inued |
| Facility Address or Owner/Responsible Party Addre | ess | | I hereby certify | y that the | e ahove in | format | ion is true a | nd correct to | the best of my |
| Name: Karl Beaster | | | knowledge. | , and the | | | | | —————————————————————————————————————— |
| Firm: Enbridge Energy | | | Signature: _ | 12 | ell | لا چا | Scell | na | |
| Street: 1320 Grand Ave. | | | Print Name: _ | Noelle | Scelina | ì | | | |
| City/State/Zip: Superior, WI 54880 | | | Firm: _ | Barr E | ngineer | ing C | 0. | | |

| | Watershed/Wastewate | | Waste Manag | ement \square | | | | |
|---|---|-------------|------------------------------|-----------------|----------------------|------------------|---------------------|------------------------|
| | Remediation/Redevelo | | Other | | XX 11 3 7 | | | |
| Facility/Project Name | | County | D 1 | | Well Name | M | 7.2D | |
| Enbridge Groundwater Monit Facility License, Permit or Monitoring N | toring Program | County Code | Douglas Wis. Unique | Wall Num | har | DNR Well | 7-23B | |
| Enbridge Superior Te | | 16 | wis. Onique | wen num | UCI | DINK WEII | Nullioei | |
| Elloriage Superior Te | zi i i i i i i i i i i i i i i i i i i | 10 | | | | | | |
| 1. Can this well be purged dry? | ⊠ Yes | □ No | 11. Depth to | Water - | Before Dev | elopment | After De | velopment |
| Well development method: surged with bailer and bailed | □ 4 | | (from top | of | a. | 50.51 ft. | | 56.22 ft. |
| surged with bailer and pumped surged with block and bailed surged with block and pumped | □ 6 □ 4 □ 6 | 2 | Date | 1 | b. 11/6 | 5/2015 | 11 | /6/2015 |
| surged with block, bailed, and pu compressed air | □ 2 | 0 | Time | | c. | □ a 01:50 ⊠ p | | □ a.m. 02:05 ⊠ p.m. |
| bailed only pumped only pumped slowly | □ 1□ 5□ 5 | 1 | 12. Sediment bottom | in well | | inches | | inches |
| other | | | 13. Water cla | nrity | Turbid ⊠ | 1 0 1 5 | | 2 0 2 5 |
| 3. Time spent developing well | | 15 min. | | | (Describe) Moderate | ely turbid | (Describe) Slightly | |
| 4. Depth of well (from top of well casing | 3) | 9.1 ft. | | | (reddish | orown) | (reddish | brown) |
| 5. Inside diameter of well | 2 | .00 in. | | | | | | |
| Volume of water in filter pack and we casing | ell | 1.0 gal. | Fill in if drilli | na fluide v | were used and | well is at soli | d waste facili | tv: |
| 7. Volume of water removed from well | | 4.0 gal. | 14. Total sus | | vere used und | mg/l | a waste facili | mg/l |
| 8. Volume of water added (if any) | | gal. | solids | | | | | |
| 9. Source of water added | | | 15. COD | | | mg/l | | mg/l |
| | | | 16. Well deve | loped by: | Person's Name | and Firm | | |
| 10. Analysis performed on water added? | P ☐ Yes | ⊠ No | 1 | Noelle So | celina | | | |
| (If yes, attach results) | | | | | | | | |
| 17. Additional comments on development | | | ŀ | Barr Eng | ineering | | | |
| | | | | | | | | |
| Facility Address or Owner/Responsible Name: Karl Beaster | Party Address | | I hereby certi knowledge. | fy that the | above informa | ation is true ar | nd correct to | the best of my |
| Firm: Enbridge Energy | | | Signature: | Too | elle. | Scell | na | |
| Street: 1320 Grand Ave. | | | Print Name: | Noelle | Scelina | | | |
| City/State/Zip: Superior, WI 54 | 4880 | | Firm: | Barr Er | ngineering (| Co. | | |

MONITORING WELL DEVELOPMENT Form 4400-113B Rev. 7-98

| Route To: | Watershed/Wastewate | | Waste Management ☐ Other ☐ | | | | |
|--|---|-------------|------------------------------|------------------------|------------------|---------------------|------------------------|
| Facility/Project Name | Remediation/Redevelo | County | Otner 🗆 | Well Name | | | |
| | itarina Dragram | County | Douglas | wen Name | M | /-24A | |
| Enbridge Groundwater Mon Facility License, Permit or Monitoring | | County Code | Douglas Wis. Unique Well Nur | mber | DNR Well | | |
| Enbridge Superior T | | 16 | Wis. Chique Wen I van | | Bivit wen | 1 valiloei | |
| Enorage superior 1 | Criminai | 10 | | | | | |
| 1. Can this well be purged dry? | ⊠ Yes | No □ No | 11. Depth to Water | Before Dev | elopment | After De | velopment |
| 2. Well development method: surged with bailer and bailed | □ 4 | | (from top of well casing) | a. | 16.30 ft. | | 18.50 ft. |
| surged with bailer and pumped surged with block and bailed surged with block and pumped | □ 6 □ 4 □ 6 | 2 | Date | b. 11/6 | /2015 | 11 | /6/2015 |
| surged with block, bailed, and p | □ 2 | 0 | Time | c. | □ a 04:20 ⊠ p | | □ a.m. 04:25 ⋈ p.m. |
| bailed only pumped only pumped slowly | □ 1□ 5□ 5 | 1 | 12. Sediment in well bottom | | inches | | inches |
| other | | | 13. Water clarity | Turbid 🖂 | 1 0 1 5 | Clear □ Turbid ⊠ | 2 0 2 5 |
| 3. Time spent developing well | | 5 min. | | (Describe) Slightly to | ırbid | (Describe) Slightly | turbid |
| 4. Depth of well (from top of well casin | ng) 1 | 8.5 ft. | | (reddish b | rown) | <u>(reddish</u> | brown) |
| 5. Inside diameter of well | 2 | .00 in. | | | | | |
| Volume of water in filter pack and water pack and water in filter pack and water | vell | 0.4 gal. | Fill in if drilling fluids | were used and v | vell is at soli | d waste facili | tv. |
| 7. Volume of water removed from well | | 2.0 gal. | 14. Total suspended | , word and and | mg/l | | mg/l |
| 8. Volume of water added (if any) | | gal. | solids | | | | |
| 9. Source of water added | | | 15. COD | | mg/l | | mg/l |
| 10. Analysis performed on water addec | 19 🖂 V | 57 N- | 16. Well developed by: | Person's Name | and Firm | | |
| (If yes, attach results) | 1? | ⊠ No | Noelle S | Scelina | | | |
| | | | Barr En | gineering | | | |
| 17. Additional comments on developm | ent: | | | | | | |
| Facility Address or Owner/Responsible | Party Address | | I hereby certify that th | e above informat | tion is true a | nd correct to t | the best of my |
| Name: Karl Beaster | | | knowledge. | elle. S | 11: | · · · | |
| Firm: Enbridge Energy | | | Signature: | | ceun | ne | |
| Street: 1320 Grand Ave. | | | Print Name: Noelle | | | | |
| City/State/Zip: Superior, WI 5 | 54880 | | Firm: Barr F | Engeering Co. | | | |

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

| | Vatershed/Wastewate emediation/Redevelo | | Waste Management ☐ Other ☐ | | | | |
|--|--|---------------------------------------|------------------------------|------------------------|------------------|------------------|------------------------|
| Facility/Project Name | emediation/Redevelo | County | Other 🗆 | Well Name | | | |
| Enbridge Groundwater Monito | ring Program | County | Douglas | Wen Name | MX | /-24B | |
| Facility License, Permit or Monitoring No | ımber | County Code | Wis. Unique Well Nur | mber | DNR Well | | |
| Enbridge Superior Ter | | 16 | 1 | | | | |
| Energy Superior 19 | 11111411 | 10 | | | - | | |
| 1. Can this well be purged dry? | ⊠ Yes | No □ No | 11. Depth to Water | Before Dev | elopment | After De | velopment |
| Well development method: surged with bailer and bailed surged with bailer and pumped | □ 4 □ 6 | | (from top of well casing) | a. | 21.33 ft. | | 48.32 ft. |
| surged with block and bailed surged with block and pumped | □ 4 □ 6 | 2 | Date | b. 11/6 | /2015 | 11 | /6/2015 |
| surged with block, bailed, and pur compressed air bailed only | | 0 0 | Time | c. | □ a 04:40 ⊠ p | | □ a.m. 05:00 ⋈ p.m. |
| pumped only pumped slowly | □ 5 □ 5 | 1 | 12. Sediment in well bottom | | inches | | inches |
| other | | | 13. Water clarity | Turbid 🛛 | 1 0 1 5 | Clear □ Turbid ⊠ | 2 0 2 5 |
| 3. Time spent developing well | | 23 min. | | (Describe) Slightly to | | | ely turbid |
| 4. Depth of well (from top of well casing) | | 8.9 ft. | | _(reddish b | orown) | _(reddish | brown) |
| 5. Inside diameter of well | 2 | .00 in. | | | | | |
| Volume of water in filter pack and well casing | 1 | 4.5 gal. | Fill in if drilling fluids | ware used and v | wall is at soli | d weste facili | ityr |
| 7. Volume of water removed from well | 1 | 0.0 gal. | 14. Total suspended | were used and v | mg/l | d waste facili | mg/l |
| 8. Volume of water added (if any) | | gal. | solids | | | | |
| 9. Source of water added | | | 15. COD | | mg/l | | mg/l |
| 10. Analysis performed on water added? | □ Yes | ───────────────────────────────────── | 16. Well developed by | | and Firm | | |
| (If yes, attach results) | □ 1es | △ NO | Noelle S | Scelina | | | |
| (),) | | | Barr En | gineering | | | |
| 17. Additional comments on developmen | i: | | | | | | |
| Facility Address or Owner/Responsible P | arty Address | | I hereby certify that th | e above informati | tion is true a | nd correct to | the best of my |
| Name: Karl Beaster Enbridge Energy | | | knowledge. | elle. s | 8-2/ | | |
| Firm: Enbridge Energy Street: 1320 Grand Ave. | | | Signature: Noelle | | reen | I rec | |
| | 99A | | D I | | 'o | | |
| City/State/Zip: Superior, WI 54 | 000 | | Firm: Barr F | Engineering C | U. | | |

