

**APPENDICES TO FLOW PUBLIC COMMENTS ON THE JOINT APPLICATION OF  
ENBRIDGE ENERGY TO OCCUPY GREAT LAKES BOTTOMLANDS FOR ANCHORING  
SUPPORTS TO TRANSPORT CRUDE OIL IN LINE 5 PIPELINES IN THE STRAITS OF  
MACKINAC AND LAKE MICHIGAN [2RD-DFDK-Y35G]**

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## Jim Olson

---

**From:** Karla Gerds  
**Sent:** Monday, July 25, 2016 3:10 PM  
**To:** Jim Olson  
**Subject:** FW: FOIA 2016-01788 Re: Lakehead/Enbridge "Line 5"  
**Attachments:** 9-20-12 Call Notes.pdf; 9-30-11 Call Notes.pdf; 9-30-11 Call Notes2.pdf; 2012 DRA Project Notification.pdf; 2014 DRA Project As-Builts.pdf; FW: 369 signers: The Straits of Mackinac Enbridge, Inc. Pipeline petition; RE: Oil under the Mackinac Bridge: Protest planned this weekend over Enbridge pipeline | MLive.com; Target in-service date for increased thru-put on Line 5; Update on construction status for Line 5 DRA Project

Jim,

Below is the response from LARA for the FOIA request that I sent on behalf of FLOW on June 30. I have put all of the responses in an excel spreadsheet. Which is here: <S:\WPFILES\CLIENTS\FLOW for Water-5836 klg\Line 5 Straits of Mackinac\FOIA\Response to 6-30-16 FOIA Request.xlsx>

Thank you,

Karla Gerds  
Legal Assistant  
Olson, Bzdok & Howard  
[karla@envlaw.com](mailto:karla@envlaw.com)  
[www.envlaw.com](http://www.envlaw.com)

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**IMPORTANT NOTICE:** The information contained in this e-mail transmission is intended only for the use of the addressee. Its contents may be privileged, confidential, and exempt from disclosure under applicable law. If you have received this e-mail in error, please delete it or contact the sender at Olson, Bzdok & Howard, P.C.

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**From:** LARAFOIAInfo [mailto:LARAFOIAInfo@michigan.gov]  
**Sent:** Monday, July 25, 2016 9:07 AM  
**To:** Karla Gerds  
**Subject:** FOIA 2016-01788 Re: Lakehead/Enbridge "Line 5"

Karla Gerds  
Olson, Bzdok & Howard  
[karla@envlaw.com](mailto:karla@envlaw.com)

Dear Ms. Gerds:

The Michigan Department of Licensing and Regulatory Affairs (LARA) has received your request for public records and has processed it under the provisions of the Michigan Freedom of Information Act (FOIA), 1976 PA 442, MCL 15.231 *et seq.* Because of the nature of your request it was sent to the Michigan Public Service Commission (MPSC) to search for any non-exempt records that may be responsive to your request.

Your request has been **granted in part and denied in part**. Portions of your request are exempt from disclosure based on provisions set forth in the Act. (See comments below.)

**Comments:**

First, the website links below respond to the corresponding item numbers stated in the request:

1. Dockets listed below may contain this information.
2. Dockets U-286, U-983, U-1869, U-2391, U-2606, U-2804, and U-3207 may contain applications to the MPSC for increases in operating pressures.
3. Dockets U-286, U-983, U-1869, U-2391, U-2606, U-2804, and U-3207 contain MPSC approvals altering Line 5 facilities resulting in progressive increases in capacity. Links to MPSC orders are provided below.
4. See response to Request #3 above.
5. Dockets listed below may contain this information. Otherwise, Staff are not aware of any additional documents.
6. Dockets listed below may contain this information. Otherwise, Staff are not aware of any additional documents.

Below are all the orders in the MPSC system containing the company name "Lakehead" and pertaining to Line 5. The complete docket may be present in MPSC microfilm reels. The page numbers are the number of pages we've found in the microfilm for that docket.

U-286 – unknown pages

[http://www.dleg.state.mi.us/mpsc/orders/archive/pdfs/U-286\\_07-07-1960.PDF](http://www.dleg.state.mi.us/mpsc/orders/archive/pdfs/U-286_07-07-1960.PDF)

U-983 - unknown pages

[http://www.dleg.state.mi.us/mpsc/orders/archive/pdfs/U-983\\_05-17-1962.PDF](http://www.dleg.state.mi.us/mpsc/orders/archive/pdfs/U-983_05-17-1962.PDF)

U-1869 - unknown pages

[http://www.dleg.state.mi.us/mpsc/orders/archive/pdfs/U-1869\\_03-25-1965.PDF](http://www.dleg.state.mi.us/mpsc/orders/archive/pdfs/U-1869_03-25-1965.PDF)

U-2391 - unknown pages

[http://www.dleg.state.mi.us/mpsc/orders/archive/pdfs/U-2391\\_06-02-1966.PDF](http://www.dleg.state.mi.us/mpsc/orders/archive/pdfs/U-2391_06-02-1966.PDF)

U-2606 - unknown pages

[http://www.dleg.state.mi.us/mpsc/orders/archive/pdfs/U-2606\\_12-15-1966.PDF](http://www.dleg.state.mi.us/mpsc/orders/archive/pdfs/U-2606_12-15-1966.PDF)

U-2804 - unknown pages

[http://www.dleg.state.mi.us/mpsc/orders/archive/pdfs/U-2804\\_10-19-1967.PDF](http://www.dleg.state.mi.us/mpsc/orders/archive/pdfs/U-2804_10-19-1967.PDF)

U-2807 - unknown pages

[http://www.dleg.state.mi.us/mpsc/orders/archive/pdfs/U-2807\\_07-13-1967.PDF](http://www.dleg.state.mi.us/mpsc/orders/archive/pdfs/U-2807_07-13-1967.PDF)

U-2950 - unknown pages

[http://www.dleg.state.mi.us/mpsc/orders/archive/pdfs/U-2950\\_12-14-1967.PDF](http://www.dleg.state.mi.us/mpsc/orders/archive/pdfs/U-2950_12-14-1967.PDF)

U-3080 - unknown pages

[http://www.dleg.state.mi.us/mpsc/orders/archive/pdfs/U-3080\\_04-11-1968.PDF](http://www.dleg.state.mi.us/mpsc/orders/archive/pdfs/U-3080_04-11-1968.PDF)

U-3207 - unknown pages

[http://www.dleg.state.mi.us/mpsc/orders/archive/pdfs/U-3207\\_08-15-1968.PDF](http://www.dleg.state.mi.us/mpsc/orders/archive/pdfs/U-3207_08-15-1968.PDF)

U-3547 - unknown pages

[http://www.dleg.state.mi.us/mpsc/orders/archive/pdfs/U-3547\\_11-26-1969.PDF](http://www.dleg.state.mi.us/mpsc/orders/archive/pdfs/U-3547_11-26-1969.PDF)

U-8701 – 47 pages

[http://www.dleg.state.mi.us/mpsc/orders/archive/pdfs/U-8701\\_04-14-1987.PDF](http://www.dleg.state.mi.us/mpsc/orders/archive/pdfs/U-8701_04-14-1987.PDF)

U-9381 – 11 pages

[http://www.dleg.state.mi.us/mpsc/orders/archive/pdfs/U-9381\\_08-01-1989.PDF](http://www.dleg.state.mi.us/mpsc/orders/archive/pdfs/U-9381_08-01-1989.PDF)

U-9944 – 38 pages

[http://www.dleg.state.mi.us/mpsc/orders/archive/pdfs/U-9944\\_09-25-1991.PDF](http://www.dleg.state.mi.us/mpsc/orders/archive/pdfs/U-9944_09-25-1991.PDF)

U-9980 – 503 pages

[http://www.dleg.state.mi.us/mpsc/orders/archive/pdfs/U-9980\\_11-08-1991.PDF](http://www.dleg.state.mi.us/mpsc/orders/archive/pdfs/U-9980_11-08-1991.PDF)

U-10073 – unknown pages

[http://www.dleg.state.mi.us/mpsc/orders/archive/pdfs/U-10073\\_04-15-1992.PDF](http://www.dleg.state.mi.us/mpsc/orders/archive/pdfs/U-10073_04-15-1992.PDF)

U-10097 – 37 pages

[http://www.dleg.state.mi.us/mpsc/orders/archive/pdfs/U-10097\\_06-12-1992.PDF](http://www.dleg.state.mi.us/mpsc/orders/archive/pdfs/U-10097_06-12-1992.PDF)

U-10104 – 38 pages

[http://www.dleg.state.mi.us/mpsc/orders/archive/pdfs/U-10104\\_06-12-1992.PDF](http://www.dleg.state.mi.us/mpsc/orders/archive/pdfs/U-10104_06-12-1992.PDF)

U-10113 – 24 pages

[http://www.dleg.state.mi.us/mpsc/orders/archive/pdfs/U-10113\\_07-10-1992.PDF](http://www.dleg.state.mi.us/mpsc/orders/archive/pdfs/U-10113_07-10-1992.PDF)

U-10287 – 26 pages

[http://www.dleg.state.mi.us/mpsc/orders/archive/pdfs/U-10287\\_04-22-1993.PDF](http://www.dleg.state.mi.us/mpsc/orders/archive/pdfs/U-10287_04-22-1993.PDF)

Second, see the attached documents which correspond to items #7, #8, and #10.

Third, item #9 is denied. No records currently exist.

To the best of the LARA's knowledge, information, and belief, under the information provided by you or by any other description reasonably known to MPSC, the public records do not exist. (MCL 15.235(5)(b)).

If you have questions concerning this matter, please feel free to contact the LARA FOIA Office at [LARAFOIAInfo@michigan.gov](mailto:LARAFOIAInfo@michigan.gov). To review a copy of LARA's written public summary, procedures, and guidelines, go to [www.michigan.gov/lara](http://www.michigan.gov/lara).

*Section 10 of the FOIA provides that if a public body denies any portion of your FOIA, or charges a fee that exceeds the amount permitted under its publicly available procedures and guidelines, you may submit a written appeal to Director, Department of Licensing and Regulatory Affairs, P.O. Box 30004, Lansing, MI 48909. Your FOIA appeal must specifically state the word "appeal" and identify the reason(s) the fee or disclosure denial(s) should be reversed. You may also seek judicial review in an appropriate Michigan court within 45 days after a fee charge, or within 180 days after a denial notice. If you prevail in a court action regarding a fee charged or a disclosure denial, the court may award you reasonable attorney fees and punitive damages.*

Sincerely,





**Jim Olson**

---

**From:** Creisher, Cynthia (LARA) <CreisherC@michigan.gov>  
**Sent:** Thursday, July 11, 2013 5:26 PM  
**To:** Palnau, Judy (LARA)  
**Cc:** Ballinger, Brian (LARA); Chislea, David (LARA); Warner, Travis (LARA)  
**Subject:** RE: Oil under the Mackinac Bridge: Protest planned this weekend over Enbridge pipeline | MLive.com  
**Attachments:** FW: Enbridge Line 5 News release

Judy,

I found the news release (attached) that Enbridge sent us shortly after they discussed the expansion with us, but it doesn't give much detail other than it "can be economically achieved with upgrades or modifications of facilities and does not require installation of new pipeline."

I also found my notes from when they briefed us about the announcement. I noted that they would be upgrading pump stations, adding drag reducing agent to reduce friction in oil, and hydrostatically testing segments to eliminate pressure reductions to allow them to increase operating pressure.

Thanks,  
Cindy

-----Original Message-----

From: Ballinger, Brian (LARA)  
Sent: Thursday, July 11, 2013 8:09 AM  
To: Chislea, David (LARA); Warner, Travis (LARA); Creisher, Cynthia (LARA)  
Subject: Oil under the Mackinac Bridge: Protest planned this weekend over Enbridge pipeline | MLive.com

[http://www.mlive.com/news/index.ssf/2013/07/oil under the mackinac bridge.html#incart\\_river default](http://www.mlive.com/news/index.ssf/2013/07/oil_under_the_mackinac_bridge.html#incart_river_default)

## Jim Olson

---

**From:** Claudia Schrull <Claudia.Schrull@enbridge.com>  
**Sent:** Tuesday, December 04, 2012 10:00 AM  
**To:** Ballinger, Brian (LARA); Chislea, David (LARA); Warner, Travis (LARA)  
**Cc:** Thomas Hodge; Lisa Wilson; Arshia Javaherian; Amy Back  
**Subject:** Target in-service date for increased thru-put on Line 5

Hi Brian,

I received confirmation today that March 31, 2013 is our target in-service date for increasing the flow rate on Line 5. I will keep you posted if that date changes.

Best regard ..cs

Claudia Schrull

Sr. Mgr, US Regulatory Pipeline Development, EUS Legal

Enbridge Energy Company, Inc.

1100 Louisiana, Suite 3300

Houston, Tx 77002

Office: 713-821-2045

Cell: 832-731-9535

Email: [claudia.schrull@enbridge.com](mailto:claudia.schrull@enbridge.com)

---

**From:** Claudia Schrull

**Sent:** Monday, December 03, 2012 12:53 PM

**To:** Brian Ballinger ([ballingerb2@michigan.gov](mailto:ballingerb2@michigan.gov)); Chislea, David (LARA) ([chislead@michigan.gov](mailto:chislead@michigan.gov)); Travis Warner ([warnert3@michigan.gov](mailto:warnert3@michigan.gov))

**Cc:** Thomas Hodge ([thomas.hodge@enbridge.com](mailto:thomas.hodge@enbridge.com)); Lisa Wilson ([lisa.wilson@enbridge.com](mailto:lisa.wilson@enbridge.com)); Arshia Javaherian; Amy Back

**Subject:** FW: Update on construction status for Line 5 DRA Project

Hi Brian,

As a follow-up to our bi-weekly meeting last week, please find attached Line 5's construction status report that was sent to Travis and Dave on Nov. 19, 2012. Also, I am checking on your other question relative to the in-service date for increasing the flow rate on Line 5 from 490,000 barrels per day (bpd) to 540,000 bpd. I will forward to everyone the results of my findings upon receipt.

Dave and Travis, I have also attached the station plot plan for the DRA skid that will be installed within the existing Naubinway Station site.

Please feel free to call or email with any questions.

Best regards ...cs

Claudia Schrull

Sr. Mgr, US Regulatory Pipeline Development, EUS Legal

Enbridge Energy Company, Inc.

1100 Louisiana, Suite 3300

Houston, Tx 77002

Office: 713-821-2045

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Email: [claudia.schrull@enbridge.com](mailto:claudia.schrull@enbridge.com)

---

**From:** Claudia Schrull

**Sent:** Monday, November 19, 2012 6:14 AM

**To:** David (Dave) Chislea ([chislead@michigan.gov](mailto:chislead@michigan.gov)); Travis Warner ([warnert3@michigan.gov](mailto:warnert3@michigan.gov))

**Cc:** Thomas Hodge ([thomas.hodge@enbridge.com](mailto:thomas.hodge@enbridge.com)); Lisa Wilson ([lisa.wilson@enbridge.com](mailto:lisa.wilson@enbridge.com)); Arshia Javaherian; Amy Back

**Subject:** Update on construction status for Line 5 DRA Project

Hi Dave and Travis,

In accordance with your request, please find attached the construction status report for the Line 5 DRA Project. For your convenience, all updates are shown in red.