| | hed/Wastewater iation/Redevelopr | | Waste Management ☐ Other ☐ |] | | | |
|--|-------------------------------------|------------|--------------------------------------|------------------|------------------|---------------------|------------------------|
| Facility/Project Name | | ounty | Other 🗆 | Well Name | | | |
| Enbridge Groundwater Monitoring | | ounty | Douglas | Wen rame | MX | 7-25A | |
| Facility License, Permit or Monitoring Number | C | ounty Code | Wis. Unique Well Nur | nber | DNR Well | | |
| Enbridge Superior Termin | | 16 | 1 | | | | |
| | | | | | _ | | |
| 1. Can this well be purged dry? | ⊠ Yes | □ No | 11. Depth to Water | Before Dev | elopment | After De | velopment |
| Well development method: surged with bailer and bailed surged with bailer and pumped | □ 41 □ 61 | | (from top of well casing) | a. | 2.71 ft. | 1.1 | 17.00 ft. |
| surged with block and bailed | □ 42 | | Date | b. 11/6 | /2015 | 11 | /6/2015 |
| surged with block, bailed, and pumped surged with block, bailed, and pumped compressed air | □ 62 □ 70 □ 20 | | Time | c. | □ a 03:05 ⊠ p | | □ a.m. 03:15 ⋈ p.m. |
| bailed only | ⊠ 10 | | | | • | | • |
| pumped only | □ 51 | | 12. Sediment in well | | inches | | inches |
| pumped slowly | □ 50 | | bottom | | | | |
| other | | | 13. Water clarity | | 1 0 1 5 | Clear □ Turbid ⊠ | 2 0 2 5 |
| 3. Time spent developing well | 1 | 0 min. | | (Describe) | | (Describe) | |
| T. P. C. | | | | Highly tu | rbid | Highly t | urbid |
| 4. Depth of well (from top of well casing) | 19. | 1 ft. | | (reddish b | | (reddish | |
| 5. Inside diameter of well | 2.0 | 0 in. | | | | | |
| 6. Volume of water in filter pack and well casing | 2. | 6 gal. | | | | | |
| | | | Fill in if drilling fluids | were used and v | vell is at soli | d waste facili | ity: |
| 7. Volume of water removed from well | 4. | 5 gal. | 14. Total suspended | | mg/l | | mg/l |
| 8. Volume of water added (if any) | | gal. | solids | | | | |
| 9. Source of water added | | | 15. COD | | mg/l | | mg/l |
| | | | 16. Well developed by: | Person's Name | and Firm | | |
| 10. Analysis performed on water added? | ☐ Yes | ⊠ No | Noelle S | Scelina | | | |
| (If yes, attach results) | | | Porr En | gingoring | | | |
| 17. Additional comments on development: | | | Dall Ell | gineering | | | |
| 17. Additional comments on development. | | | | | | | |
| | . 11 | | | | | | |
| Facility Address or Owner/Responsible Party A Name: Karl Beaster | Address | | I hereby certify that the knowledge. | e above informat | tion is true a | nd correct to | the best of my |
| Firm: Enbridge Energy | | | Signature: 76 | elle s | Scell | na | |
| Street: 1320 Grand Ave. | | | Print Name: Noelle | Scelina | | | |
| City/State/Zip: Superior, WI 54880 | | | Firm: Barr E | Engineering C | Co. | | |

| | Route To: | Watershed/Wa | | | Waste Mana | gement [| | | | | |
|--|------------------|-----------------|--------|-------------|---------------------|--------------|---------------------|---------------------|-----------------------|---------------------|--|
| E '1' /D ' (N | | Remediation/F | Redeve | | Other | | 337 II N | | | | |
| Facility/Project Name | 1 | iti D | | County | D | | Well Na | | 7.25D | | |
| Enbridge Ground Facility License, Permit | or Monitoring | Number | ram | County Code | Douglas Wis. Unique | Well Nu | mber | DNR Well | V-25B | | |
| • | e Superior | | | 16 | Wis. Omque | , wen run | illoci | DIVIC WOII | rumoei | | |
| | • Superior : | V | | 10 | | | | l l | | | |
| 1. Can this well be purg | ed dry? | | ⊠ Ye | s 🗆 No | 11. Depth to | | Before I | Development | After Deve | elopment | |
| 2. Well development me surged with baile | | | □ 4 | . 1 | (from to | | a. | 15.52 ft. | | 45.59 ft. | |
| surged with baile surged with bloc | k and bailed | | □ 4 | 2 | Date | | b. 1 | 1/6/2015 | 11/6 | 5/2015 | |
| surged with bloc | | | | 2 | | | | | | | |
| surged with bloc | ck, bailed, and | | | 0 | Time | | ā | □ a 03:33 ⊠ p | | □ a.m. 03:49 ⋈ p.m. | |
| compressed air bailed only | | | | 0 | Time | | c. | 03.33 🖾 p | .111. | 03.49 🖾 p.iii. | |
| pumped only | | | | 1 | 12. Sedimer | nt in well | | inches | | inches | |
| pumped slowly | | | | 0 | bottom | it iii weii | | menes | | menes | |
| other | | | | | 13. Water c | larity | Clear [Turbid [| □ 10 □ 15 | | 2.0 | |
| 3. Time spent developin | g well | | | 16 min. | | | (Describe |) / turbid | (Describe) Highly tur | bid | |
| 4. Depth of well (from t | op of well casi | ng) | ۷ | 19.0 ft. | | | | sh brown) | (reddish b | | |
| 5. Inside diameter of we | ell | | 2 | 2.00 in. | | | | | | | |
| Volume of water in final casing | ilter pack and v | well | | 5.5 gal. | F.W.: | | | | | | |
| 7. Volume of water rem | oved from wel | 1 | | 7.0 gal. | | _ | were used a | and well is at soli | d waste facility | | |
| 8. Volume of water add | ed (if any) | | | gal. | 14. Total su solids | spended | | mg/l | | mg/l | |
| 9. Source of water added | d | | | | 15. COD | | | mg/l | | mg/l | |
| | | | | | 16. Well dev | eloped by: | Person's N | ame and Firm | | | |
| 10. Analysis performed | | d? | ☐ Ye | s 🛭 No | | Noelle S | Scelina | | | | |
| (If yes, attach results | s) | | | | D. F | | | | | | |
| 17 Additional common | ta an davialann | . aut. | | | | Barr En | gineering | | | | |
| 17. Additional comment | | nent: | | | | Barr En | gineering | | | | |
| Facility Address or Own | - | e Party Address | | | | tify that th | e above info | rmation is true a | nd correct to the | e best of my | |
| Name: Karl Beas | ster | | | | knowledge. | _ | | | | | |
| Firm: Enbridge | Energy | | | | _ Signature: | Por | elle. | Deeli. | na | | |
| Street: 1320 Gra | nd Ave. | | | | _ Print Name: | Noelle | e Scelina | | | | |
| City/State/Zip: Suj | perior, WI | 54880 | | | _ Firm: | Barr E | Engineerin | g Co. | | | |