Please note that in the last 30-days, the Line 5 DRA Project has been updated to also include a new DRA skid at Enbridge's existing Naubinway Station site (as shown on Page 1 of the updated table). The scope of work at this station site is the same as all other DRA installations that are part of this Project. All work activities will be located within the existing station on land owned in fee by Enbridge. No new land will be required and no landowners will be affected by this station work. A plot plan for the Naubinway Station is being developed and will be provided to you as soon as it is completed.

Please feel free to call or email me if you have any questions or concerns.

Hope you have a wonderful Thanksgivings with your family. Look forward to talking with you on Thursday, November 29, 2012 at our bi-weekly meeting.

Best regards ...cs

Claudia Schrull

Sr. Mgr, US Regulatory Pipeline Development, EUS Legal

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**Enbridge Energy, Limited Partnership**  
1100 Louisiana, Suite 3300  
Houston, Texas 77002

**Claudia Schrull**  
Manager, Regulatory Pipeline Development  
Tel (713) 821-2045  
Cell (832) 731-9535  
Claudia.schrull@enbridge.com

July 16, 2012

Ms. Mary Jo Kunkle  
Executive Secretary  
Michigan Public Service Commission  
4300 W. Saginaw  
Lansing, MI 48917-2171

**RECEIVED**  
**MICHIGAN PUBLIC SERVICE COMMISSION**

RE: Enbridge Energy, Limited Partnership  
Line 5 – DRA Project

**JUL 16 2012**

Dear Ms. Kunkle:

**OPERATIONS & WHOLESALE  
MARKETS DIVISION**

Consistent with 1929 PA 16; MCL 483.1 et seq., this correspondence is to provide notification to the Michigan Public Service Commission ("MPSC" or "Commission") of Enbridge Energy, Limited Partnership's ("Enbridge") plans to make minor upgrades to seven of its existing pump stations on Line 5<sup>1</sup> in Gogebic, Iron, Mackinac, Cheboygan, Bay, Lapeer and St. Clair Counties, Michigan. No new land will be required for these minor upgrades as all work activities will be performed within the existing station sites which Enbridge owns in fee. The scope of this project, referenced as Line 5 – DRA Project ("Project"), involves the installation of new, and replacement of existing, DRA (drag reducing agent) skids, including all valves and appurtenances, as described in more detail on Table No. 1 below. In addition, the Project involves making certain minor modifications to the header piping and pumping assemblies at Indian River and Bay City Station sites, and installing a spare meter run at the existing Marysville Station in Marysville, Michigan.

<sup>1</sup> Line 5 is a crude oil and petroleum pipeline, which extends from Superior, Wisconsin through the Upper and Lower Peninsulas of Michigan before terminating at Sarnia, Ontario

Upon the completion of these station upgrades, Enbridge will be able to increase the flow rate of Line 5 from 490,000 barrels per day (bpd) to 540,000 bpd. The increased flow rate is needed in order for Enbridge to meet the rising demand of its shippers to transport additional light crude oil supplies to refinery markets in the upper Midwest and eastern Ontario.

Over the past 12 months, shippers experienced monthly apportionment on this pipeline. However, once completed, this Project will help to alleviate these capacity constraints by increasing the flow rate approximately 50,000 bpd to serve these refinery markets. Based on shipper requests and market assessments, Enbridge plans to start construction in mid-July 2012, with a target in-service date for the increased flow rate in March 31, 2013. This Project will not increase the overall maximum operating pressure of Line 5.

Enbridge plans to hydrotest Line 5 in the counties of Delta, Schoolcraft, Montmorency, Ogemaw, and Bay, Michigan. This will enable Enbridge to verify and document the operating pressure in these sections to be consistent with the overall current maximum operating pressure of Line 5. All hydrotesting will be implemented in compliance with the U.S. Department of Transportation, Pipeline Hazardous Material Safety Administration, Office of Pipeline Safety (OPS) under 49 CFR, Part 195 of OPS' rules and regulations.

An overview map of Line 5 and its existing stations is attached herein as Exhibit A. Additionally, Enbridge encloses as Exhibit B, a full description of each station location and the related station upgrades and modifications as identified on Table No. 1. Each station upgrade is accompanied with a station plot plan, which provides an overview of the related station site and the location of such work activities.

Should the Commission or its Staff require further information or have any questions regarding the upgrades and modifications planned for any of the Line 5 station sites, I am available at the contact numbers identified above.

Very truly yours,



Claudia Schull  
Manager, Regulatory Pipeline Development

Enclosures  
cc: Brian Ballinger

<b>Table No. 1</b> <b>Project Scope for Line 5 – DRA Project</b>					
<b>Exhibit No</b>	<b>Station</b>	<b>State</b>	<b>County</b>	<b>Scope of Work</b>	<b>Station Plot Plan</b>
<b>B.1</b>	Gogebic	MI	Gogebic	<ul style="list-style-type: none"> <li>• Install new DRA skid including all valves and appurtenances</li> </ul>	<b>B.1.a</b>
<b>B.2</b>	Iron River	MI	Iron	<ul style="list-style-type: none"> <li>• Deactivate existing DRA skid</li> <li>• Install new DRA skid including all valves and appurtenances</li> </ul>	<b>B.2.a</b>
<b>B.3</b>	Gould City	MI	Mackinac	<ul style="list-style-type: none"> <li>• Install new DRA skid including all valves and appurtenances</li> </ul>	<b>B.3.a</b>
<b>B.4</b>	Indian River	MI	Cheboygan	<ul style="list-style-type: none"> <li>• Deactivate existing DRA skid</li> <li>• Modify existing pumping assembly including all unit piping, valves and appurtenances</li> <li>• Replace certain station header piping including all valves and appurtenances</li> </ul>	<b>B.4.a</b>
<b>B.5</b>	Bay City	MI	Bay	<ul style="list-style-type: none"> <li>• Deactivate existing DRA skid</li> <li>• Install new DRA skid including all valves and appurtenances</li> <li>• Modify existing pumping assembly including all unit piping, valves and appurtenances</li> <li>• Replace certain station header piping including all valves and appurtenances</li> </ul>	<b>B.5.a</b>
<b>B.6</b>	North Branch	MI	Lapeer	<ul style="list-style-type: none"> <li>• Deactivate existing DRA skid</li> <li>• Install new DRA skid including all valves and appurtenances</li> </ul>	<b>B.6.a</b>
<b>B.7</b>	Marysville	MI	St. Clair	<ul style="list-style-type: none"> <li>• Install spare meter run including all valves and appurtenances at existing meter station site</li> </ul>	<b>B.7.a</b>





Enbridge Energy, Limited Partnership  
1100 Louisiana, Suite 3300  
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Sr. Manager, Regulatory Pipeline Development  
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Cell (832) 731-9535  
Claudia.schrull@enbridge.com

June 5, 2014

RECEIVED

JUN 06 2014

EXECUTIVE SECRETARY

Ms. Mary Jo Kunkle  
Executive Secretary  
Michigan Public Service Commission  
4300 W. Saginaw  
Lansing, MI 48917-2171

RE: Enbridge Energy, Limited Partnership  
Submittal of Final As-Built Station Plot Plans for Line 5 DRA Project

Dear Ms. Kunkle:

Consistent with 1929 PA 16; MCL 483.1 et seq.; and pertaining to Enbridge Energy, Limited Partnership's ("Enbridge") submittal on July 16, 2012 to the Michigan Public Service Commission ("Commission") of its plans to make minor station upgrades at existing pump/meter station sites on Line 5, as amended in subsequent construction reports. During a scheduled conference call to provide an update of the project, Commission Staff requested Enbridge to provide "as-built" maps upon the completion of the installation of the new and/or upgraded facilities.

Based on that request, Enbridge hereby submits as Attachment A, the Final As-Built Station Plot Plans for each station site where upgrades have been installed. All station work within the existing station sites has been completed, as listed on Table 1 attached.

Enbridge has successfully increased the flow rate on Line 5 from 490,000 barrels per day (bpd) to 540,000 bpd, without increasing the maximum operating pressure on the line.

*JS*  
*not a direct request,*  
*Saty,*  
*Went to*  
*with 1 pph*  
*at the*  
*Rezone Area*



**Enbridge Energy, Limited Partnership  
Submittal of Final As-Built Station Plot Plans  
Line 5 DRA Project**

Should the Commission or its Staff require further information or have any questions regarding this submission, I am available at the contact numbers identified above.

Very truly yours,



Claudia Schrull  
Sr. Manager,  
Regulatory Pipeline Development  
EUS Law

Attachments: Table 1 and Final As-Built Station Plot Plans

cc: Mr. Travis Warner  
Michigan Public Service Commission

**Enbridge Energy, Limited Partnership**  
**Submittal of Final As-Built Station Plot Plans**  
**Line 5 DRA Project**

<b>Table 1</b> <b>Line 5 DRA Project</b>			
<b>Station</b>	<b>County</b>	<b>State</b>	<b>Scope of Work Completed</b>
<b>Gogebic</b>	Gogebic	Michigan	<ul style="list-style-type: none"> <li>• DRA Skid completed and in service.</li> </ul>
<b>Iron River</b>	Iron	Michigan	<ul style="list-style-type: none"> <li>• DRA Skid completed and in service.</li> </ul>
<b>Gould City</b>	Mackinac	Michigan	<ul style="list-style-type: none"> <li>• DRA Skid completed.</li> <li>• DRA Skid removed from Gould City and installed at Mackinaw Station.</li> </ul>
<b>Naubinway</b>	Mackinac	Michigan	<ul style="list-style-type: none"> <li>• DRA Skid completed and in service.</li> </ul>
<b>Mackinaw</b>	Emmet	Michigan	<ul style="list-style-type: none"> <li>• DRA Skid completed and in service.</li> </ul>
<b>Indian River</b>	Cheboygan	Michigan	<ul style="list-style-type: none"> <li>• Pumping Unit replaced and in service.</li> <li>• Station Header Piping replaced and in service.</li> </ul>
<b>Bay City</b>	Bay	Michigan	<ul style="list-style-type: none"> <li>• DRA Skid completed and in service.</li> <li>• Pumping Unit replaced and in service.</li> <li>• Station Header Piping replaced and in service.</li> </ul>
<b>North Branch</b>	Lapeer	Michigan	<ul style="list-style-type: none"> <li>• DRA Skid completed and in service.</li> </ul>
<b>Marysville</b>	St. Clair	Michigan	<ul style="list-style-type: none"> <li>• Meter Run including all valves and appurtenances completed and in service.</li> </ul>

S T A T E   O F   M I C H I G A N  
BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

\* \* \* \* \*

In the matter of the petition of )  
LAKEHEAD PIPE LINE COMPANY, INC., )  
for approval of the installation )  
of a fourth pumping unit at its )  
Gould City pumping station in )  
Mackinac County. )  

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Case No. U-286

At a session of the Michigan Public Service Commission  
held at its offices in the city of Lansing, Michigan, on the  
7th day of July, A. D. 1960.

PRESENT: Hon. George E. Hill, Chairman  
Hon. Thomas M. Burns, Commissioner  
Hon. James H. Lee, Commissioner

ORDER APPROVING PUMPING STATION CONSTRUCTION

On June 2, 1960, Lakehead Pipe Line Company, Inc., filed  
a petition with this Commission seeking approval of the in-  
stallation of a fourth pumping unit in its Gould City pumping  
station on its 30-inch common carrier crude oil pipeline near  
Gould City in Mackinac County. This Commission, by its Order  
D-3903-57.3, dated November 14, 1957, approved the construc-  
tion of the Gould City pumping station with one 900 hp and

two 1,750 hp electric motor-driven units. Such order recognized the petitioner's plan for the addition of a fourth pumping unit in the future. The Michigan portion of the 30-inch pipeline, which is a part of the common carrier system which transports crude oil from Western Canada to Sarnia, Ontario, was constructed under authority of Order D-3903-53.1, dated March 31, 1953. The 30-inch pipeline downstream of the Gould City station was tested to 840 psig after construction, which qualified the pipeline for a maximum operating pressure of 670 psig at the discharge side of the station. The pipeline and the station were constructed and tested in compliance with the requirements of Section 3 of American Standards Association Code B31.1-1955, "Code for Pressure Piping."

Petitioner represents that the forecasted throughput of crude oil for the year 1961 indicates that it is necessary to increase the capacity of the 30-inch pipeline. This augmented capacity will be provided by the installation of the proposed additional 1,750 hp electric motor-driven pumping unit at the Gould City station. The new capacity resulting from this additional horsepower will be approximately 333,500 barrels of crude oil per day.

The company filed an engineering report with its petition showing the specifications of the proposed new pumping unit.



The anticipated hydraulic gradient for the pipeline under maximum flow conditions between Superior, Wisconsin, and Sarnia, Ontario, after completion of proposed construction was also filed to show that the installation of the new pumping unit will not result in excessive operating pressures at any point on the pipeline. It is further represented that the proposed new unit will be designed, constructed and installed in accordance with the same ASA Code B31.1-1955 under which the original installation was constructed, and will be controlled and protected by the same fail-safe system as the existing units.

The Commission has carefully considered the matter and FINDS that no new question of public interest appears to be involved and that the public safety will be adequately protected without the time and expense of a public hearing.

The Commission FURTHER FINDS that the 30-inch oil pipeline as presently constructed and tested is qualified for a maximum discharge pressure at the Gould City pumping station of 670 psig, and that the installation of the proposed fourth pumping unit will not cause maximum operating pressures to be exceeded under conditions proposed in the petition.

NOW, THEREFORE, IT IS HEREBY ORDERED by the Michigan Public Service Commission that the petition of Lakehead Pipe Line

Company, Inc., to install a fourth pumping unit in its Gould City pumping station in Mackinac County be and the same is hereby approved.

IT IS FURTHER ORDERED that, except as modified hereby, the provisions of Orders D-3903-53.1 and D-3903-57.3, covering the original construction of the 30-inch pipeline and the Gould City pumping station, shall remain in effect.

The Commission retains jurisdiction of the matters herein contained and the authority to issue such further order or orders as the facts and circumstances may require.

MICHIGAN PUBLIC SERVICE COMMISSION

( S E A L )

/s/ George E. Hill

\_\_\_\_\_  
Chairman

/s/ Thomas M. Burns

By the Commission and  
pursuant to its action  
of July 7, 1960

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Commissioner

/s/ James H. Lee

/s/ Norman Berkowitz

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Commissioner

\_\_\_\_\_  
Its Secretary

S T A T E   O F   M I C H I G A N  
BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

\* \* \* \* \*

In the matter of the petition of	)	
LAKEHEAD PIPE LINE COMPANY, INC.,	)	
for approval of the installation	)	
of five additional pumping stations	)	Case No. U-983
on its 30" common carrier oil pipe-	)	
line.	)	
<hr/>		

At a session of the Michigan Public Service Commission  
held at its offices in the city of Lansing, Michigan, on the  
17th day of May, A. D. 1962.

PRESENT:   Hon. James H. Inglis, Chairman  
             Hon. Thomas M. Burns, Commissioner  
             Hon. John E. Tormey, Commissioner

ORDER APPROVING INSTALLATION OF  
ADDITIONAL PUMPING STATION FACILITIES

On May 14, 1962, Lakehead Pipe Line Company, Inc., filed  
a petition with this Commission seeking approval of the installa-  
tion of five additional pumping stations on its 30" common  
carrier oil pipeline as follows:

Gogebic, Marenisco Township, Gogebic County  
Rapid River, Masonville Township, Delta County  
Mackinaw, Wawatam Township, Emmet County  
Lewiston, Lovells Township, Crawford County  
North Branch, North Branch Township, Lapeer County

Petitioner represents that the capacity of its present oil pipeline system is approximately 333,500 barrels of crude oil per day. The capacity of the system after installation of the said pumping stations will be increased to 416,000 barrels of crude oil per day. Petitioner represents that its throughputs as forecast for 1963 indicates the necessity of the proposed increase in capacity.

Petitioner submitted an engineering study setting forth in detail the exact location of said pumping stations, the specifications of the piping, pumping equipment, controls, power and electric equipment, and protective system.

The proposed maximum discharge pressure of the five stations is as follows:

Gogebic	509 psig
Rapid River	584 psig
Mackinaw	584 psig
Lewiston	492 psig
North Branch	539 psig

Petitioner represents that the pressure test conducted on its main line in 1953 was at least 1.25 times the above proposed maximum discharge pressures and submitted a hydraulic gradient study to show that under the proposed operating conditions the maximum allowable operating pressure of the main pipeline as previously authorized by the Commission would not be exceeded.



Petitioner represents that the station piping will be designed, constructed and tested in accordance with the requirements of the American Standard Code for Pressure Piping, ASA B31.4-1959 "Oil Transportation Piping." The size and number of units for each station are as follows:

Gogebic	1 - 1,250 hp. and 2 - 2,250 hp. units
Rapid River	1 - 900 hp. and 2 - 1,750 hp. units
Mackinaw	1 - 1,250 hp. and 2 - 2,250 hp. units
Lewiston	1 - 1,000 hp. and 2 - 2,000 hp. units
North Branch	1 - 1,250 hp. and 2 - 2,500 hp. units

All pumps will be driven by electric motors, and suitable safety devices will cause shut-down of any station for reasons of excessive pressures, temperatures, or vibration. The proposed installations will be controlled and protected by the same fail-safe system as the existing facilities.

The Commission has carefully considered this matter and FINDS that no new question of public interest appears to be involved and that the public safety will be adequately protected without the time and expense of a public hearing.

The Commission FURTHER FINDS that the 30" oil pipeline as presently constructed and tested is qualified for maximum discharge pressures at the several pump stations as specified above, and that installation of the proposed pump stations will not cause maximum allowable operating pressures to be exceeded under conditions proposed in the petition.

NOW THEREFORE, IT IS HEREBY ORDERED by the Michigan Public

Service Commission that the petition of Lakehead Pipe Line Company, Inc., for authority to install five additional pump stations on its 30" common carrier oil pipeline, located respectively at Gogebic, Rapid River, Mackinaw, Lewiston and North Branch, be and the same is hereby approved.

IT IS FURTHER ORDERED that the maximum discharge pressure at said pumping stations be limited to 509 psig, 584 psig, 584 psig, 492 psig and 539 psig, respectively.

IT IS FURTHER ORDERED that, except as modified by subsequent action of the Commission, the provisions of Order D-3903-53.1 covering the original construction of the 30" pipeline shall remain in effect.

The Commission specifically reserves jurisdiction of the matters herein contained and the authority to issue such further order or orders as the facts and circumstances may require.

( S E A L )

MICHIGAN PUBLIC SERVICE COMMISSION

/s/ James H. Inglis

By the Commission and  
pursuant to its action  
of May 17, 1962

\_\_\_\_\_  
Chairman

/s/ Thomas M. Burns

/s/ Norman Berkowitz

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Commissioner

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Its Secretary

/s/ John E. Tormey

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Commissioner

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S T A T E O F M I C H I G A N

BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

\* \* \* \* \*

In the matter of the application of )  
LAKEHEAD PIPE LINE COMPANY, INC. for )  
authority to increase its pumping ) Case No. U-1869  
stations discharge pressures. )  
\_\_\_\_\_)

At a session of the Michigan Public Service Commission  
held at its offices in the city of Lansing, Michigan, on the  
25th day of March, A. D. 1965.

PRESENT: Hon. Peter B. Spivak, Chairman  
Hon. John E. Tormey, Commissioner  
Hon. George Washington, Commissioner

ORDER AUTHORIZING INCREASED DISCHARGE  
PRESSURES OF PUMP STATIONS

On February 2, 1965, Lakehead Pipe Line Company, Inc.  
(Lakehead) filed an application to increase the discharge pressures  
at pumping stations on its common carrier oil pipeline system con-  
structed and in operation within the state of Michigan.

After due notice, a public hearing was held in this matter  
on March 11, 1965.

Lakehead showed that it operates a common carrier pipeline

system in the United States in conjunction with the operation of Interprovincial Pipeline Company of Canada (Interprovincial). Interprovincial's system extends from Edmonton, Alberta, Canada, to the United States border near Humboldt, Minnesota, at which point its facilities are connected to Lakehead's system. Lakehead's system extends across northern Minnesota to Superior, Wisconsin, thence across northern Wisconsin to Ironwood, Michigan. From Ironwood, Lakehead's system extends easterly across the Upper Peninsula of Michigan, across the Straits of Mackinac by a submarine crossing, and thence to Marysville, Michigan, where it crosses the United States border to Sarnia, Ontario, where it connects with facilities of Interprovincial. Lakehead showed that it renders service in the United States by delivering crude oil shipments to various points in Wisconsin and Michigan, including Rapid River, West Branch, Bay City, and Port Huron.

Lakehead introduced testimony through its chief engineer, Mr. Roger Clute, showing that the company was initially authorized to construct and operate that portion of its system within the state of Michigan by this Commission's Order D-3903-53.1, dated March 31, 1953, as supplemented by Order D-3903-53.2, dated May 29, 1953. Said order limited the maximum operating pressure of such pipeline system. Such orders anticipated that in the future pump stations would be built in Michigan, but did not specifically authorize construction of same. By order D-3903-57.1, dated

April 10, 1957, this Commission authorized the construction and operation of a pump station at Indian River. Thereafter, by orders dated March 27, 1958, May 22, 1959, and May 17, 1962, this Commission authorized the construction of additional pump stations at Gould City, Bay City, Iron River, Gogebic, Rapid River, Mackinaw, Lewiston, and North Branch. In each case such orders specified the maximum discharge pressures of such pump stations, reflecting the above-mentioned limitation of maximum operating pressure of the pipeline initially specified in the Commission's orders issued in 1953.

Lakehead showed that its pipeline system is constructed of pipe with various wall thicknesses. The presently authorized maximum discharge pressures and proposed increased maximum discharge pressures at its several pump stations are as shown in the following table:

<u>Pump Station</u>	<u>Wall Thickness</u>	<u>Present Maximum Discharge Pressure</u>	<u>Proposed Maximum Discharge Pressure</u>
Gogebic	9/32 in.	509 psig	633 psig
Iron River	5/16 in.	600 psig	703 psig
Rapid River	9/32 in.	584 psig	633 psig
Gould City	11/32 in.	670 psig	775 psig
Mackinaw	9/32 in.	584 psig	633 psig
Indian River	5/16 in.	600 psig	703 psig
Lewiston	9/32 in.	492 psig	633 psig
Bay City	5/16 in.	632 psig	703 psig
North Branch	9/32 in.	539 psig	633 psig

The company represented that increased volumes of medium gravity crude oil shipped by its customers have had the effect of decreasing the capacity of its pipeline from 416,000 barrels per day to 408,000 per day, that requirements of its customers have increased to 425,000 barrels per day, and that such increased capacity may be obtained by increasing the discharge pressures at its several pump stations.

The company further showed that it has successfully tested its pipeline system by application of hydraulic pressure at its several pump stations as follows:

<u>Pump Station</u>	<u>Test pressure</u>
Gogebic	696 psig
Iron River	773 psig
Rapid River	696 psig
Gould City	853 psig
Mackinaw	696 psig
Indian River	773 psig
Lewiston	696 psig
Bay City	773 psig
North Branch	696 psig

Such testing was accomplished during the period from November 1, to November 4, 1964, and the company submitted recording pressure charts in proof thereof.

The company showed that the maximum design pressure of its pipeline system computed in accordance with the requirements of the American Standards Association Code ASA B31.4-1959, Oil Transportation Piping, exceeds the present and proposed maximum

discharge pressure at its several pump stations. Such Code provides that a pipeline may be operated at a design pressure resulting in stress equal to 72% of the specified minimum yield of the pipe.

The company further showed that the maximum discharge pressures as proposed would result in stress not to exceed 65% of the minimum yield point of the pipe utilized in construction of its facilities, and that in each case the mill test imposed during manufacture of such pipe substantially exceeds not only the proposed maximum discharge pressure at each of its pump stations but also exceeds the test pressures noted above. The company further showed that the test pressure imposed in November, 1964, will qualify such pipeline system for operation at the proposed maximum discharge pressures, under the requirements of Section 437.4 of said ASA B31.4 Code that such pipelines be tested at 110% of the maximum operating pressure.

The Commission staff introduced a statement into the record indicating that it had checked and agreed with the representations of the company, and it recommended that the authority sought should be granted.

The Commission has given careful consideration to this matter and FINDS that:



A. Lakehead Pipe Line Company, Inc., is a common carrier pipeline company which is subject to the jurisdiction of the Commission, and is presently rendering service in the state of Michigan.

B. The public safety will be reasonably protected if the maximum discharge pressure of petitioner's several pump stations is increased as proposed.

C. The authority sought should be granted.

NOW, THEREFORE, IT IS HEREBY ORDERED by the Michigan Public Service Commission that Lakehead Pipe Line Company, Inc. is hereby authorized to increase the discharge pressures of its several pump stations located on its common carrier oil pipeline system in the state of Michigan as proposed herein.

The Commission specifically reserves jurisdiction of the matters herein contained and the authority to issue such further order or orders as the facts and circumstances may require.

MICHIGAN PUBLIC SERVICE COMMISSION

( S E A L )

By the Commission and pursuant  
to its action of March 25, 1965.

/s/ Norman Berkowitz  
Its Secretary

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/s/ Peter B. Spivak  
Chairman

/s/ John E. Tormey  
Commissioner

/s/ George Washington  
Commissioner

S T A T E O F M I C H I G A N  
BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

\* \* \* \* \*

In the matter of the petition of )  
LAKEHEAD PIPE LINE COMPANY, INC. )  
for approval of the construction )  
of intermediate pumping stations. )  

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Case No. U-2391

At a session of the Michigan Public Service Commission held  
at its offices in the city of Lansing, Michigan, on the 2nd day  
of June, A. D. 1966.

PRESENT: Hon. Peter B. Spivak, Chairman  
Hon. John E. Tormey, Commissioner  
Hon. Willis F. Ward, Commissioner

ORDER APPROVING PUMPING STATION CONSTRUCTION

On May 20, 1966, Lakehead Pipe Line Company, Inc., filed a  
petition with this Commission seeking approval of the construction  
and operation of two new pumping stations on its 30" common carrier  
oil pipeline system, one located near the city of Manistique,  
Michigan, and the other located near the city of West Branch,  
Michigan. A report containing engineering specifications applicable  
to the 30" pipeline and to the pumping stations was attached to the  
petition. Such report further set forth the test pressures applied

to the existing pipeline, and proposed maximum discharge pressures of the subject pumping stations, together with a hydraulic gradient study covering the present and proposed operation of such facilities.

The company represented that its pipeline downstream of both proposed pumping stations is constructed of 30" diameter steel pipe having a wall thickness of .281 inches, manufactured in accordance with American Petroleum Institute specification API 5LX-52, having a minimum specified yield strength of 52,000 psi, mill tested at 880 psig. The maximum allowable operating pressure for pipe having such specifications pursuant to the requirements of the American Standards Association Code B31.4-1959, Oil Transportation Piping, is 701 psig. Such Code further provides that a test pressure of 110% of the maximum operating pressure must be applied before a pipeline subject to same is placed in operation.

The company represented that a test pressure of 808 psig was applied to the pipeline downstream of its proposed Manistique pumping station, which will qualify such pipeline for operation at a maximum pressure of 701 psig. Accordingly, the company proposed to limit the discharge pressure of its Manistique station to 701 psig. The company further represented that a test pressure of 629 psig was applied to the pipeline downstream of its proposed

West Branch pumping station, which will qualify such pipeline for operation at a maximum pressure of 572 psig. Accordingly, the company will limit the discharge pressure of its West Branch station to 572 psig. Both stations will be remotely controlled from Superior, Wisconsin, or if necessary by manual control, and will be equipped with pressure limiting and safety shutdown devices sensitive to anomalies in pressure, temperature, and low voltage.

The station crude oil piping at both stations will be designed, constructed, and tested to qualify same for operation at a maximum pressure of 701 psig under the requirements of said ASA Code B31.4. Sump pump discharge lines will be designed, constructed, and tested to qualify for operation at a maximum pressure of 375 psig. Test pressures will be 770 psig and 413 psig, respectively.

Petitioner represented that its present throughput capacity is approximately 425,000 barrels of crude oil per day, and that the capacity of its system after the proposed pumping stations have been placed in operation will be approximately 480,000 barrels of crude oil per day.

The Commission staff has submitted a report indicating it is in agreement that the 30" Lakehead pipeline is qualified for operation at a maximum pumping station discharge pressure of 701 psig

at the Manistique station, and that said pipeline is qualified for a maximum pumping station discharge pressure of 572 psig at the West Branch station, all in accordance with the requirements of ASA Code B31.4. The Commission staff further indicated that in its opinion the public safety would be adequately protected if the subject facilities are operated as proposed.

The Commission has given this matter careful consideration and FINDS that:

A. The public interest in this matter will be adequately protected without the time and expense of a public hearing.

B. The approval sought herein should be granted.

NOW, THEREFORE, IT IS HEREBY ORDERED by the Michigan Public Service Commission that:

1. The petition of Lakehead Pipe Line Company, Inc., to construct and operate a pumping station on its 30" common carrier oil pipeline at Manistique, Michigan, and to construct a pumping station on said pipeline at West Branch, Michigan, be and the same is hereby approved.

2. The maximum discharge pressure of the Manistique station shall be 701 psig, and the maximum discharge pressure of the West Branch station shall be 572 psig.