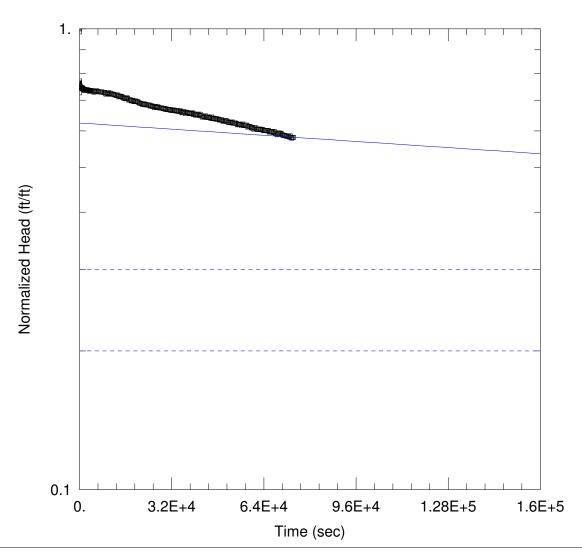
| | Watershed/Wastew Remediation/Redev | | t M | Waste Managen Other □ | nent [| | | | |
|---|---------------------------------------|---------|----------|----------------------------|----------|-----------------|---------------------|---------------------|----------------|
| Facility/Project Name | Remediation/Redev | Cou | | Otner 🗆 | | Well N | oma | | |
| 2 2 | tarina Dragram | | шу | Douglas | | Well IN | | W-26 | |
| Enbridge Groundwater Moni Facility License, Permit or Monitoring N | <u>tornig Frogram</u> Jumber | Cour | nty Code | Wis. Unique W | ell Nur | nher | DNR Well | | |
| Enbridge Superior Te | | | 16 | Wist omque W | | | D1110 11 41 | | |
| 1. Can this well be purged dry? | ⊠ Y | 'es □ | No | 11 D 41 4 W | 7. 4 | Before | Development | After De | evelopment |
| 2 XV-11 d1 | | | | 11. Depth to W (from top o | | | 17.50 2 | | 17 42 0 |
| 2. Well development method: surged with bailer and bailed | | 4 1 | | well casing | | a. | 17.50 ft. | | 17.43 ft. |
| surged with bailer and pumped | | 61 | | | , | | | | |
| surged with block and bailed | | 4 2 | | Date | | b. 1 | 1/13/2015 | 11 | 1/6/2015 |
| surged with block and pumped | | 62 | | Bute | | 0. 1 | 1,15,2015 | 1. | 1,0,2012 |
| surged with block, bailed, and p | | 7 0 | | | | | □ a | ım | □ a.m. |
| compressed air | | 2 0 | | Time | | c. | 02:28 ⊠ г | | 02:33 ⊠ p.m. |
| bailed only | | 10 | | | | | 1 | | |
| pumped only | | 5 1 | | 12. Sediment in | n well | | inches | | inches |
| pumped slowly | | 50 | | bottom | | | | | |
| other | | | | 13. Water clari | ty | Clear Turbid | □ 10 □ 15 | Clear □ Turbid ⊠ | 2 0 2 5 |
| 3. Time spent developing well | | 5 | min. | | | (Describ | e) tly turbid | (Describe) Slightly | turbid |
| 4. Depth of well (from top of well casin | g) | 18.4 | ft. | | | | ish brown) | (reddish | |
| 5. Inside diameter of well | | 2.00 | in. | | | | | | |
| 6. Volume of water in filter pack and w | ell | | | | | | | | |
| casing | | 0.9 | gal. | | | | | - | |
| | | | | Fill in if drilling | fluids | were used | and well is at soli | id waste facil | litv: |
| 7. Volume of water removed from well | | 1.0 | oal | | | | | | |
| | | | D | 14. Total suspe | nded | | mg/l | | mg/l |
| 8. Volume of water added (if any) | | : | gal. | solids | | | | | |
| 9. Source of water added | | | | 15. COD | | | mg/l | | mg/l |
| | | | | 16. Well develop | ed by: | Person's 1 | Name and Firm | | |
| 10. Analysis performed on water added | ? 🗆 Y | es 🖂 | No | | - | Scelina | | | |
| (If yes, attach results) | | | | INC | belle s | Sceima | | | |
| | | | | Ba | rr En | gineering | 3 | | |
| Additional comments on developme | | | | | | | | | |
| Analytical samples were col | lected 10 minut | es afte | r well w | as developed. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Facility Address or Owner/Responsible | Dorty Addross | | | | | | | | |
| racinty Address of Owner/Responsible | Party Address | | | | that the | e above inf | formation is true a | nd correct to | the best of my |
| Name: Karl Beaster | | | | knowledge. | 2 | | | | |
| Firm: Enbridge Energy | | | | Signature: | 10 | elle | . Scell | na | |
| Street: 1320 Grand Ave. | | | | Print Name: 1 | Noelle | e Scelina | | | |
| City/State/Zip: Superior, WI 5 | 4880 | | | Firm: <u>F</u> | Barr E | Engineeri | ng Co. | | |
| | | | | 1 | | | | | |

| | Vatershed/Wastewate | | Waste Management | | | | |
|--|---------------------|--------------|------------------------------|-----------------|-------------------|-----------------|----------------|
| | emediation/Redevelo | | Other | 777 11 3 7 | | | |
| Facility/Project Name | | County | D 1 | Well Nam | | W.5D | |
| Enbridge Groundwater Monitor Facility License, Permit or Monitoring Nu | oring Program | County Code | Douglas Wis. Unique Well Nur | | DNR Well | W-5B | |
| Enbridge Superior Ter | | 16 | wis. Unique well Nul | mber | DINK Well | Number | |
| Enortage Superior Ter | IIIIIai | 10 | | | | | |
| 1. Can this well be purged dry? | ⊠ Yes | s □ No | | Before De | evelopment | After De | velopment |
| | | | 11. Depth to Water | | | | |
| 2. Well development method: | | | (from top of | a. | 56.33 ft. | | 58.22 ft. |
| surged with bailer and bailed | □ 4 | 1 | well casing) | | | | |
| surged with bailer and pumped | □ 6 | 1 | | | | | |
| surged with block and bailed | □ 4 | 2 | Date | b. 11/ | 13/2015 | 11/1 | 13/2015 |
| surged with block and pumped | □ 6 | 2 | | | | | |
| surged with block, bailed, and pur | mped \square 7 | 0 | | | □ a | | □ a.m. |
| compressed air | □ 2 | | Time | c. | 03:20 ⊠ p | o.m. | 03:30 ⋈ p.m. |
| bailed only | □ 1 | | | | | | |
| pumped only | □ 5 | | 12. Sediment in well | | inches | | inches |
| pumped slowly | □ 5 | 0 | bottom | | | | |
| other | | | 13. Water clarity | Clear \square | | Clear □ | 2 0 |
| | | | | Turbid 🛚 | 1 5 | Turbid ⊠ | 2 5 |
| 3. Time spent developing well | | 10 min. | | (Describe) | | (Describe) | |
| | | | | Slightly | | Slightly | |
| 4. Depth of well (from top of well casing) |) 5 | 8.5 ft. | | _(reddish | n brown) | (reddish | brown) |
| | | | | | | | |
| 5. Inside diameter of well | 2 | .00 in. | | | | | |
| | | | | | | | |
| 6. Volume of water in filter pack and wel | l | | | | | | |
| casing | | 0.4 gal. | | | | | |
| | | | Fill in if drilling fluids | were used an | d well is at soli | id waste facili | ity: |
| 7. Volume of water removed from well | | 0.8 gal. | | | | | |
| | | | 14. Total suspended | | mg/l | | mg/l |
| 8. Volume of water added (if any) | | gal. | solids | | | | |
| | | | 15. COD | | mg/l | | mg/l |
| 9. Source of water added | | | 13. COD | | mg i | | mg i |
| | | | 16. Well developed by: | : Person's Nai | me and Firm | | _ |
| 10. Analysis performed on water added? | ☐ Yes | ⊠ No | Noelle S | Scalina | | | |
| (If yes, attach results) | | | | | | | |
| | | | Barr En | gineering | | | |
| 17. Additional comments on development | | | | | | | |
| Analytical samples were colle | ected 10 minutes | after well w | as developed. | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Facility Address or Owner/Responsible Pa | arty Address | | I hereby certify that th | e above inform | nation is true a | nd correct to t | the best of my |
| Name: Karl Beaster | | | knowledge. | ic doove infor | indicin is true u | ina con cot to | ane best of my |
| Name: Karl Beaster | | | 7 | | 0 | | |
| Firm: Enbridge Energy | | | Signature: | elle., | Sceli | na | |
| 1 IIII. ———————————————————————————————— | | | Signature. | | | | |
| Street: 1320 Grand Ave. | | | Print Name: Noelle | e Scelina | | | |
| G : XX 54 | 000 | | | 7t. · | C- | | |
| City/State/Zip: Superior, WI 54 | 880 | | Firm: Barr I | Engineering | ; C0. | | |
| | | | | | | | |