3. After completion of construction of the subject facilities, Lakehead Pipe Line Company, Inc., shall promptly file a report covering the test pressures applied to the station piping, and successful test operation of the safety shutdown devices.

The Commission specifically reserves jurisdiction of the matters herein contained and the authority to issue such further order or orders as the facts and circumstances may require.

MICHIGAN PUBLIC SERVICE COMMISSION

( S E A L )

/s/ Peter B. Spivak  
Chairman

/s/ John E. Tormey  
Commissioner

/s/ Willis F. Ward  
Commissioner

By the Commission and pursuant  
to its action of June 2, 1966.

/s/ Knight D. McKesson  
Its Secretary

S T A T E O F M I C H I G A N

BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

\* \* \* \* \*

In the matter of the application of )  
LAKEHEAD PIPE LINE COMPANY, INC., for )  
authority to increase operating )  
pressures. )  
\_\_\_\_\_ )

Case No. U-2606

At a session of the Michigan Public Service Commission held  
at its offices in the city of Lansing, Michigan, on the 15th day  
of December, A. D. 1966.

PRESENT: Hon. Peter B. Spivak, Chairman  
Hon. John E. Tormey, Commissioner  
Hon. Willis F. Ward, Commissioner

ORDER APPROVING INCREASED PUMP STATION  
DISCHARGE PRESSURES

On December 5, 1966, Lakehead Pipe Line Company, Inc., filed  
an application for authority to increase the maximum discharge  
pressures of three pump stations known as its Mackinaw, Bay City,  
and North Branch pump stations located near said communities in  
Michigan. The company represented that the presently approved  
maximum discharge pressures at its eight other pump stations will  
remain unchanged.



The company's application recited the several orders heretofore issued by this Commission applicable to the construction and operation of its common carrier crude oil pipeline transportation facilities, commencing with the construction of its 30-inch pipeline extending approximately 600 miles from Ironwood, Michigan, to Marysville, Michigan, in 1953, and covering the later construction of eleven pump stations located in Michigan over a nine-year period from 1957 to 1966, inclusive. Each of said orders prescribed maximum operating pressure of such pipeline and related maximum discharge pressures of said pump stations. The company's application further cited the Commission's order in Case No. U-1869, dated March 25, 1965, which approved increased discharge pressures at the company's then existing nine pump stations, contingent on hydrostatic tests applied to the sections of the pipeline downstream from the several pump stations. In summary, the company's application sets forth the following tabulation, which covers the present and proposed operations of its systems.

<u>Pump Station</u>	<u>Wall Thickness</u>	<u>Present Maximum Discharge Pressure</u>	<u>Proposed Maximum Discharge Pressure</u>
Gogebic	9/32 in.	633 psig	No change
Iron River	5/16 in.	701 psig	No change
Rapid River	9/32 in.	633 psig	No change
Manistique	5/16 in.	701 psig	No change
Gould City	11/32 in.	775 psig	No change
Mackinaw	9/32 in.	633 psig	701 psig
Indian River	5/16 in.	701 psig	No change
Lewiston	9/32 in.	633 psig	No change
West Branch	9/32 in.	572 psig	No change
Bay City	5/16 in.	701 psig	779 psig
North Branch	9/32 in.	633 psig	701 psig

The company represented that in order to requalify its pipeline for operation under the requirements of the American Standards Association Code B31.4-1959, Oil Transportation Piping Systems, at the proposed pressures, it made a series of hydrostatic pressure tests on the sections of its pipeline downstream from said three pump stations as follows:

<u>Pump Station</u>	<u>Test Pressure</u>
Mackinaw	771 psig
Bay City	857 psig
North Branch	771 psig

Said hydrostatic test pressures were applied between July 19 and October 26, 1966. The test pressures applied are 110% of the proposed maximum discharge pressures, in accordance with the requirements of said ASA B31.4 Code. The company submitted a map showing the location of the sections of pipeline so tested, copies of recording pressure charts showing the hydrostatic test pressures applied to such sections of pipeline and engineering specifications showing that the proposed increases in maximum discharge pressure are in accordance with the requirements of American Standards Association Code B31.4.

The company represented that its present pipeline capacity is 495,000 barrels per day and that after the proposed increase in station discharge pressures, its pipeline capacity will be increased

to 505,000 barrels per day. The company represented that present and forecast operations of its pipeline facilities necessitate the proposed increase in capacity.

The Commission staff has submitted a report indicating it has reviewed the map, recording pressure gage charts, and engineering specifications submitted by the company, and in its opinion the public safety will be reasonably protected under the proposed increase in pump station discharge pressures.

The Commission has given this matter careful consideration and FINDS that the authority sought by Lakehead Pipe Line Company, Inc., should be granted.

THEREFORE, IT IS ORDERED by the Michigan Public Service Commission that the maximum discharge pressures of Lakehead Pipe Line Company's Mackinaw, Bay City, and North Branch pump stations shall be 701 psig, 779 psig, and 701 psig, respectively.

IT IS FURTHER ORDERED that Lakehead Pipe Line Company Inc., shall in all other respects comply with the requirements of this Commission's several orders covering the construction and operation of its common carrier crude oil pipeline transportation facilities.

The Commission specifically reserves jurisdiction of the

matters herein contained and the authority to issue such further order or orders as the facts and circumstances may require.

MICHIGAN PUBLIC SERVICE COMMISSION

/s/ Peter B. Spivak  
Chairman

( S E A L )

/s/ John E. Tormey  
Commissioner

/s/ Willis F. Ward  
Commissioner

By the Commission and pursuant to  
its action of December 15, 1966.

/s/ Knight D. McKesson  
Its Secretary

S T A T E O F M I C H I G A N  
BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

\* \* \* \* \*

In the matter of the petition of )  
LAKEHEAD PIPE LINE COMPANY, INC., )  
for approval of construction of )  
intermediate pumping stations and )  
additional pumping units in exist- )  
ing stations. )  
\_\_\_\_\_ )

Case No. U-2804

At a session of the Michigan Public Service Commission held  
at its offices in the city of Lansing, Michigan, on the 19th day  
of October, A. D. 1967.

PRESENT: Hon. Peter B. Spivak, Chairman  
Hon. Willis F. Ward, Commissioner  
Hon. William A. Boos, Jr., Commissioner

ORDER APPROVING CONSTRUCTION  
OF PUMPING STATIONS AND ADDITIONAL PUMPING UNITS  
IN EXISTING STATIONS

On June 30, 1967, Lakehead Pipe Line Company, Inc., filed a  
petition for approval of construction and operation of eight inter-  
mediate pumping stations located on its 30-inch common carrier oil  
pipeline. The company's petition was subsequently amended on  
October 9, 1967. The locations of said facilities are set forth  
below.



1. Wakefield            Located in Section 28, T47N, R44W,  
Gogebic County
2. Watersmeet        Located in Section 34, T45N, R39W,  
Gogebic County
3. Arnold             Located in Section 1, T42N, R26W,  
Marquette County
4. Naubinway         Located in Section 21, T43N, R8W,  
Mackinac County
5. Eagles Nest        Located in Section 25, T36N, R3W,  
Cheboygan County
6. Vanderbilt        Located in Section 13, T32N, R2W,  
Otsego County
7. Vassar             Located in Section 2, T11N, R7E,  
Tuscola County
8. Brockway           Located in Section 3, T7N, R14E,  
St. Clair County

In addition, the company requested approval of the installation and operation of additional pumping units in the following existing pump stations:

1. Gould City         Located in Section 20, T43N, R11W,  
Mackinac County
2. Indian River      Located in Section 21, T34N, R2W,  
Cheboygan County
3. Bay City            Located in Section 10, T14N, R4E,  
Bay County

The company represented that the above facilities are necessary to meet forecast critical through-puts, and that the additional power

will increase the present capacity of its pipeline from 480,000 to 563,000 barrels per day.

The company further submitted detailed engineering data covering the design, construction, and operation of the proposed additional pump stations and installation of the additional pumping units at its existing stations, and represented that all piping will be designed and tested to conform with the requirements of the USAS B31.4-1966 Code. The stations will be equipped with remote control and automatic shut-down safety devices to protect the pipeline from overpressure. The company submitted further data showing the test pressures applied to its pipeline and proposed maximum discharge pressures at the eleven pump stations mentioned above will be as follows:

<u>Station</u>	<u>Test Pressure, psi</u>	<u>Proposed Maximum Discharge Pressure, psi</u>
Wakefield	668	534
Watersmeet	594	475
Arnold	622	498
Gould City	853	775*
Naubinway	872	698
Eagles Nest	753	602
Indian River	773	701*
Vanderbilt	657	525
Bay City	857	779*
Vassar	818	654
Brockway	768	614

\*Maximum Discharge Pressures at these existing Stations have been approved by Orders of the Michigan Public Service Commission

The company represented that the maximum working pressure at the Wakefield, Watersmeet, Arnold, Naubinway, Eagles Nest, Vanderbilt, Vassar, and Brockway pumping stations will not exceed 80% of the test pressures applied to its 30-inch pipeline at the locations of such stations, and that such pressure limitations will satisfy the requirements of the Code for Pressure Piping, ASA B31.1, Section 3, Oil Piping, and the USAS B31.4-1966, Code for Oil Transportation Piping, both of which require that a pipeline shall be hydrostatically tested to at least 1.25 times the maximum working pressure within the meaning of such Code. As noted above, the Commission's records show it has previously approved the maximum discharge pressures applicable to the Gould City, Indian River, and Bay City pump stations.

The Commission staff has submitted a report indicating it is in agreement that the 30-inch Lakehead pipeline is qualified for operation at the maximum pumping station discharge pressures set forth in the above table, all in accordance with the requirements of said Codes.

The Commission has given this matter careful consideration and FINDS that:

A. The public interest in this matter will be adequately protected without the time and expense of a public hearing.

B. The approval sought herein should be granted.

THEREFORE, IT IS ORDERED by the Michigan Public Service Commission that:

1. The petition of Lakehead Pipe Line Company, Inc., to construct and operate eight intermediate pump stations and to install and operate additional pumping units at three existing pump stations is hereby approved.

2. The maximum discharge pressure at said pump stations shall be limited to the maximum discharge pressures as set forth in the above table.

3. After completion of construction of the subject facilities, Lakehead Pipe Line Company, Inc., shall promptly file a report covering the test pressures applied to the station piping, and successful test operation of the safety shut-down devices.

The Commission specifically reserves jurisdiction of the matters herein contained and the authority to issue such further order or orders as the facts and circumstances may require.

MICHIGAN PUBLIC SERVICE COMMISSION

( S E A L )

/s/ Peter B. Spivak  
Chairman

By the Commission and pursuant  
to its action of Oct. 19, 1967.

/s/ Willis F. Ward  
Commissioner

/s/ Knight D. McKesson  
Its Secretary

/s/ William A. Boos, Jr.  
Commissioner

STATE OF MICHIGAN  
BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

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In the matter of the application of )  
LAKEHEAD PIPE LINE COMPANY, INC., for )  
authority to issue and sell \$30,000,000 )  
principal amount of \_\_\_\_% Sinking Fund )  
Debentures, Series A, due 1992. )

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Case No. U-2807

At a session of the Michigan Public Service Commission held at its offices in the city of Lansing, Michigan, on the 13th day of July, A. D. 1967.

PRESENT: Hon. Peter B. Spivak, Chairman  
Hon. Willis F. Ward, Commissioner  
Hon. William A. Boos, Jr., Commissioner

SECURITIES

On July 6, 1967, Lakehead Pipe Line Company, Inc. (Lakehead), filed an application with the Commission seeking authority to issue and sell \$30,000,000 principal amount of \_\_\_\_% Sinking Fund Debentures, Series A, due 1992. A hearing on the application was held at the offices of the Commission in the city of Lansing, Michigan, on July 11, 1967.

From the application filed and the testimony and exhibits presented at the hearing, the Commission FINDS that:

A. Lakehead is a Delaware corporation with its principal office located in Superior, Wisconsin. It owns and operates a pipeline system extending from the Canadian boundary, adjacent to North Dakota, across the northern portions of the states of Minnesota, Wisconsin, and Michigan, to a point on the Michigan-Ontario boundary near Port Huron, Michigan. Another short section of its line runs from the Ontario-New York boundary



to the city of Buffalo, New York.

B. In conjunction with Interprovincial Pipe Line Company (Interprovincial), a Canadian corporation which owns all of the common stock of Lakehead, Lakehead operates as a common carrier for the transportation of crude oil and other liquid hydrocarbons between the producing areas of Western Canada and refining operations located principally in Ontario.

C. Lakehead had outstanding as of April 30, 1967, \$28,147,000 principal amount of First Mortgage Pipe Line Bonds, all of which were owned by its parent, Interprovincial. It has issued and outstanding 400,000 shares of its \$50 par value capital stock having an aggregate par value of \$20,000,000; all of this stock is held by Interprovincial. This Commission has previously authorized the issuance of securities by Lakehead in Order No. D-3902-53.1, dated March 19, 1953, and Order No. D-3902-54.1, dated March 19, 1954.

D. Lakehead is currently engaged in a 1967 construction program which is estimated to require expenditures of approximately \$24,000,000, of which approximately \$14,000,000 is for 101 miles of 34" line paralleling existing lines from the International boundary crossing in North Dakota into Superior, Wisconsin. An amount of approximately \$10,000,000 is being expended for addition of pumping equipment and remote control equipment for existing pumping stations, the construction of additional pumping stations, and certain other facilities. Several of these construction projects are located in Michigan.

E. To provide funds for carrying out the construction program, Lakehead proposes to issue and sell \$30,000,000 of its \_\_\_\_% Sinking Fund Debentures, Series A, due 1992. These debentures will be unconditionally guaranteed by Lakehead's parent, Interprovincial.

F. The proposed debentures are to be issued under and pursuant to the provisions of an Indenture and a First Supplemental Indenture to be dated as of July 15, 1967, between Lakehead, Interprovincial as guarantor, and Chemical Bank New York Trust Company as trustee.

G. Lakehead will negotiate the sale of the proposed debentures with a group of underwriters represented by The First Boston Corporation. The negotiations will include the determination of the interest rate, the price to be paid to Lakehead by the underwriters, the price to the public, and the redemption prices if the debentures are redeemed in whole or in part prior to maturity as well as the redemption price for sinking fund purposes. Appropriate filings have been and will be made with the Securities and Exchange Commission under the requirements of the Securities Act of 1933.

H. The use of the capital to be acquired by the issuance and sale of debentures is reasonably necessary and appropriate for Lakehead to carry out its corporate purposes; the funds derived from such issuance and sale are to be applied to lawful corporate purposes; and the issue and amount thereof are essential to the successful carrying out of such purposes.

I. The required security issuance fee of \$12,894 has been paid.

IT IS ORDERED that:

1. Lakehead Pipe Line Company, Inc., hereby is authorized to issue and sell \$30,000,000 principal amount of \_\_\_\_% Sinking Fund Debentures, Series A, due 1992.

2. Lakehead Pipe Line Company, Inc., hereby is authorized to execute and deliver the Indenture and First Supplemental Indenture supporting said debentures in substantially the form submitted to the Commission as exhibits in this case.

3. On or before January 31, 1968, Lakehead Pipe Line Company, Inc., shall file with the Commission a verified statement setting forth the proceeds received from the issuance of the debentures and the commissions, expenses, and other costs incurred in connection with the sale.

4. On or before January 31, 1968, Lakehead Pipe Line Company, Inc., shall file with the Commission a copy of each of the following documents as finally executed: (A) the Underwriting Agreement; (B) the Indenture; (C) the First Supplemental Indenture; and (D) the final Prospectus.

The Commission specifically reserves jurisdiction of the matters herein contained and the authority to issue such further order or orders as the facts and circumstances may require.

MICHIGAN PUBLIC SERVICE COMMISSION

/s/ Peter B. Spivak  
Chairman

( S E A L )

/s/ Willis F. Ward  
Commissioner

By the Commission and pursuant  
to its action of July 13, 1967.

/s/ William A. Boos, Jr.  
Commissioner

/s/ Knight D. McKesson  
Its Secretary

S T A T E   O F   M I C H I G A N  
B E F O R E   T H E   M I C H I G A N   P U B L I C   S E R V I C E   C O M M I S S I O N

\* \* \* \* \*

In the matter of the petition of	)	
LAKEHEAD PIPE LINE COMPANY, INC.,	)	
a foreign corporation, for refund of	)	
fees paid to the Public Service	)	Case No. U-2950
Commission in connection with the	)	
approval and issuance of securities	)	
in the years 1953 and 1954.	)	
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At a session of the Michigan Public Service Commission held at its offices in the city of Lansing, Michigan, on the 14th day of December, A. D. 1967.

PRESENT:   Hon. Peter B. Spivak, Chairman  
             Hon. Willis F. Ward, Commissioner  
             Hon. William A. Boos, Jr., Commissioner

REFUND OF SECURITY ISSUE FEE

Lakehead Pipe Line Company, Inc., is a Delaware corporation which is authorized to do business in Michigan. It operates an oil pipeline system as a common carrier in interstate and foreign commerce; a portion of the system is located in Michigan.

On December 1, 1967, Lakehead filed a petition requesting a refund of a portion of a security issue fee previously paid. By letter received December 8, 1967, Lakehead requested that an amendment be made in paragraph 7 of its petition.

The following paragraphs contain a brief review of security issues authorized by the Commission and security issue fees paid by Lakehead.

By its order No. D-3902-53.1, dated March 19, 1953, the Commission approved Lakehead's then existent capital structure consisting of 100,000 shares of

common stock, \$50 par value, First and Second Series Mortgage Bonds in the amount of \$18,750,000 and \$2,250,000, respectively, and granted Lakehead authority to issue 300,000 additional shares of common stock, \$50 par value, and Third Series Mortgage Bonds in the amount of \$60,000,000 for the purpose of obtaining funds to pay for the construction of an extension to its pipeline system from Superior, Wisconsin, thence across the Upper and Lower Peninsulas of Michigan to the international boundary in the St. Clair River south of the city of Port Huron.

In connection with the aforesaid application and order, Lakehead paid to the state of Michigan a statutory security fee in the amount of \$60,000 and, in respect thereto, the Commission's Order No. D-3902-53.1 provided the following:

"That a security fee in the amount of \$60,000.00 has been tendered and, contingent upon the final amount of securities issued by Applicant at the conclusion of the construction hereinbefore mentioned, the security fee tendered is subject to being increased or the excessive portion thereof, if any, being repaid to Applicant."

Pursuant to said order of the Commission, Lakehead issued the additional 300,000 shares of common stock and its Third Series Mortgage Bonds in the amount of \$55,000,000 instead of \$60,000,000 as authorized, whereupon following the completion of the pipeline extension a recomputation of the statutory fee owing by Lakehead under its order No. D-3902-53.1 was made by the Commission as follows:

(Property within Michigan)				
\$ 58,179,007		\$96,000,000		
<hr/>		(Securities outstanding	x	$\frac{1}{1,000}$
\$ 95,042,952		as of December 31, 1953)		= \$58,764.84
(Total Property)				

Since Lakehead had paid to the Commission a security fee in the amount of \$60,000 as aforesaid, it was therefore entitled to a refund of \$1,235.16 which it received by way of credit on a subsequent fee owing the Commission described in the succeeding paragraphs hereof.

Pursuant to a written application of Lakehead, the Commission by its order No. D-3902-54.1, dated March 19, 1954, authorized Lakehead to issue the balance of \$5,000,000 Third Series Mortgage Bonds which had not theretofore been issued under the Commission's Order No. D-3902-53.1 and further authorized Lakehead to issue Fourth Series Mortgage Bonds in the amount of \$15,000,000, all for the purpose of further construction work.

At the time of the issuance of the Commission's Order No. D-3902-54.1 the statutory fee was tentatively computed according to the following formula:

$$\begin{array}{rcl} \text{(Property within Michigan)} & \$20,000,000 & \\ \$ 58,179,007 & \text{(Securities authorized)} & \\ \hline \$115,042,952 & \text{to be issued March 19, 1954)} & \times \frac{1}{1,000} = \$10,114.31 \\ \text{(Total Property)} & & \end{array} \times$$

The overpayment of the fee in connection with the Commission's Order No. D-3902-53.1 was credited to the aforesaid fee computed in connection with the Commission's Order No. D-3902-54.1 so that Lakehead then paid the Commission the cash sum of \$8,879.15. Under item 14 of the Findings in order No. D-3902-54.1 the said computed fee was made contingent upon the final amount of securities issued by Lakehead at the conclusion of the construction work contemplated. Said item 14 reads as follows:

"That a security fee in the amount of \$8,879.15 has been tendered and contingent upon the final amount of securities issued by Petitioner at the conclusion of the construction hereinbefore mentioned, the security fee mentioned is subject to being increased or the excessive portion thereof, if any, being repaid to the Petitioner."

Pursuant to said order of the Commission (No. D-3902-54.1) Lakehead issued the balance of the Third Series Mortgage Bonds in the amount of \$5,000,000 and the Fourth Series Mortgage Bonds in the amount of \$8,000,000. The balance of \$7,000,000 of the Fourth Series Mortgage Bonds authorized by said order was not issued and, hence, under Article 14 of said order the statutory fee should be recomputed according to the following formula:

$$\frac{\begin{array}{l} \text{(Property within Michigan)} \\ \$ 58,462,811 \\ \hline \$110,881,901 \\ \text{(Total Property)} \end{array}}{\quad} \times \$13,000,000 \times \frac{1}{1,000} = \$ 6,854.29$$

After careful consideration of the facts and circumstances set forth above, the Commission FINDS that:

A. Lakehead has issued only \$8,000,000 principal amount of its Fourth Series Mortgage Bonds instead of the \$15,000,000 principal amount authorized by the Commission in its order No. D-3902-54.1; it does not propose to issue the remaining principal amount of \$7,000,000.

B. Lakehead has paid to the state of Michigan its security issue fee based on the anticipated issuance of the full \$15,000,000 principal amount of its Fourth Series Mortgage Bonds.

C. Lakehead is entitled to a refund of a portion of its previously paid security issue fee in the amount of \$3,260.02 since the full amount of bonds authorized was not actually issued.

D. Authority granted by Commission Order D-3902-54.1 to issue \$15,000,000 principal amount of Fourth Series Mortgage Bonds should be amended so as to provide for the issuance of only \$8,000,000 principal amount of this series.

IT IS ORDERED that:



1. Authority for Lakehead Pipe Line Company, Inc., to issue \$15,000,000 principal amount of its Fourth Series Mortgage Bonds granted in Commission Order D-3902-54.1 hereby is amended to provide for the issuance of \$8,000,000 principal amount of said bonds; authority for the issuance of the remaining \$7,000,000 principal amount hereby is canceled.

2. Lakehead Pipe Line Company, Inc., is entitled to a refund of \$3,260.02, which is the difference between the security issue fee paid (\$10,114.31) in connection with the authority granted by the Commission in its order D-3902-54.1 and the proper security issue fee (\$6,854.29) based on securities actually issued.

The Commission specifically reserves jurisdiction of the matters herein contained and the authority to issue such further order or orders as the facts and circumstances may require.

MICHIGAN PUBLIC SERVICE COMMISSION

/s/ Peter B. Spivak  
Chairman

( S E A L )

By the Commission and pursuant to  
its action of December 14, 1967.

/s/ Willis F. Ward  
Commissioner

/s/ Earl B. Klomparens  
Acting Secretary

/s/ William A. Boos, Jr.  
Commissioner

S T A T E O F M I C H I G A N  
BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

\* \* \* \* \*

In the matter of the application of )	
LAKEHEAD PIPE LINE COMPANY, INC., for )	
authority to issue and sell \$75,000,000 )	Case No. U-3080
principal amount of __% Sinking Fund )	
Debentures, Series B, due 1993. )	
_____ )	

At a session of the Michigan Public Service Commission held at its offices in the city of Lansing, Michigan, on the 11th day of April, A. D. 1968.

PRESENT: Hon. Peter B. Spivak, Chairman  
Hon. Willis F. Ward, Commissioner  
Hon. William A. Boos, Jr., Commissioner

S E C U R I T I E S

On March 27, 1968, Lakehead Pipe Line Company, Inc., (Lakehead) filed an application with the Commission seeking authority to issue and sell \$75,000,000 principal amount of \_\_% Sinking Fund Debentures, Series B, due 1993. A hearing on the application was held at the offices of the Commission in the city of Lansing, Michigan, on April 5, 1968.

From the application filed and the testimony and exhibits presented at the hearing, the Commission FINDS that:

A. Lakehead is a Delaware corporation with its principal office located in Superior, Wisconsin. It owns and operates a pipeline system extending from the Canadian boundary, adjacent to North Dakota, across the northern portions of the states of Minnesota, Wisconsin, and Michigan, to a point on the Michigan-Ontario boundary near Port Huron, Michigan. Another short section of its line runs from the Ontario-New York boundary to the city of Buffalo, New York.

B. In conjunction with Interprovincial Pipe Line Company (Interprovincial), a Canadian corporation which owns all of the common stock of Lakehead, Lakehead operates as a common carrier for the transportation of crude oil and other liquid hydrocarbons between the producing areas of Western Canada and refining operations located principally in Ontario.

C. Lakehead had outstanding as of December 31, 1967, \$30,037,000 principal amount of first mortgage pipe line bonds, all of which were owned by its parent, Interprovincial, and Series A, 6 1/2% Sinking Fund Debentures, principal amount \$30,000,000, guaranteed by Interprovincial. It has issued and outstanding 400,000 shares of its \$50 par value capital stock having an aggregate par value of \$20,000,000; all of this stock is held by Interprovincial. This Commission has previously authorized the issuance of securities by Lakehead in Order No. D-3902-53.1, dated March 19, 1953; Order

No. D-3902-54.1, dated March 19, 1954; and by an order dated July 13, 1967, under Case No. U-2807.

D. Applicant's 1968 construction program is estimated to require expenditures of approximately \$84,000,000, of which approximately \$76,000,000 is for 464 miles of 34-inch pipeline from Superior, Wisconsin, to the area of Chicago, Illinois. Of the remaining expenditures, \$4,000,000 is for 33 miles of 34-inch pipe paralleling Lakehead's existing line near Natchez, North Dakota, to Superior, Wisconsin, and the balance is for additional pumping equipment, a tank, and other minor additions.

E. To provide funds for carrying out the construction program, Lakehead proposes to issue and sell \$75,000,000 of its \_\_\_% Sinking Fund Debentures, Series B, due 1993. These debentures will be unconditionally guaranteed by Lakehead's parent, Interprovincial.

F. The proposed debentures are to be issued under and pursuant to the provisions of an Indenture dated as of August 1, 1967, and a Second Supplemental Indenture to be dated as of April 15, 1968, between Lakehead, Interprovincial as guarantor, and Chemical Bank New York Trust Company, as trustee.

G. Lakehead will negotiate the sale of the proposed debentures with a group of underwriters represented by The First Boston Corporation. The negotiations will include the determination of the interest rate, the price to be paid to Lakehead by the underwriters,

the price to the public, and the redemption prices if the debentures are redeemed in whole or in part prior to maturity as well as the redemption price for sinking fund purposes. Appropriate filings have been and will be made with the Securities and Exchange Commission under the requirements of the Securities Act of 1933.

H. The use of the capital to be acquired by the issuance and sale of debentures is reasonably necessary and appropriate for Lakehead to carry out its corporate purposes; the funds derived from such issuance and sale are to be applied to lawful corporate purposes; and the issue and amount thereof are essential to the successful carrying out of such purposes.

I. Lakehead and the Commission's staff disagreed concerning the required security issue fee under section 11 of Act 419, P. A. 1919. Lakehead contended that the percentage of Michigan property to total property should be based on a pro forma figure as of December 31, 1968, so as to reflect planned construction to be financed by the proceeds of the proposed debenture issue. This percentage would be 26.8. The staff contended that the percentage should be determined on the latest available factual data, which in this instance is the property distribution at December 31, 1967. This percentage is 38.53. The Commission concludes that the method proposed by the staff is correct. Lakehead has paid the required fee of \$28,897.50 on this basis.

IT IS ORDERED that:

1. Lakehead Pipe Line Company, Inc., hereby is authorized to issue and sell \$75,000,000 principal amount of \_\_\_% Sinking Fund Debentures, Series B, due 1993.

2. Lakehead Pipe Line Company, Inc., hereby is authorized to execute and deliver the Second Supplemental Indenture supporting said debentures in substantially the form submitted to the Commission as an exhibit in this case.

3. On or before November 30, 1968, Lakehead Pipe Line Company, Inc., shall file with the Commission a verified statement setting forth the proceeds received from the issuance of the debentures and the commissions, expenses, and other costs incurred in connection with the sale.

4. On or before November 30, 1968, Lakehead Pipe Line Company, Inc., shall file with the Commission a copy of each of the following documents as finally executed: (A) the Underwriting Agreement; (B) the Second Supplemental Indenture; and (C) the final Prospectus.

The Commission specifically reserves jurisdiction of the matters herein contained and the authority to issue such further

order or orders as the facts and circumstances may require.

MICHIGAN PUBLIC SERVICE COMMISSION

/s/ Peter B. Spivak  
Chairman

( S E A L )

/s/ Willis F. Ward  
Commissioner

/s/ William A. Boos, Jr.  
Commissioner

By the Commission and pursuant  
to its action of April 11, 1968.

/s/ Knight D. McKesson  
Its Secretary



S T A T E   O F   M I C H I G A N  
BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

\* \* \* \* \*

In the matter of the petition of )	
LAKEHEAD PIPE LINE COMPANY, INC., )	
for approval of revised operating )	Case No. U-3207
pressures. )	
_____ )	

At a session of the Michigan Public Service Commission held at its offices in the city of Lansing, Michigan, on the 15th day of August, A. D. 1968.