| | ntershed/Wastewate mediation/Redevel | | Waste Management ☐ Other ☐ | | | | |
|---|---|-------------|---|-------------------|-------------------------|-----------------------------|------------------------|
| Facility/Project Name | mediation/redevel | County | Other 🗀 | Well Name | | | |
| Enbridge Groundwater Monitor | ing Program | County | Douglas | Well I valle | M | V-6B | |
| Facility License, Permit or Monitoring Nur | nber | County Code | Wis. Unique Well Nu | mber | DNR Well | | |
| Enbridge Superior Term | ninal | 16 | | | | | |
| | | ! | | | | | |
| 1. Can this well be purged dry? | ⊠ Yes | s □ No | 11. Depth to Water | Before Dev | elopment | After De | velopment |
| 2. Well development method: surged with bailer and bailed | □ 4 - | | (from top of well casing) | a. | 51.56 ft. | | 57.64 ft. |
| surged with bailer and pumped surged with block and bailed surged with block and pumped | □ 6 □ 4 □ 6 | 2 | Date | b. 11/5 | 7/2015 | 11 | /5/2015 |
| surged with block, bailed, and pum compressed air | □ 2 | 0 | Time | c. | □ a 02:33 ⊠ p | | □ a.m. 02:55 ⊠ p.m. |
| bailed only pumped only pumped slowly | □ 1□ 5□ 5 | 1 | 12. Sediment in well bottom | | inches | | inches |
| other | | | 13. Water clarity | | 1 0 1 5 | Clear □ Turbid ⊠ (Describe) | 2 0 2 5 |
| 3. Time spent developing well | | 22 min. | | Highly tu | rhid | Highly to | urhid |
| 4. Depth of well (from top of well casing) | 5 | 7.8 ft. | | (reddish b | | (reddish | |
| 5. Inside diameter of well | 2 | .00 in. | | | | | |
| 6. Volume of water in filter pack and well casing | | 1.0 gal. | Edit (CTII) (CTII) | | 11 1. | 1 | |
| 7. Volume of water removed from well | | 4.0 gal. | Fill in if drilling fluids 14. Total suspended | s were used and v | weii is at soii mg/l | d waste facili | ng/l |
| 8. Volume of water added (if any) | | gal. | solids | | | | |
| 9. Source of water added | | | 15. COD | | mg/l | | mg/l |
| | | | 16. Well developed by | : Person's Name | and Firm | | |
| 10. Analysis performed on water added? (If yes, attach results) | ☐ Yes | ⊠ No | Noelle | Scelina | | | |
| (11 yes, attach results) | | | Barr En | gineering | | | |
| 17. Additional comments on development: | | | | | | | |
| Facility Address or Owner/Responsible Par | ty Address | | I hereby certify that the | e above informa | tion is true a | nd correct to | the best of my |
| Name: Karl Beaster | | | knowledge. | | _ | | |
| Firm: Enbridge Energy | | | Signature: | elle. S | celi | na | |
| Street: 1320 Grand Ave. | | | Print Name: Noelle | e Scelina | | | |
| City/State/Zip: Superior, WI 548 | 80 | | Firm: Barr I | Engineering C | Co. | | |

Appendix C

AQTESOLV Reports for Slug Test Analyses



SLUG IN TEST AT MW-19A

Data Set: P:\...\MW-19A_br.aqt

Date: <u>12/28/15</u> Time: <u>11:37:34</u>

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

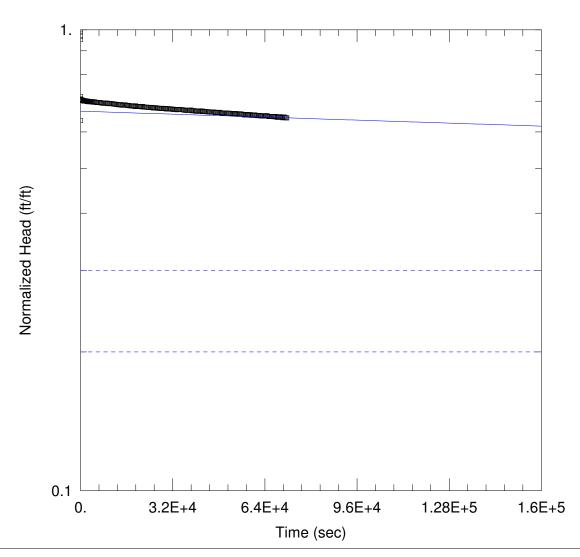
Static Water Column Height: 20.68 ft

Screen Length: 10. ft Well Radius: 0.3333 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 7.702E-5 ft/day 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

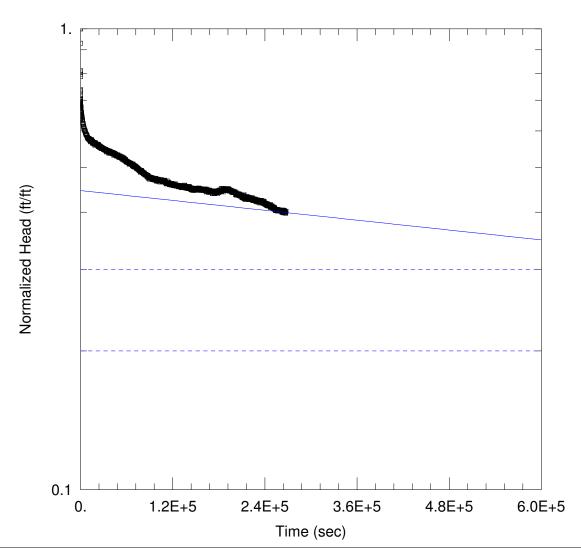
Screen Length: 5. ft Well Radius: 0.3333 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 7.374E-5 ft/day

y0 = 2.498 ft



SLUG IN TEST AT MW-20A

Data Set: P:\...\MW-20A_br.aqt

Date: <u>12/28/15</u> Time: <u>11:38:16</u>

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

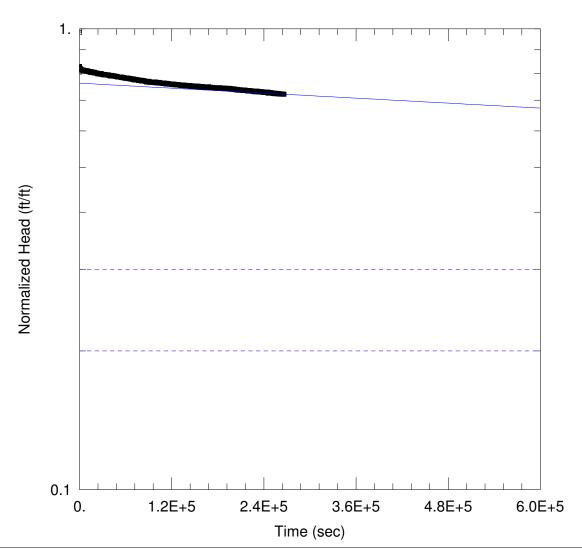
Static Water Column Height: 18.91 ft

Screen Length: 10. ft Well Radius: 0.3333 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 3.252E-5 ft/day y0 = 0.9346 ft



SLUG IN TEST AT MW-20B

Data Set: P:\...\MW-20B_br.aqt

Date: <u>12/28/15</u> Time: <u>11:39:18</u>

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

Total Well Penetration Depth: 43.3 ft

Casing Radius: 0.0833 ft

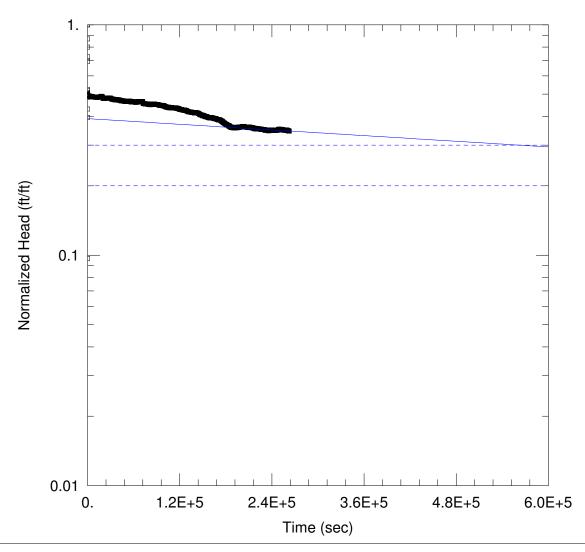
Static Water Column Height: 43.3 ft

Screen Length: <u>5.</u> ft Well Radius: 0.3333 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-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: <u>12/28/15</u> Time: <u>11:48:29</u>

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

Total Well Penetration Depth: 19.55 ft

Casing Radius: 0.0833 ft

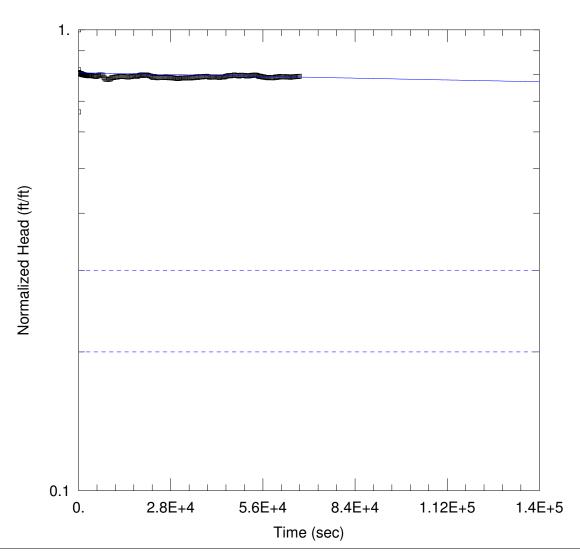
Static Water Column Height: 19.55 ft

Screen Length: 10. ft Well Radius: 0.3333 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-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

Total Well Penetration Depth: 43.51 ft

Casing Radius: 0.0833 ft

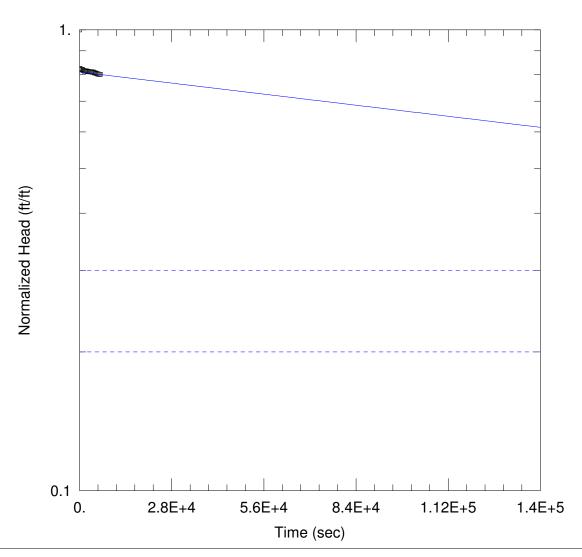
Static Water Column Height: 43.51 ft

Screen Length: <u>5.</u> ft Well Radius: 0.3333 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-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

Total Well Penetration Depth: 43.51 ft

Casing Radius: 0.0833 ft

Static Water Column Height: 43.51 ft

Screen Length: <u>5.</u> ft Well Radius: 0.3333 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-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 Da | | | 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.: | Α | В | А | В | | | |
| Depth (ft): | 6-8 | 40-42 | 6-8 | 40-42 | | | |
| Location: | | | | | | | |
| Sample Type: | 3T | 3Т | 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 | | | |
| ன் Saturation %: | | | | | | | |
| ें Porosity: | | | | | | | |
| O Ht. (in): | 2.19 | 2.39 | 1.55 | 2.06 | | | |
| ച്ച Dia. (in): | 2.87 | 2.88 | 2.87 | 2.87 | | | |
| Saturation %: Porosity: Ht. (in): Dia. (in): Dry Density (pcf): Water Content: | 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 ℃: | 22.0 | 22.0 | 22.0 | 22.0 | | | |
| % Compaction | | | | | | | |
| % Saturation (After Test) | 99.3% | 99.7% | 99.2% | 99.8% | | | |
| | | | Coefficient of F | | | | |
| K @ 20 °C (cm/sec) | 2.9 x 10 ⁻⁸ | 1.1 x 10 ⁻⁸ | 1.5 x 10 ⁻⁸ | 1.5 x 10 ⁻⁸ | | | |
| K @ 20 ℃ (ft/min) | 5.7 x 10 ⁻⁸ | 2.2 x 10 ⁻⁸ | 3.0 x 10 ⁻⁸ | 3.0 x 10 ⁻⁸ | | | |
| Notes: | | | | | | | |
| · · | | | | | | | — |





- ENVIRONMENTAL
- GEOTECHNICAL
- MATERIALS
- FORENSICS

REPORT OF DRY DENSITY AND PERMEABILITY

PROJECT:

ENBRIDGE GMP

SUPERIOR, WISCONSIN

BARR PROJECT #49/16-1256

RE

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 x 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 d₁₀ 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) | $d_{10} = 0.00001 \text{ mm } (0.0001 \text{ cm})$ |
|----------------------------------|--|
| Soil Boring SB-20B (14 feet bgs) | $d_{10} = 0.00004 \text{ mm} (0.0004 \text{ cm})$ |
| Soil Boring SB-21A (16 feet bgs) | $d_{10} = 0.00004 \text{ mm} (0.0004 \text{ cm})$ |

DEEP SAMPLES

| Soil Boring SB-17B (42 feet bgs) | $d_{10} = 0.0002 \text{ mm } (0.002 \text{ cm})$ |
|----------------------------------|---|
| Soil Boring SB-19B (58 feet bgs) | $d_{10} = 0.00003 \text{ mm} (0.0003 \text{ cm})$ |
| Soil Boring SB-20B (54 feet bgs) | $d_{10} = 0.00008 \text{ mm} (0.0008 \text{ cm})$ |

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

$$K_{ave} = 20(0.0003 \text{ cm})^2 \text{ or,}$$

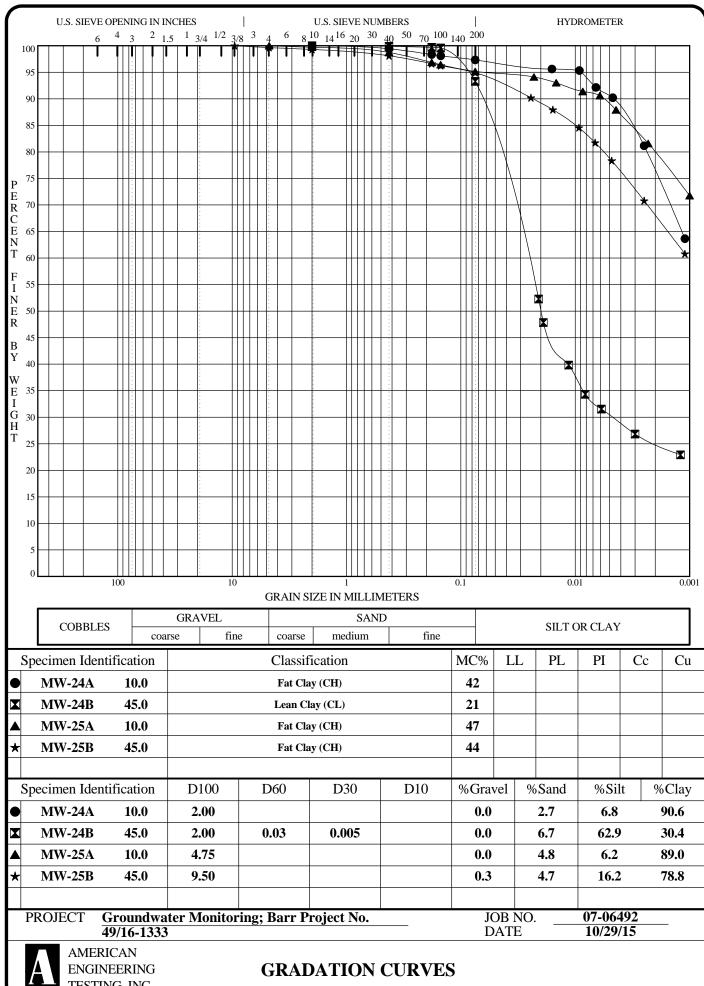
$$K_{ave} = 1.8 \text{ x } 10^{-6} \text{ cm/sec or } 0.0051 \text{ feet/day.}$$

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.

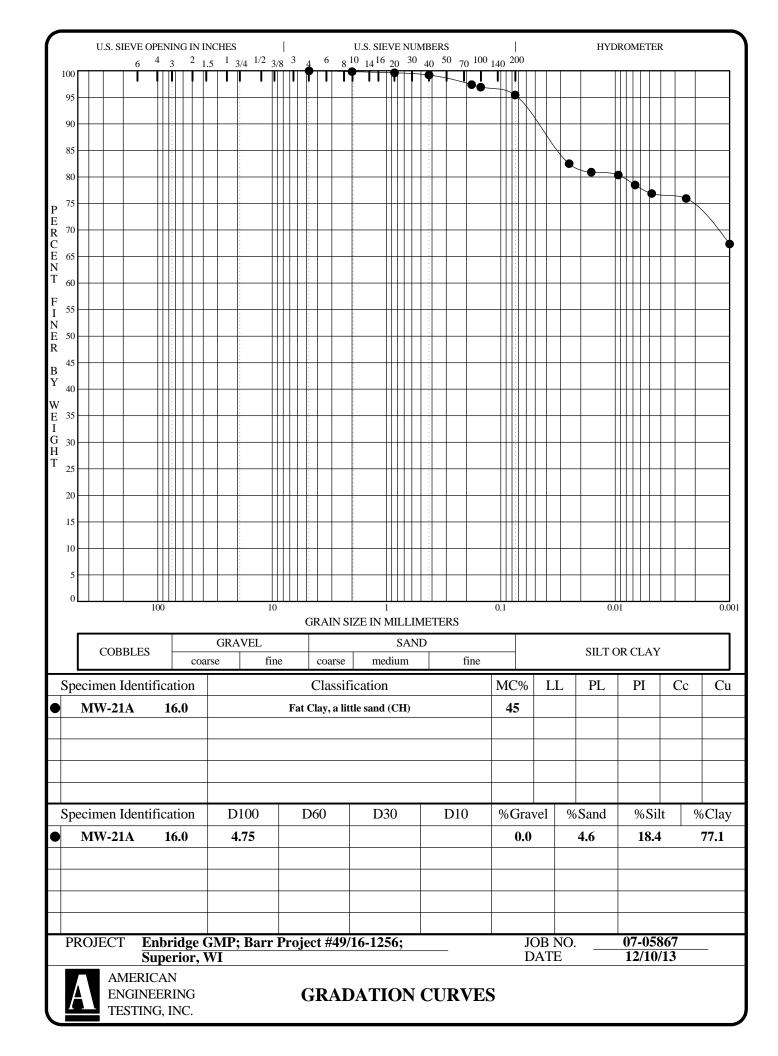
Given a $d_{10ave} = 0.001$ cm and C = 20, it follows that