PRESENT: Hon. Peter B. Spivak, Chairman  
Hon. Willis F. Ward, Commissioner  
Hon. William A. Boos, Jr., Commissioner

ORDER APPROVING REVISED  
MAXIMUM DISCHARGE PRESSURES  
AT CERTAIN PUMP STATIONS

On August 2, 1968, Lakehead Pipe Line Company, Inc., filed a petition seeking authority to revise the maximum operating pressures of certain portions of its interstate common carrier oil pipeline system. The company represented that pursuant to various orders issued by this Commission it is presently authorized to operate its pump stations at the following maximum discharge pressures:

Gogebic	633	psig	North Branch	701	psig
Iron River	703	"	Wakefield	534	"
Manistique	701	"	Watersmeet	475	"
West Branch	572	"	Arnold	498	"
Rapid River	633	"	Naubinway	698	"
Gould City	775	"	Eagles Nest	602	"
Mackinaw	701	"	Vanderbilt	525	"
Indian River	703	"	Vassar	654	"
Lewiston	633	"	Brockway	614	"
Bay City	779	"			

The company represented that the present and forecast throughputs of its system necessitate increasing the capacity of its pipeline, and proposes to increase the maximum discharge pressures of certain pump stations as follows:

<u>Station</u>	<u>Present Pressure</u>	<u>Proposed Pressure</u>
Watersmeet	475 psig	579 psig
Vanderbilt	525 "	607 "
West Branch	572 "	642 "

The company represented that such increased maximum discharge pressures will increase the capacity of its system approximately 10,000 barrels per day to a total of approximately 536,000 barrels of crude oil per day.

The company filed an engineering report showing that at present the discharge pressures of said pump stations result in an operating stress of less than 60% of the specified minimum yield strength of the pipe, and that the proposed discharge pressures will result in an operating stress level of approximately 65% of the specified minimum yield strength of the pipe.

The engineering report further shows that the pipeline downstream from each of said three pump stations was retested hydrodynamically for 24 hours at a pressure equal to 125% of the proposed increased discharge pressure, as follows:

Watersmeet Station to Iron River Station - 27.8 miles  
Test Pressure - 724 psig

Vanderbilt Station to Lewiston Station - 22.1 miles  
Test Pressure - 759 psig

West Branch Station to Bay City Station - 44.6 miles  
Test Pressure - 803 psig

The company represented that such requalification test is in accordance with the requirements of the United States Standards Institute Code B31.4-1966, Liquid Petroleum Transportation Piping Systems. Copies of the test pressure charts and other information are included in said engineering report.

The Commission staff has submitted a report indicating a staff member witnessed such hydrodynamic tests, and indicating the staff's agreement that such tests qualify the said sections of pipeline for operation at the proposed maximum discharge pressures at said three pump stations.

The Commission has given this matter careful consideration and FINDS that:

A. The public interest in this matter will be adequately protected without the time and expense of a public hearing.

B. The proposed increased maximum discharge pressures at the Watersmeet, Vanderbilt and West Branch pump stations should be approved.

THEREFORE, IT IS ORDERED that:

1. Lakehead Pipe Line Company, Inc., is hereby authorized to operate the following pump stations at the maximum discharge pressures specified below:

Watersmeet	579 psig
Vanderbilt	607 "
West Branch	642 "

2. The company shall file a report with the Commission indicating the date such increased maximum discharge pressures are placed in effect.

The Commission specifically reserves jurisdiction of the matters herein contained and the authority to issue such further order or orders as the facts and circumstances may require.

MICHIGAN PUBLIC SERVICE COMMISSION

( S E A L )

By the Commission and pursuant  
to its action of August 15, 1968.

/s/ Knight D. McKesson  
Its Secretary

/s/ Peter B. Spivak  
Chairman

/s/ Willis F. Ward  
Commissioner

/s/ William A. Boos, Jr.  
Commissioner

S T A T E   O F   M I C H I G A N  
BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

\* \* \* \* \*

In the matter of the application of )	
LAKEHEAD PIPE LINE COMPANY, INC., for )	
authority to issue notes in an aggregate )	Case No. U-3547
amount of \$35,000,000. )	
_____ )	

At a session of the Michigan Public Service Commission held at its offices in the city of Lansing, Michigan, on the 26th day of November, 1969.

PRESENT: Hon. Willis F. Ward, Chairman  
Hon. William A. Boos, Jr., Commissioner  
Hon. Lenton G. Sculthorp, Commissioner

S E C U R I T I E S

On October 27, 1969, Lakehead Pipe Line Company, Inc., (Applicant) filed an application seeking authority to issue notes in an aggregate amount of \$35,000,000. A hearing on the application was held at the offices of the Commission in the city of Lansing, Michigan, on November 20, 1969.

From the application and the testimony and exhibits presented at the hearing, the Commission FINDS that:

A. Applicant is a Delaware corporation with its principal office located in Superior, Wisconsin. Applicant owns and operates

a pipeline system extending from the international boundary line between the United States and Canada near Necho, North Dakota, through the states of North Dakota, Minnesota, Wisconsin, Illinois, Indiana and Michigan to the international boundary line between the United States and Canada near Port Huron, Michigan; and from the international boundary line between the United States and Canada in the Niagara River near the town of Grand Island, New York to the city of Buffalo, New York. Full and detailed information as to the course and location of Applicant's pipeline system in Michigan is on file with the Commission.

B. Applicant's sole business is the operation of the pipeline system as a common carrier for others for the transportation of crude oil and other liquid hydrocarbons in interstate and foreign commerce exclusively.

C. Applicant has a total authorized capital of \$25,000,000 consisting of 500,000 authorized shares of Capital Stock, par value of \$50 per share. As of June 30, 1969, a total of 400,000 shares of the Capital Stock were issued and outstanding and held by Interprovincial Pipe Line Company.

D. The total book cost of all of Applicant's property, plant and equipment as of December 31, 1968 was \$263,510,790 and the total book cost of the property, plant and equipment located in the state of Michigan as of that date was \$68,925,995 or 26.16% of the total.

E. Applicant proposes, pursuant to the resolution passed by its Board of Directors on December 11, 1968, to issue to Agency, Bank of Montreal five notes, each in the principal amount of \$7,000,000, with interest payable monthly on the outstanding balances at a floating rate equal to one-half of one percent (1/2 of 1%) over the New York prime rate as set by the majority of The Chase Manhattan Bank, Chemical Bank and New York Trust Company and The First National City Bank, all of New York City. The first of these notes will become due and payable on December 31, 1970; the second on December 31, 1971; the third on December 31, 1972; the fourth on December 31, 1973 and the last on December 31, 1974.

F. The purpose of issuing the proposed notes is to refund demand notes issued to Agency, Bank of Montreal as shown below:

<u>Date of Issue</u>	<u>Amount</u>
March 19, 1969	\$ 2,500,000
April 2, 1969	1,500,000
April 14, 1969	3,500,000
April 17, 1969	1,000,000
May 5, 1969	1,500,000
May 19, 1969	1,000,000
June 2, 1969	1,500,000
June 9, 1969	3,000,000
June 25, 1969	1,000,000
July 9, 1969	1,000,000
July 29, 1969	2,000,000
July 31, 1969	1,000,000
August 13, 1969	1,500,000
August 18, 1969	500,000
August 28, 1969	1,000,000
September 15, 1969	1,700,000
September 22, 1969	2,000,000
October 14, 1969	5,400,000
October 21, 1969	1,400,000
October 28, 1969	1,000,000
	<u>\$35,000,000</u>

G. The use of the capital to be acquired by the issuance of the notes is reasonably necessary and appropriate for Applicant to carry out its corporate purposes; the funds derived from the issuance and sale are to be applied to lawful corporate purposes; and the issue and amount are essential to the successful carrying out of those purposes.

H. The required statutory fee of \$9,156, based on the ratio of Applicant's Michigan property to its total property (26.16%), has been paid.

THEREFORE, IT IS ORDERED that:

1. Lakehead Pipe Line Company, Inc., is authorized to issue its notes in an aggregate amount of \$35,000,000 as proposed.

2. On or before March 31, 1970, Lakehead Pipe Line Company, Inc., shall file with the Commission a verified statement setting forth the proceeds received from the issuance of its notes and the commissions, expenses, and other costs incurred in connection with the issue.

The Commission specifically reserves jurisdiction of the matters herein contained and the authority to issue such further



order or orders as the facts and circumstances may require.

MICHIGAN PUBLIC SERVICE COMMISSION

/s/ Willis F. Ward  
Chairman

( S E A L )

/s/ William A. Boos, Jr.  
Commissioner

/s/ Lenton G. Sculthorp  
Commissioner

By the Commission and pursuant  
to its action of Nov. 26, 1969.

/s/ Earl B. Klomparens  
Its Secretary

S T A T E O F M I C H I G A N  
BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

\* \* \* \* \*

In the matter of the application of  
LAKEHEAD PIPE LINE COMPANY, INC. for  
approval to construct, operate and  
maintain a pump station in Mackinac  
County, Michigan.

Case No. U-8701

At a session of the Michigan Public Service Commission held at its offices  
in the city of Lansing, Michigan, on the 14th day of April, 1987.

PRESENT: Hon. William E. Long, Chairperson  
Hon. Edwyna G. Anderson, Commissioner  
Hon. Matthew E. McLogan, Commissioner

OPINION AND ORDER

On February 17, 1987, Lakehead Pipe Line Company, Inc. (Lakehead) filed an application pursuant to 1929 PA 16 for approval to construct, operate and maintain a pump station and auxiliary equipment.

Lakehead has an existing 30-inch O.D. common carrier pipeline crossing northern Michigan from a point near Ironwood, Michigan, on the westerly boundary line of the upper peninsula via the Straits of Mackinac to a point on the international boundary in the St. Clair River, south of the city of Port Huron, Michigan. The crude oil or petroleum products can be delivered to points in Michigan, other states and Canada. There are currently 11 pump stations operating on the Michigan portion of this pipeline. Lakehead is proposing to increase the capacity of its northern Michigan pipeline by approximately 20,000 barrels per day through the construction of one additional pump station. The pump station will be equipped with one 2,500 hp electric motor operating a single-stage centrifugal pump.

The pump station will be located on a five-acre tract located adjacent to Lakehead's existing 30-inch O.D. pipeline in the NW/4 of Section 21, T43N, R8W, Hudson Township, Mackinaw County, Michigan.

Filed with the application were a plot plan, site plan, route sheet and general highway map for Mackinaw County. Engineering specifications covering the design, materials, construction, testing and operation of the proposed facilities and applicable codes under which the facilities will be constructed were attached to the application. An Environmental Report was also filed. In addition, Lakehead filed its explicit authorized acceptance of the provisions of 1929 PA 16, as amended.

The Staff has conducted an environmental review of the application and concludes that construction of the proposed facilities would not constitute a "major state activity" as defined in part 4 of the State of Michigan Guidelines for the Preparation and Review of Environmental Impact Statements under Executive Order 1974-4. Therefore, an Environmental Impact Statement was not prepared.

The Commission FINDS that:

a. Jurisdiction is pursuant to 1929 PA 16, as amended, MCL 483.1 et seq.; 1919 PA 419, as amended, MCL 460.51 et seq; 1939 PA 3, as amended, MCL 460.1 et seq.; 1970 PA 127, MCL 691.1201 et seq.; 1969 PA 306, as amended, MCL 24.201 et seq.; and the Commission's Rules of Practice and Procedure, 1979 Administrative Code, R 460.11 et seq.

b. Lakehead has complied with the requirements of 1929 PA 16, as amended, by filing maps showing the location of the proposed facilities, by filing its explicit authorized acceptance of the Act, and by filing engineering specifica-

tions and data showing the size and capacity of the proposed pump station and auxiliary equipment.

c. The requirements of the Environmental Impact Review Procedure established by State of Michigan Executive Order 1974-4 have been met.

THEREFORE, IT IS ORDERED that:

A. Lakehead Pipe Line Company, Inc. is authorized to construct, maintain and operate a pump station, with its related fixtures and equipment, as proposed in its application filed on March 17, 1987.

B. Lakehead Pipe Line Company, Inc. shall in all respects comply with the provision of 1929 PA 16, as amended.

The Commission specifically reserves jurisdiction of the matters herein contained and the authority to issue such further order or orders as the facts and circumstances may require.

Any party desiring to appeal this order must perfect an appeal to the appropriate court within 30 days after issuance and notice of this order, pursuant to MCL 462.26.

MICHIGAN PUBLIC SERVICE COMMISSION

/s/ William E. Long  
Chairperson

( S E A L )

/s/ Edwyna G. Anderson  
Commissioner

/s/ Matthew E. McLogan  
Commissioner

By the Commission and pursuant to  
its action of April 14, 1987.

/s/ Bruce R. Maughan  
Its Secretary

S T A T E   O F   M I C H I G A N  
BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

\* \* \* \* \*

In the matter of the application of )  
LAKEHEAD PIPE LINE COMPANY, INC. for )  
authority to construct, maintain, )  
and operate an emergency reinjection )  
facility and fixtures and equipment )  
appurtenant thereto. )

Case No. U-9381

At a session of the Michigan Public Service Commission held at its offices  
in the city of Lansing, Michigan, on the 1st day of August, 1989.

PRESENT: Hon. William E. Long, Chairperson  
Hon. Steven M. Fetter, Commissioner  
Hon. Ronald E. Russell, Commissioner

ORDER APPROVING APPLICATION

On June 12, 1989, Lakehead Pipe Line Company (Lakehead) filed an application for approval to construct, maintain, and operate an emergency reinjection facility and related fixtures and equipment.

Lakehead is a Delaware corporation having its principal offices located in Superior, Wisconsin. Lakehead owns and operates, as a common carrier in intra-state, interstate, and foreign commerce, an oil pipeline system for the transportation of crude oil and other liquid hydrocarbons. Lakehead has an existing 30-inch O.D. pipeline that crosses northern Michigan from a point near Ironwood, Michigan via the Straits of Mackinac to a point on the international boundary in the St. Clair River, south of Port Huron, Michigan. There are currently 12 pumping stations operating on the Michigan portion of this pipeline.

Lakehead seeks approval to construct and operate an emergency reinjection facility to facilitate the recovery of oil in the event of a leak along this main line. The emergency reinjection facility will consist of a 40 horse power (h.p.) pump and motor to unload tanker trucks into a 5,000 barrel (bbl.) temporary storage tank. A 75 h.p. pump and motor will be used to pump the crude oil from the tank into the main pipeline. This facility will be located adjacent to its existing 30-inch pipeline at the Bay City, Michigan pumping station in the SW/4 of Section 10, T14N, R4W, Bay County, Michigan.