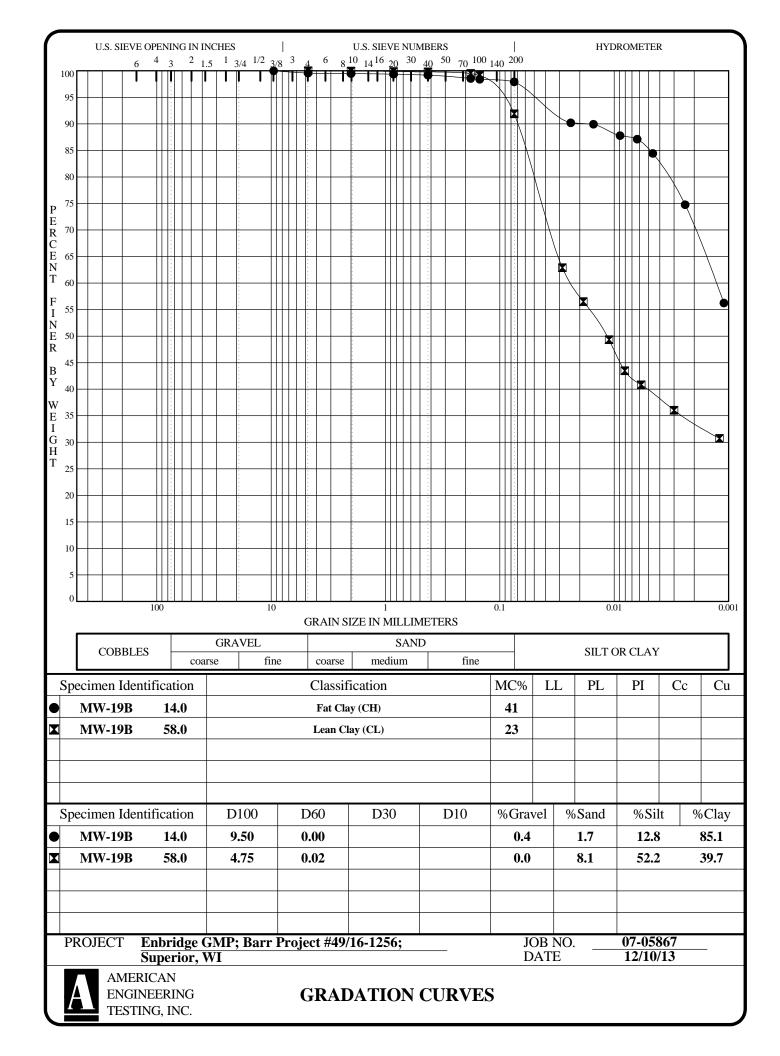
$$K_{ave} = 20(0.001 \text{ cm})^2 \text{ or,}$$

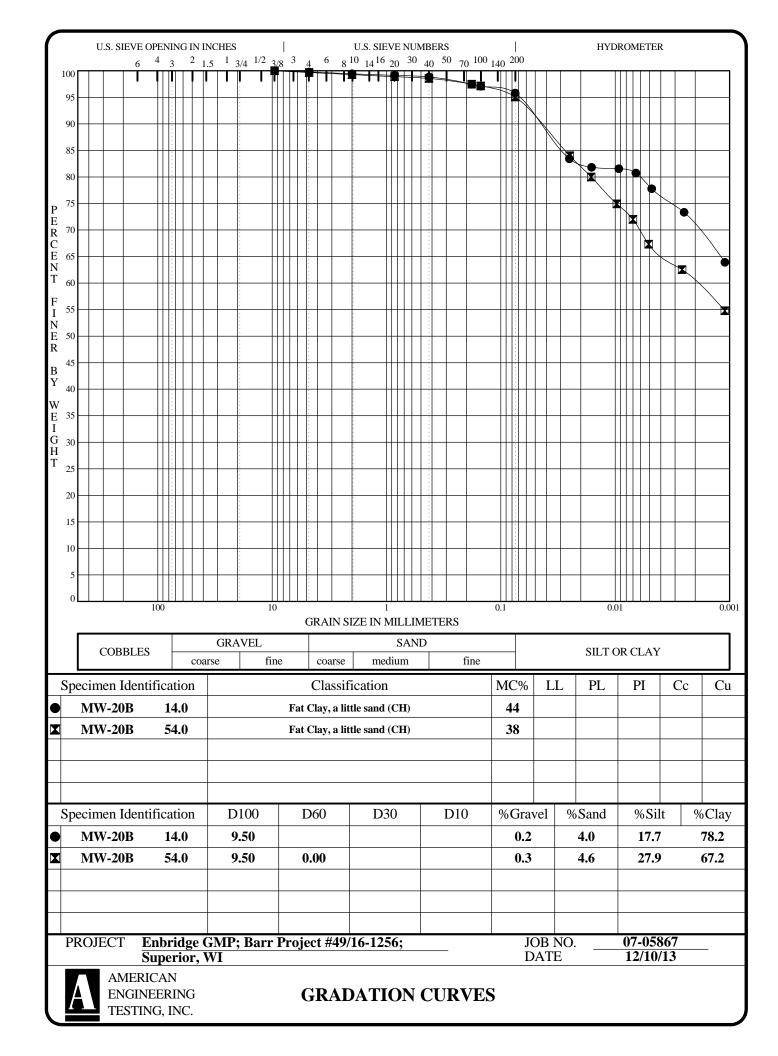
 $K_{ave} = 2.0 \text{ x } 10^{-5} \text{ cm/sec or } 0.057 \text{ feet/day.}$

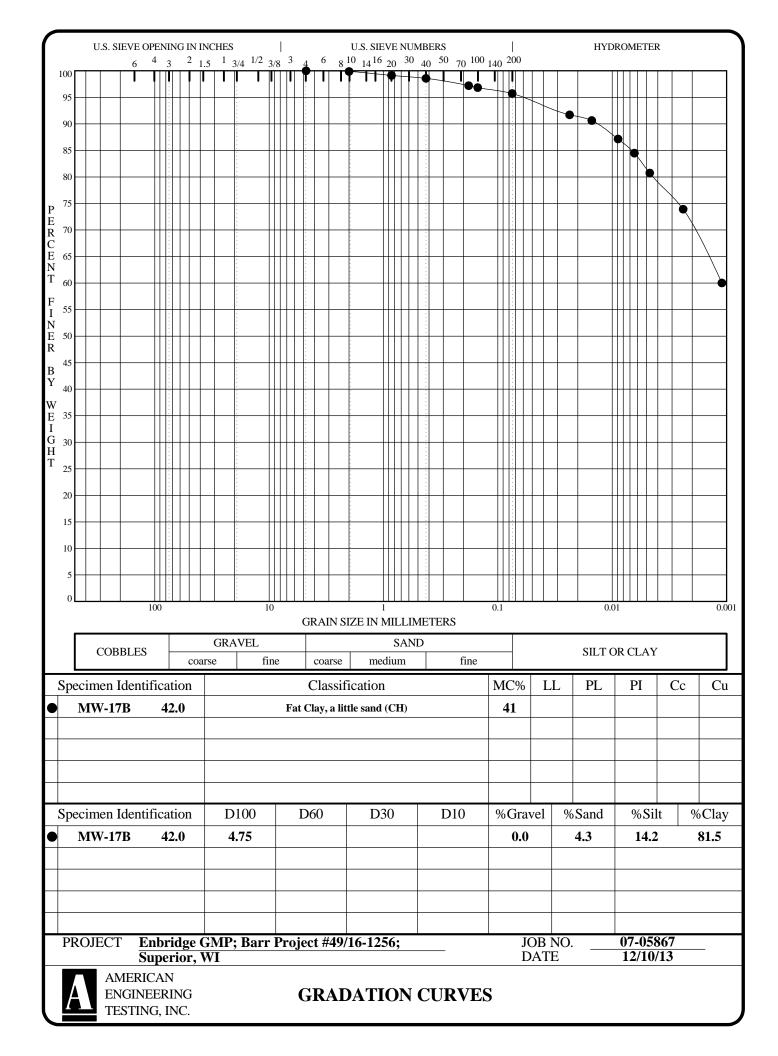


TESTING, INC.









Appendix F

Soil Property Lab Reports - Density, Moisture Content, Organic Matter





- ENVIRONMENTAL
- GEOTECHNICAL
- MATERIALS
- FORENSICS

REPORT OF DRY DENSITY AND PERMEABILITY

PROJECT:

ENBRIDGE GMP

SUPERIOR, WISCONSIN

BARR PROJECT #49/16-1256

RE

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 x 10 ⁻⁸ |



Report of Moisture Content, Dry Density, and Organic Content

GROUNDWATER MONITORING BARR ENGINEERING BARR PROJECT NO. 49/16-1333 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 |





- ENVIRONMENTAL
- GEOTECHNICAL
- MATERIALS
- FORENSICS

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

325 S. Lake Avenue, Suite 700 Duluth, MN 55802-2323 Phone: 218.529.8200 Fax: 218.529.8202

Groundwater Monitoring Program (GMP) Sampling and Analysis Plan (Version 2.0) Superior Terminal Facility

March 2017

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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. TheWDNR *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

| | | TOC Elevation | Ground Surface | Depth to Bottom (feet, | Screen |
|---------|----------------|----------------------|---------------------|---------------------------|---------------|
| Well ID | Date Installed | (feet, NGVD) | Elevation | from TOC) | 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.

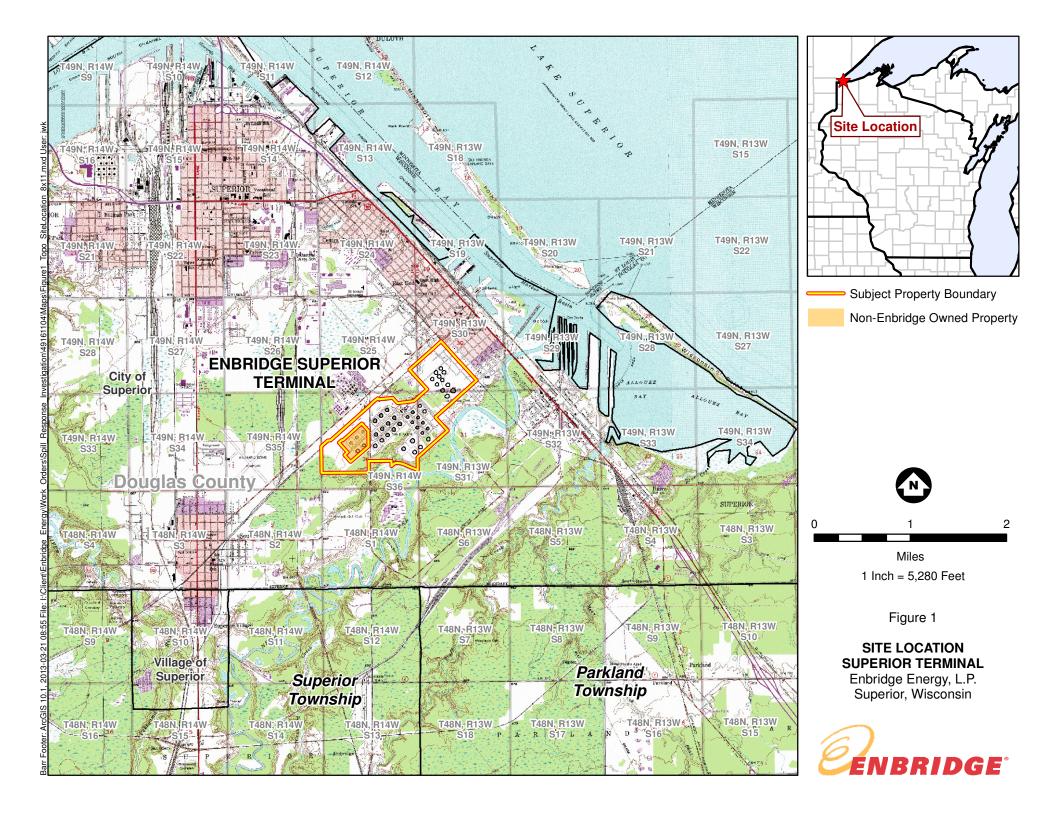
3.0 Data Assessment and Reporting

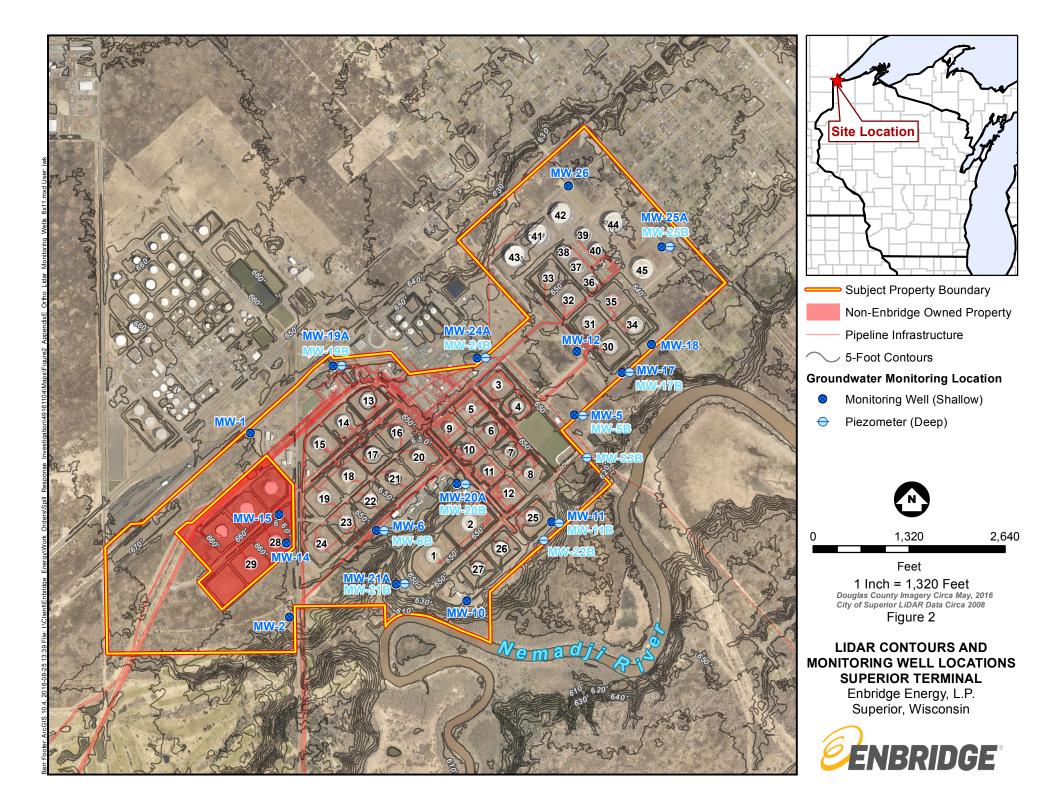
Once the data is received from the lab, it will be reviewed and certified. The review will include a check for holding times, any calibration data discussion, results for blanks, duplicates, surrogates, matrix spikes and spike duplicates, and a check of reporting limits. Parameter data will be checked 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





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 |
|-------|---|--|--|---|
| | | 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 |
| 1 | Discovery of New Release or Historical Release Unknown or Not Previously Reported | 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. | |
| | | · · | 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. |
| 2 | 2 Release Response and Site Assessment | Residual Impacts less | 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 (PVOCs and Napthalene) will be needed to evaluate direct contact risk (NR 720). |
| | | Residual Impacts | The nature of this sitefacility-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) (PVOCs 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). |
| | | | 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. |
| | | Determine Pathway to Closure for Release | 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) |
| 3 | Site Classification and Pathway to Closure | based on Soil Concentrations withn 4 feet of the ground surface | thin 4 bund 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 bed release Registry obligation the special paper with the special paper wit | 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). |
| | i s | | Soil remains that is greater than the Calculated SSRCL for Industrial Direct Contact Standard and/or the WDNR requires additional investigaton to determine if the hydrogeologic performace 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

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.

Under MOA

- 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 | If no residual petroleum impacts remained in soil |
| based on field screening AND laboratory analytical results were less than RCLs. | above 4 feet based on field screening. |
| results were less than Nels. | |

Follow up if Residual Petroleum is Present in Soil After Initial Response

Key Comparison – Under MOA, the direct contract 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 |
|--|---|
| 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. | 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.

BRRTS = Bureau for Remediation and Redevelopment Tracking System **Enbridge Superior Terminal** SERTS = Spills Electronic Reporting and Tracking System **Petroleum Contaminated Sites**

WDNR = Wisconsin Department of Natural Resources SI/RAP = Site Investigation and Response Action Plan FW = Facility-wide GIS = Geographic Information Systems Regulatory Notification, Classification and Pathways to Closure DC = Direct Contact GW = Groundwater RCL = Residual Contaminant Level PM = Project Manager Form 4400-225 = Notification For Hazardous Substance Discharge **DISCOVERY OF** NR### = Wisconsin Administrative Code chapter number NR708 = Environmental Response "Immediate and Interim Actions" PETROLEUM CONTAMINATION NR716 = Environmental "Site Investigations" NR726 = Environmental Site "Case Closure" **NEW SPILL or** KNOWN HISTORICAL RELEASE **UNKNOWN HISTORICAL SOURCE** w/ ASSOCIATED BRRTS # **NEW SPILL NEW SPILL** Spill on an impervious surface or spill (>1 gallon gasoline, >5 gallons other HISTORICAL RELEASE CONTAMINATED HISTORICAL RELEASE <1 gallon gasoline, <5 gallons other petroleum product OR Known, closed or active BRRTS # petroleum product, smaller spill volume with residual Unknown source, no BRRTS # SITE SCENARIOS promptly cleaned up; contamination and/or impacts to surface water) no impacts to surface water) No notification required. Immediately notify WDNR Spill Report site via Form 4400-225 Hotline (1-800-943-0003). No SRRTS # or BRRTS # assigned. within 24 hours of discovery. SERTS # will be assigned. No formal regulatory closure. Pending-BRRTS # will be assigned. **Initiate Response Action Initiate Response Action NOTIFICATION** and RESPONSE ACTION Send preliminary site update email to WDNR PM Send preliminary site update email to WDNR PM (observations, anticipated classification, response and technical report schedule) (observations, response and technical reporting schedule) SERTS # or Pending-BRRTS # will be referenced. Existing BRRTS # and status will be referenced. **BRRTS** site in FW GIS BRRTS site in FW GIS Residual contamination **BRRTS** site with unique BRRTS site with unique Site cleaned-up below Residual contamination Residual contamination greater than DC RCLs w/ Residual soil contamination Registry. Residual Registry. Residual GIS Registry. Residual GIS Registry. Residual greater than DC RCLs w/ field screening criteria greater than GW RCLs and BRRTS site is closed and **DOCUMENTED SITE** greater than DC RCLs and/or contamination is OUTSIDE contamination is INSIDE contamination is INSIDE contamination is OUTSIDE structural impediment has NO GIS Registry. established in SI/RAP less than DC RCLs. No GW NO existing structural present. No GW impacts GW impacts identified. of the previously defined of the previously defined of the previously defined of the previously defined CONDITIONS. and/or below GW RCLs impacts identified. impediment present. identified. release boundary. release boundary. release boundary. release boundary. SITE CLASSIFICATION, **FURTHER RESPONSE** Evaluate and conduct, if warranted, additional response actions. **ACTION** Residual contamination less than DC RCLs or greater Residual contamination greater than DC RCLs and/or than DC RCLs w/ new structural impediment GW impacts remaining. encountered, and no GW impacts remain. Technical Memorandum Report is prepared. Submit Technical A unique BRRTS # is established OR the Existing BRRTS file is updated with new **CLOSURE** Submit Technical Memorandum Report. No Memorandum Report Submit Technical Memorandum Report requesting transfer to existing BRRTS Site is removed from the FW additional file changes or GIS Registry update information. A GIS Registry update is prepared GIS Registry. A NR716 investigation is requesting Closure via FW BRRTS # with an updated GIS Registry. **PATHWAYS** required. and the site is transferred to the FW GIS initiated. Site is closed under NR726.