The Staff of the Commission has conducted an environmental review of the application and concludes that construction of the proposed emergency reinjection facility would not constitute a "major state activity" as defined in Part 4 of the State of Michigan Guidelines for Preparation and Review of Environmental Impact Statements under Executive Order 1974-4. Therefore an Environmental Impact Statement was not prepared for the proposed emergency reinjection facility.

After a review of the application, the Commission finds that ex parte approval is appropriate. The proposal is just, reasonable, and in the public interest.

The Commission FINDS that:

a. Jurisdiction is pursuant to 1929 PA 16, as amended, MCL 483.1 et seq.; 1919 PA 419, as amended, MCL 460.51 et seq; 1939 PA 3, as amended, MCL 460.1 et seq.; 1970 PA 127, MCL 691.1201 et seq.; 1969 PA 306, as amended, MCL 24.201 et seq.; and the Commission's Rules of Practice and Procedure, 1979 Administrative Code, R 460.11 et seq.

b. Lakehead has complied with the requirements of 1929 PA 16, as amended,

by filing a map showing the location of the proposed emergency reinjection facility, by filing its explicit authorized acceptance of 1929 PA 16, and by filing engineering specifications and data showing the size and capacity of the proposed emergency reinjection facility.

c. The requirements of the Environmental Review Procedure established by State of Michigan Executive Order 1974-4 have been met.

d. Ex parte approval is appropriate.

THEREFORE, IT IS ORDERED that:

A. Lakehead Pipe Line Company is authorized to construct, maintain, and operate an emergency reinjection facility and related fixtures and equipment in Bay County, Michigan as proposed in its application filed on June 12, 1989.

B. Lakehead Pipe Line Company shall, in all respects, comply with the provisions of 1929 PA 16, as amended.

The Commission specifically reserves jurisdiction of the matters herein contained and the authority to issue such further order or orders as the facts and circumstances may require.



Any party desiring to appeal this order must perfect an appeal to the appropriate court within 30 days after issuance and notice of this order, pursuant to MCL 462.26.

MICHIGAN PUBLIC SERVICE COMMISSION

/s/ William E. Long  
Chairperson

( S E A L )

/s/ Steven M. Fetter  
Commissioner

/s/ Ronald E. Russell  
Commissioner

By the Commission and pursuant to  
its action of August 1, 1989.

/s/ Dorothy Wideman  
Its Executive Secretary

STATE OF MICHIGAN  
BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

\* \* \* \* \*

In the matter of the application of )  
**LAKEHEAD PIPE LINE COMPANY, INC.** )  
for authority to construct, maintain, and operate )  
a remotely controlled main line valve facility )  
and fixtures and equipment appurtenant thereto. )  
\_\_\_\_\_ )

Case No. U-9944

At the September 25, 1991 meeting of the Michigan Public Service Commission in  
Lansing, Michigan.

PRESENT: Hon. Steven M. Fetter, Chairman  
Hon. William E. Long, Commissioner  
Hon. Ronald E. Russell, Commissioner

ORDER APPROVING APPLICATION

On August 8, 1991, Lakehead Pipe Line Company, Inc. (Lakehead) filed an application for approval to install, maintain, and operate a remotely controlled main line valve facility and related fixtures and appurtenant equipment on an existing oil pipeline at a strategic location in Oscoda County, Michigan. Lakehead explains that the remotely controlled main line valve facility, which will be located on the north side of the Au Sable River between its Lewiston and West Branch pump stations, is needed to minimize the effect of any leak that may occur in that area. The remotely controlled main line valve facility will consist of a 30-inch gate valve with a motor operator. A small building will house electrical equipment necessary to power the motor operator, which will be controlled from the pipeline's control center in Superior, Wisconsin. An access road will be constructed to permit occasional inspection of

the valve facility. Upon completion, the valve and communication building will be enclosed by protective fencing.

The Commission Staff has conducted an environmental review of the application and concludes that construction of the proposed remotely controlled main line valve facility would not cause any significant adverse impact. Therefore, an environmental impact statement was not prepared for the proposed facility.

After a review of the application, the Commission finds that ex parte approval is appropriate. The proposal is just, reasonable, and in the public interest.

The Commission FINDS that:

- a. Jurisdiction is pursuant to 1929 PA 16, as amended, MCL 483.1 et seq.; 1919 PA 419, as amended, MCL 460.51 et seq.; 1939 PA 3, as amended, MCL 460.1 et seq.; 1970 PA 127, MCL 691.1201 et seq.; 1969 PA 306, as amended, MCL 24.2 et seq.; and the Commission's Rules of Practice and Procedure, 1979 Administrative Code, R 460.11 et seq.
- b. Lakehead has complied with the requirements of 1929 PA 16, as amended, by filing a map showing the location of the proposed remotely controlled main line valve facility, by filing its explicit authorized acceptance of 1929 PA 16, and by filing engineering specifications and data showing the size and capacity of the proposed facility.
- c. There will be no significant adverse impacts to the environment due to the construction and operation of the main line valve facility.
- d. Ex parte approval is appropriate.

THEREFORE, IT IS ORDERED that:

A. Lakehead Pipe Line Company, Inc. is authorized to construct, maintain, and operate a remotely controlled main line valve facility and related fixtures and equipment in Oscoda County, Michigan as proposed in its application filed on August 8, 1991.

B. Lakehead Pipe Line Company, Inc. shall in all respects comply with the provisions of 1929 PA 16, as amended.

The Commission reserves jurisdiction and may issue further orders as necessary.

Any party desiring to appeal this order must do so in the appropriate court within 30 days after issuance and notice of this order, pursuant to MCL 462.26.

MICHIGAN PUBLIC SERVICE COMMISSION

/s/ Steven M. Fetter  
Chairman

( S E A L )

/s/ William E. Long  
Commissioner

/s/ Ronald E. Russell  
Commissioner

By its action of September 25, 1991.

/s/ Dorothy Wideman  
Its Executive Secretary

STATE OF MICHIGAN  
BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

\* \* \* \* \*

In the matter of the application of )  
**LAKEHEAD PIPE LINE COMPANY, LIMITED** )  
**PARTNERSHIP** for authority to issue and )  
up to \$325 million principal amount of first )  
mortgage notes, to issue partnership interests, )  
and to borrow up to \$275 million pursuant )  
to a revolving credit facility agreement. )  
\_\_\_\_\_ )

Case No. U-9980

At the November 8, 1991 meeting of the Michigan Public Service Commission in Lansing,  
Michigan.

PRESENT: Hon. Steven M. Fetter, Chairman  
Hon. Ronald E. Russell, Commissioner  
Hon. John L. O'Donnell, Commissioner

**ORDER APPROVING ISSUANCE OF SECURITIES**

On October 14, 1991, Lakehead Pipe Line Company, Limited Partnership (the Operating Partnership) filed an application requesting a disclaimer of jurisdiction or, in the alternative, authority to issue and sell up to \$325 million principal amount of first mortgage notes, to issue limited and general partnership interests in the Operating Partnership, and to borrow up to \$275 million, as amended, pursuant to a revolving credit facility agreement.

On October 18, 1991, a notice of opportunity to comment or request a hearing was published in The Detroit Free Press and The Detroit News, newspapers of general circulation

throughout the state of Michigan. No comments or requests for a hearing were filed with the Commission.

Lakehead Pipe Line Company, Inc. (Lakehead) organized the Operating Partnership as follows: that the Lakehead owns a 1.0101% general partnership interest in the Operating Partnership and LPL Investment, Inc., a wholly-owned subsidiary of Lakehead owns the remaining 98.9899% interest as an organizational limited partner. Lakehead proposes to contribute substantially all of its oil pipeline system assets, which consist of that portion of the Interprovincial Pipe Line System located within the United States, to the Operating Partnership. Included in the contribution are facilities located within the state of Michigan. The Operating Partnership will acquire these assets in exchange for: (1) the partnership interests in the Operating Partnership (the 1.0101% general partner interest and the 98.9899% limited partner interest); (2) a cash distribution right of up to \$325 million to Lakehead pursuant to the terms of the partnership agreement of the Operating Partnership; and (3) the assumption of certain of Lakehead's outstanding indebtedness and all current liabilities related to the Interprovincial System located within the United States. Lakehead, as general partner, will continue to operate the pipeline.

The Operating Partnership proposes to raise the cash necessary for it to make the cash distribution to Lakehead by the issuance and sale of up to \$325 million principal amount of first mortgage notes due in 2011 and secured by a mortgage on substantially all the plant, property, and equipment of the Operating Partnership. The notes will bear interest at a market rate and will be payable in ten equal annual sinking fund payments beginning in the year 2002.

Lakehead and the Operating Partnership propose to enter into a Revolving Credit Facility Agreement (credit agreement) whereby short-term borrowings of up to \$275 million may be made. The credit agreement will have an option to convert these borrowings to long-term obligations. Lakehead states it will initially borrow up to \$275 million under the credit agreement prior to the transfer of its assets to the Operating Partnership. This indebtedness will be assumed by the LPL Limited Partnership, which will neither own assets in nor operate facilities in Michigan. Subsequently, the credit agreement will permit either the Operating Partnership or the LPL Limited Partnership to borrow up to a maximum of \$275 million. The Operating Partnership may require the LPL Limited Partnership to repay any amounts owed by the LPL Limited Partnership under the credit agreement in order to allow the Operating Partnership to borrow under the credit agreement. For this privilege, the Operating Partnership will pay the LPL Limited Partnership a standby fee based upon the amount available to the Operating Partnership under the credit agreement. Neither the LPL Limited Partnership nor the Operating Partnership will be liable for borrowings made by the other unless specifically assumed by the other. Future borrowings under the credit agreement by the Operating Partnership will be used to fund additional capital expenditures and will be secured by either cash collateral or a mortgage on its property equally and ratably with the mortgage given to secure the notes.

Lakehead will also cause to be formed Lakehead Pipe Line Partners L.P. (Master Limited Partnership). Lakehead states the reason for forming the two-tier partnership structure is to simplify ongoing reporting obligations. Lakehead will then transfer to the Master Limited Partnership the 98.9899% limited partnership interest in the Operating Partnership, which will in turn issue and sell limited partner Preference Units representing an approximate 80%

limited partner interest in the Master Limited Partnership. The proceeds from the sale of the Preference Units will be used to collateralize up to \$275 million of short-term debt assumed by the LPL Limited Partnership and the remaining net proceeds will be contributed to the Operating Partnership, which will use the funds to repay certain indebtedness and current liabilities assumed from Lakehead. The balance, if any, will be added to the working capital of the Operating Partnership.

After a review of the application, the Commission finds that ex parte approval is appropriate. The Commission is satisfied that the issuance and sale of the securities are reasonably required for lawful corporate purposes and that the issuance and amount are essential for carrying out the purposes described in the application.

The Commission FINDS that:

- a. Jurisdiction is pursuant to 1909 PA 144, as amended, MCL 460.301 et seq.; and the Commission's Rules of Practice and Procedure, 1979 Administrative Code, R 460.11 et seq.
- b. The issuance and sale of the securities are for lawful corporate purposes, and are essential for carrying out the purposes described in the application.
- c. Ex parte approval is appropriate.
- d. A security issuance fee of \$250 has been paid to the State of Michigan.

THEREFORE, IT IS ORDERED that:

A. Lakehead Pipe Line Company, Limited Partnership is authorized to issue and sell up to \$325 million aggregate principal amount of its first mortgage notes and to incur and pay reasonable commissions, fees, and expenses.



B. Lakehead Pipe Line Company, Limited Partnership is authorized to: (1) issue a limited partner interest representing a 98.9899% interest in and to the Lakehead Pipe Line Company, Limited Partnership and a general partner interest representing a 1.0101% interest in and to the Lakehead Pipe Line Company, Limited Partnership; (2) grant a cash distribution right of up to \$325 million to Lakehead Pipe Line Company, Inc., pursuant to the terms of the partnership agreement of Lakehead Pipe Line Company, Limited Partnership; and (3) to assume the indebtedness and obligations of Lakehead Pipe Line Company, Inc. in exchange for substantially all of the pipeline system assets of Lakehead Pipe Line Company, Inc.

C. Lakehead Pipe Line Company, Limited Partnership and Lakehead Pipe Line Company, Inc. are authorized to borrow up to \$275 million pursuant to a Revolving Credit Term Facility Agreement.

D. Lakehead Pipe Line Company, Limited Partnership and Lakehead Pipe Line Company, Inc. shall file a report or reports after the issuance and sale of any securities as authorized by this order, setting forth the major terms and conditions of each security issuance, including net proceeds. These reports shall be made by an officer of Lakehead Pipe Line Company, Limited Partnership and Lakehead Pipe Line Company, Inc. who has knowledge of the facts of the issuance.

The Commission reserves jurisdiction and may issue further orders as necessary.

Any party desiring to appeal this order must do so in the appropriate court within 30 days after issuance and notice of this order, pursuant to MCL 462.26.

MICHIGAN PUBLIC SERVICE COMMISSION

/s/ Steven M. Fetter  
Chairman

( S E A L )

/s/ Ronald E. Russell  
Commissioner

/s/ John L. O'Donnell  
Commissioner

By its action of November 8, 1991.

/s/ Dorothy Wideman  
Its Executive Secretary

STATE OF MICHIGAN  
BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

\* \* \* \* \*

In the matter of the application of )  
**LAKEHEAD PIPE LINE COMPANY, LIMITED** )  
**PARTNERSHIP**, for authority to construct, )  
maintain, and operate a remotely controlled )  
main line valve facility and fixtures and )  
equipment appurtenant thereto. )  
\_\_\_\_\_ )

Case No. U-10073

At the April 15, 1992 meeting of the Michigan Public Service Commission in Lansing,  
Michigan.

PRESENT: Hon. Steven M. Fetter, Chairman  
Hon. Ronald E. Russell, Commissioner  
Hon. John L. O'Donnell, Commissioner

ORDER APPROVING APPLICATION

On February 21, 1992, Lakehead Pipe Line Company, Limited Partnership (Lakehead), filed an application for approval to install, maintain, and operate a remotely controlled main line valve facility and related fixtures and appurtenant equipment on an existing oil pipeline at a strategic location in Dickinson County, Michigan. Lakehead explains that the remotely controlled main line valve facility, which will be located approximately 100 feet east of County Road 422 between its Iron River and Rapid River pump stations, is needed to sectionalize the main line and allow for testing of the pipeline. The remotely controlled main line valve facility will consist of a 30-inch gate valve with a bevel gear operator. Upon completion, the valve will be surrounded by four protection posts.

The Commission Staff has conducted an environmental review of the application and concludes that construction of the proposed remotely controlled main line valve facility would not cause any significant adverse impact. Therefore, an environmental impact statement was not prepared for the proposed facility.

After a review of the application, the Commission finds that ex parte approval is appropriate. The proposal is just, reasonable, and in the public interest.