Enbridge Superior Terminal Facility-Wide GIS Registry Update Checklist

| SUBN | MITTAL DATE: |
|----------|---|
| RELEA | ASE OR ACTIVITY NAME: |
| ORIG | GINAL BRRTS /SRRTS # (if applicable): |
| □ Red | PDATE FEE WDNR Technical Assistance, Environmental Liability Clarification or Post-Closure Modification quest (Form 4400-237) – Post-Closure Modification Fee URE DOCUMENTS |
| | WDNR Response Action Approval and Continuing Obligation Cover Letter |
| SITE II | 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). |
| RESPO | DNSE 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. |
| | ASSESSMENT DISCUSSION Direct contact Surface Water receptor Groundwater receptor Vapor receptor |
| RESID | UAL CONTAMINATION AND FACILITY-WIDE ELIGIBILTY DISCUSSION Area of identified residual contamination and structural impediments (if applicable). Response action approval and continuing obligations |
| Attac | 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) |

BRRTS#: 02-16-560657

Enbridge Superior Terminal Facility-Wide GIS Registry Update

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 | Lat: 46°41'26.90"N, | | | | | | | | | |
| (deg. min. sec.) | Long: 92°3'2.04"W | Long: 92°3'2.04"W | | | | | | | | |
| Enbridge Contact and Email | Alex Smith | Consultant Contact and Email | Ryan Erickson | | | | | | | |
| and Email | Alex.smith@enbridge.com | 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 | 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. [Notification] | | | | | | | | | |

Site Name: Enbridge Superior Terminal - Manifold 224

BRRTS #: **0**2-16-577680 **Date**: July 25, 2017

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| | Response Action Summary |
|--|---|
| Date of Excavation, extent and soil disposal | 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. |
| | 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. |
| Groundwater Depth and Nearest Monitoring Well | 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. |
| Soil Field Screening Results Summary | 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. |
| Analytical Sampling Results Summary | 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 (Manifold 224 B-1) to document conditions where the elevated headspace reading was detected at 5 ft. bgs. The other sample was collected from the northeast sidewall (Manifold 224 S-1) 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 (Manifold 224 B-1). The excavation was backfilled with clean fill upon completion of remedial excavation. |

| | Risk Assessment Discussion | | | | | | | | |
|----------------------------|--|--|--|--|--|--|--|--|--|
| Direct Contact Receptor | 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. | | | | | | | | |
| Surface Water Receptor | There is no risk to surface water receptors based on the field assessment results, the excavation location, and the presence of clean backfill. | | | | | | | | |

Site Name: Enbridge Superior Terminal - Manifold 224

BRRTS #: 02-16-577680 Date: July 25, 2017

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| 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 | 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. 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. Based on the above observations, the site is being added to the Facility-wide GIS registry (BRRTS#: 02-16-560657). | | | | | | | |

Attachments:

Table 1 Site Investigation Field Sampling and Screening Logs

Table 2 Soil Sample Analytical Results

Figure 1 Site Location Figure 2 Site Layout

| | SiTE INVESTIGATION Location: Milepost of Equipment used: Particles Sample Nomenclatus Soil Sample Types: R = | or Facill ITD - ure (Loc | ity <u>Mu</u> ionization cation - sa | uni fold detecto umple tyr | 1 224 or with 10.6 | Rele eV lamp | | Background Headspace: O.1 ppm Date: 6/3/16 Ogas = 0.0 span = 100.0 Sampler: Tet/MJP Skpile = Stockpile Sample Post CLI. Span=95,6 Calibration Time: 13:30 |
|---------|--|--------------------------------|--|----------------------------------|-----------------------|-----------------------|----------------------|---|
| | Sample ID | Depth (FT) | Time | Soil Type (uscs) | Color/ Discolor | Odor/ Sheen | Headspace Reading | |
| | Example: TK99-S-1 | 4 | <u>16:30</u> | <u>CL</u> | Reddish brown | Petroleum/ Rainbow | 275 | * Complete in 10Ft. |
| | 5-1 | 2 | 13:38 | Sand | Raddish | 1 HM | 5.4 | * Screening point |
| | 5-3 | | | 1 | | | 2.9 | · screening point |
| | 5-3 | | <u> </u> | | | | 8.0 | |
| | 5-4 | | 1 | | | | 5.2 | 1 |
| | 5-5 | | 13:42 | | | | 6.1 | |
| | 5-6 | | | Н_ | | | 6.2 | |
| | 5-7 | | | , | | | 6.1 | Muni Rid & 2 |
| | 5-8 | sp. | 1 | 1 | 4 | + | 5.5 | to tank 30 (see picture) 5-7 |
| | | | | | | | | 30 (see picture) \ 15-7 |
| | | | | | | | | 5-3 |
| alyzeck | Manifold 224 B-1 | 5 | | Sand | Reddish Brown | NIN | 14,3 | 200 |
| | Manifold 224 5-1 | 2 | 13:50 | | | | | 01.10 |
| | Mani fold 224 5-2 | 12 | | T | 7 | 1 | Not | |
| | 2 | | | | | | analyzad | 51/11 |
| | | | | | | | | 3-2 5.3 3.4 |
| | | | | | | | | 65F+ Manifold 224 5-2 |
| | | | | | | | | 65F+ Marifold 234 B-1 |
| | | | | | | | | |
| | | | | | | 200 200 - | | Building |
| , [| | | | | | | | |
| - | | | | | | | | 14th Street |

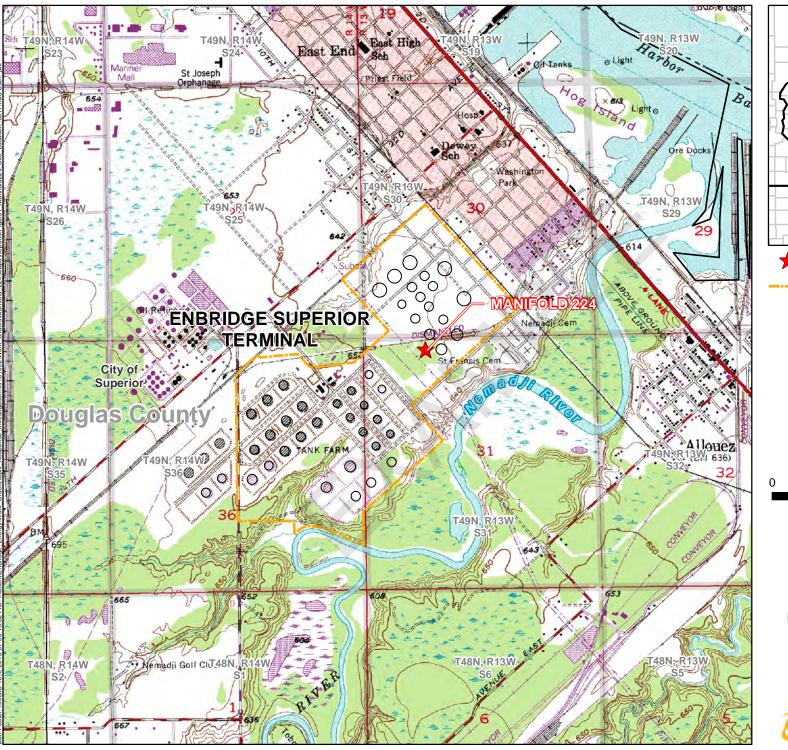
* See page 2 for Stockpile screening + sample in Furnation

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 |
|----------------------------|-------------------|---------------------------|--------------------------------|--------------------------------|---------|------------------|---------|---------|-------------|
| WDNR Groundwater | 1.3793 | 1.3793 | 0.0051 | 0.785 | 0.5536 | 1.97 | 0.3294 | | |
| WDNR Industrial Dire | 219 | 182 | 7.41 | 37 | 818 | 258 | 26 | | |
| Manifold-224-S-1 | 4-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







Terminal Property Boundary

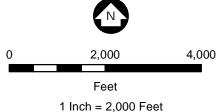


Figure 1

SITE LOCATION MANIFOLD 224 RESPONSE SUPERIOR TERMINAL

Enbridge Energy, L.P. Superior, Wisconsin