The Commission FINDS that:

- a. Jurisdiction is pursuant to 1929 PA 16, as amended, MCL 483.1 et seq.; 1919 PA 419, as amended, MCL 460.51 et seq.; 1939 PA 3, as amended, MCL 460.1 et seq.; 1970 PA 127, MCL 691.1201 et seq.; 1969 PA 306, as amended, MCL 24.2 et seq.; and the Commission's Rules of Practice and Procedure, R 460.17101 et seq.
- b. Lakehead has complied with the requirements of 1929 PA 16, as amended, by filing a map showing the location of the proposed remotely controlled main line valve facility, by filing its explicit authorized acceptance of 1929 PA 16, and by filing engineering specifications and data showing the size and capacity of the proposed facility.
- c. There will be no significant adverse impact to the environment due to the construction and operation of the main line valve facility.
- d. Because the public interest will be adequately protected without the time and expense of a public hearing, ex parte approval is appropriate.

THEREFORE, IT IS ORDERED that:

A. Lakehead Pipe Line Company, Limited Partnership, is authorized to construct, maintain, and operate a remotely controlled main line valve facility and related fixtures and

equipment in Dickinson County, Michigan as proposed in its application filed on February 21, 1992.

B. Lakehead Pipe Line Company, Limited Partnership, shall in all respects comply with the provisions of 1929 PA 16, as amended.

The Commission reserves jurisdiction and may issue further orders as necessary.

Any party desiring to appeal this order must do so in the appropriate court within 30 days after issuance and notice of this order, pursuant to MCL 462.26.

MICHIGAN PUBLIC SERVICE COMMISSION

/s/ Steven M. Fetter  
Chairman

( S E A L )

/s/ Ronald E. Russell  
Commissioner

/s/ John L. O'Donnell  
Commissioner

By its action of April 15, 1992.

/s/ Dorothy Wideman  
Its Executive Secretary

STATE OF MICHIGAN  
BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

\* \* \* \* \*

In the matter of the application of )  
**LAKEHEAD PIPE LINE COMPANY, LIMITED** )  
**PARTNERSHIP**, for authority to construct, )  
maintain, and operate a main line valve facility )  
and fixtures and equipment appurtenant thereto. )

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Case No. U-10097

At the June 12, 1992 meeting of the Michigan Public Service Commission in Lansing,  
Michigan.

PRESENT: Hon. Steven M. Fetter, Chairman  
Hon. Ronald E. Russell, Commissioner  
Hon. John L. O'Donnell, Commissioner

**ORDER APPROVING APPLICATION**

On April 30, 1992, Lakehead Pipe Line Company, Limited Partnership, (Lakehead) filed an application for authority to install, maintain, and operate a main line valve facility and related fixtures and appurtenant equipment on an existing oil pipeline at a strategic location in Delta County, Michigan. Lakehead explains that the main line valve facility, which will be located approximately 100 feet west of County Highway 529 between its Iron River and Rapid River pump stations, is needed to sectionalize the main line and allow for testing of the pipeline. The main line valve facility will consist of a 30-inch gate valve with a bevel gear operator. Upon completion, the valve will be surrounded by four protection posts.

The Commission Staff has conducted an environmental review of the application and concludes that construction of the proposed main line valve facility would not cause any

significant adverse impact. Therefore, an environmental impact statement was not prepared for the proposed facility.

After a review of the application, the Commission finds that ex parte approval is appropriate. The proposal is just, reasonable, and in the public interest.

The Commission FINDS that:

a. Jurisdiction is pursuant to 1929 PA 16, as amended, MCL 483.1 seq.; 1919 PA 419, as amended, MCL 460.51 et seq.; 1939 PA 3, as amended, MCL 460.1 et seq.; 1970 PA 127, MCL 691.1201 et seq.; 1969 PA 306, as amended, MCL 24.201 et seq.; and the Commission's Rules of Practice and Procedure, R 460.17101 et seq.

b. Lakehead has complied with the requirements of 1929 PA 16, as amended, by filing a map showing the location of the proposed main line valve facility, by filing its explicit authorized acceptance of 1929 PA 16, and by filing engineering specifications and data showing the size and capacity of the proposed facility.

c. There will be no significant adverse impact on the environment due to the construction and operation of the main line valve facility.

d. Because the public interest will be adequately protected without the time and expense of a public hearing, ex parte approval is appropriate.

THEREFORE, IT IS ORDERED that:

A. Lakehead Pipe Line Company, Limited Partnership, is authorized to construct, maintain, and operate a main line valve facility and related fixtures and equipment in Delta County, Michigan as proposed in its application filed on April 30, 1992.

B. Lakehead Pipe Line Company, Limited Partnership, shall in all respects comply with the provisions of 1929 PA 16, as amended.

The Commission reserves jurisdiction and may issue further orders as necessary.

Any party desiring to appeal this order must do so in the appropriate court within 30 days after issuance and notice of this order, pursuant to MCL 462.26.

MICHIGAN PUBLIC SERVICE COMMISSION

/s/ Steven M. Fetter  
Chairman

( S E A L )

/s/ Ronald E. Russell  
Commissioner

/s/ John L. O'Donnell  
Commissioner

By its action of June 12, 1992.

/s/ Dorothy Wideman  
Its Executive Secretary



STATE OF MICHIGAN  
BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

\* \* \* \* \*

In the matter of the application of )  
**LAKEHEAD PIPE LINE COMPANY, LIMITED** )  
**PARTNERSHIP** for authority to construct, )  
maintain, and operate a remotely controlled main )  
line valve facility and fixtures and equipment )  
appurtenant thereto. )  
\_\_\_\_\_ )

Case No. U-10104

At the June 12, 1992 meeting of the Michigan Public Service Commission in Lansing,  
Michigan.

PRESENT: Hon. Steven M. Fetter, Chairman  
Hon. Ronald E. Russell, Commissioner  
Hon. John L. O'Donnell, Commissioner

**ORDER APPROVING APPLICATION**

On May 13, 1992, Lakehead Pipe Line Company, Limited Partnership, (Lakehead) filed an application for authority to install, maintain, and operate a remotely controlled main line valve facility and related fixtures and appurtenant equipment on an existing oil pipeline at a strategic location in Schoolcraft County, Michigan. Lakehead explains that the remotely controlled main line valve facility, which will be located approximately 2,500 feet west of County Road 433 and approximately four miles east of its Manistique pump station, is needed to isolate the main line in the event of a line break in the Manistique River area. The remotely controlled main line valve facility will consist of a 30-inch gate valve with a manual

and remote electric operator. Upon completion, the valve will be surrounded by a security fence.

The Commission Staff has conducted an environmental review of the application and concludes that construction of the proposed remotely controlled main line valve facility would not cause any significant adverse impact. Therefore, an environmental impact statement was not prepared for the proposed facility.

After a review of the application, the Commission finds that ex parte approval is appropriate. The proposal is just, reasonable, and in the public interest.

The Commission FINDS that:

a. Jurisdiction is pursuant to 1929 PA 16, as amended, MCL 483.1 et seq.; 1919 PA 419, as amended, MCL 460.51 et seq.; 1939 PA 3, as amended, MCL 460.1 et seq.; 1970 PA 127, MCL 691.1201 et seq.; 1969 PA 306, as amended, MCL 24.201 et seq.; and the Commission's Rules of Practice and Procedure, R 460.17101 et seq.

b. Lakehead has complied with the requirements of 1929 PA 16, as amended, by filing a map showing the location of the proposed remotely controlled main line valve facility, by filing its explicit authorized acceptance of 1929 PA 16, and by filing engineering specifications and data showing the size and capacity of the proposed facility.

c. There will be no significant adverse impact on the environment due to the construction and operation of the main line valve facility.

d. Because the public interest will be adequately protected without the time and expense of a public hearing, ex parte approval is appropriate.

THEREFORE, IT IS ORDERED that:

A. Lakehead Pipe Line Company, Limited Partnership, is authorized to construct, maintain, and operate a remotely controlled main line valve facility and related fixtures and equipment in Schoolcraft County, Michigan as proposed in its application filed on May 13, 1992.

B. Lakehead Pipe Line Company, Limited Partnership, shall in all respects comply with the provisions of 1929 PA 16, as amended.

The Commission reserves jurisdiction and may issue further orders as necessary.

Any party desiring to appeal this order must do so in the appropriate court within 30 days after issuance and notice of this order, pursuant to MCL 462.26.

MICHIGAN PUBLIC SERVICE COMMISSION

/s/ Steven M. Fetter  
Chairman

( S E A L )

/s/ Ronald E. Russell  
Commissioner

/s/ John L. O'Donnell  
Commissioner

By its action of June 12, 1992.

/s/ Dorothy Wideman  
Its Executive Secretary

STATE OF MICHIGAN  
BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

\* \* \* \* \*

In the matter of the application of )  
**LAKEHEAD PIPE LINE COMPANY, LIMITED** )  
**PARTNERSHIP**, for authority to construct, )  
maintain, and operate a metering facility and )  
fixtures and equipment appurtenant thereto. )  
\_\_\_\_\_ )

Case No. U-10113

At the July 10, 1992 meeting of the Michigan Public Service Commission in Lansing,  
Michigan.

PRESENT: Hon. Steven M. Fetter, Chairman  
Hon. Ronald E. Russell, Commissioner  
Hon. John L. O'Donnell, Commissioner

ORDER APPROVING APPLICATION

On June 1, 1992, Lakehead Pipe Line Company, Limited Partnership, (Lakehead) filed an application for authority to install, maintain, and operate a metering facility and related fixtures and equipment that will serve two 30-inch oil pipelines at a strategic location in St. Clair County, Michigan. Lakehead explains that the metering facility, which will be located approximately 900 feet west of Interstate 94 in the south half of the northeast quarter of Section 1, Township 5 North, Range 16 East, St. Clair Township, St. Clair County, Michigan, is needed to make simultaneous deliveries from both the north and south lines at Marysville. The metering facility will consist of six 16-inch meter runs and two 30-inch prover loops.

The Commission Staff has conducted an environmental review of the application and concludes that construction of the proposed metering facility would not cause any significant

adverse impact. Therefore, an environmental impact statement was not prepared for the proposed facility.

After a review of the application, the Commission finds that ex parte approval is appropriate. The proposal is just, reasonable, and in the public interest.

The Commission FINDS that:

a. Jurisdiction is pursuant to 1929 PA 16, as amended, MCL 483.1 seq.; 1919 PA 419, as amended, MCL 460.51 et seq.; 1939 PA 3, as amended, MCL 460.1 et seq.; 1970 PA 127, MCL 691.1201 et seq.; 1969 PA 306, as amended, MCL 24.201 et seq.; and the Commission's Rules of Practice and Procedure, R 460.17101 et seq.

b. Lakehead has complied with the requirements of 1929 PA 16, as amended, by filing a map showing the location of the proposed metering facility, by filing its explicit authorized acceptance of 1929 PA 16, and by filing engineering specifications and data showing the size and capacity of the proposed facility.

c. There will be no significant adverse impact to the environment due to the construction and operation of the metering facility.

d. Because the public interest will be adequately protected without the time and expense of a public hearing, ex parte approval is appropriate.

THEREFORE, IT IS ORDERED that:

A. Lakehead Pipe Line Company, Limited Partnership, is authorized to construct, maintain, and operate a metering facility and related fixtures and equipment in St. Clair County, Michigan as proposed in its application filed on June 1, 1992.

B. Lakehead Pipe Line Company, Limited Partnership, shall in all respects comply with the provisions of 1929 PA 16, as amended.

The Commission reserves jurisdiction and may issue further orders as necessary.

Any party desiring to appeal this order must do so in the appropriate court within 30 days after issuance and notice of this order, pursuant to MCL 462.26.

MICHIGAN PUBLIC SERVICE COMMISSION

/s/ Steven M. Fetter

Chairman

( S E A L )

/s/ Ronald E. Russell

Commissioner

/s/ John L. O'Donnell

Commissioner

By its action of July 10, 1992.

/s/ Dorothy Wideman

Its Executive Secretary

STATE OF MICHIGAN  
BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

\* \* \* \* \*

In the matter of the application of )  
LAKEHEAD PIPE LINE COMPANY, LIMITED )  
PARTNERSHIP, for authority to construct, )  
maintain, and operate a main line valve facility )  
and fixtures and appurtenant equipment. )  
\_\_\_\_\_ )

Case No. U-10287

At the April 22, 1993 meeting of the Michigan Public Service Commission in Lansing,  
Michigan.

PRESENT: Hon. Steven M. Fetter, Chairman  
Hon. Ronald E. Russell, Commissioner  
Hon. John L. O'Donnell, Commissioner

ORDER APPROVING APPLICATION

On February 18, 1993, Lakehead Pipe Line Company, Limited Partnership, (Lakehead) filed an application for authority to install, maintain, and operate a main line valve facility and related fixtures and equipment that will serve its 30-inch oil pipeline in Gogebic County, Michigan. The main line valve facility will be located on Lakehead's existing 30-inch pipeline in the NW 1/4 of Section 4, Township 47 North, Range 45 East, Wakefield Township, Gogebic County, Michigan. Installation of this valve will allow Lakehead to isolate the main line in the event of a line break or during routine maintenance.

The Commission Staff has conducted an environmental review of the application and concludes that construction of the proposed main line valve facility would not cause any

significant adverse impact. Therefore, an environmental impact statement was not prepared for the proposed facility.

After a review of the application, the Commission finds that ex parte approval is appropriate. The proposal is just, reasonable, and in the public interest.

The Commission FINDS that:

a. Jurisdiction is pursuant to 1929 PA 16, as amended, MCL 483.1 et seq.; 1919 PA 419, as amended, MCL 460.51 et seq.; 1939 PA 3, as amended, MCL 460.1 et seq.; 1970 PA 127, MCL 691.1201 et seq.; 1969 PA 306, as amended, MCL 24.2 et seq.; and the Commission's Rules of Practice and Procedure, R 460.17101 et seq.

b. Lakehead has complied with the requirements of 1929 PA 16, as amended, by filing a map showing the location of the proposed main line valve facility, by filing its explicit authorized acceptance of 1929 PA 16, and by filing engineering specifications and data showing the size of the proposed facility.

c. There will be no significant adverse impact to the environment due to the construction and operation of the main line valve facility.

d. Because the public interest will be adequately protected without the time and expense of a public hearing, ex parte approval is appropriate.

THEREFORE, IT IS ORDERED that:

A. Lakehead Pipe Line Company, Limited Partnership, is authorized to construct, maintain, and operate a main line valve facility and related fixtures and equipment in Gogebic County, Michigan as proposed in its application filed on February 18, 1993.



B. Lakehead Pipe Line Company, Limited Partnership, shall in all respects comply with the provisions of 1929 PA 16, as amended.

The Commission reserves jurisdiction and may issue further orders as necessary.

Any party desiring to appeal this order must do so in the appropriate court within 30 days after issuance and notice of this order, pursuant to MCL 462.26.

MICHIGAN PUBLIC SERVICE COMMISSION

/s/ Steven M. Fetter  
Chairman

( S E A L )

/s/ Ronald E. Russell  
Commissioner

/s/ John L. O'Donnell  
Commissioner

By its action of April 22, 1993.

/s/ Dorothy Wideman  
Its Executive Secretary