

## MATERIALS LICENSE

CORRECTED COPY

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee		3. License Number 22-26732-01
1. Lakehead Pipe Line Company, Inc.		
2. 21 West Superior Street Duluth, MN 55802-2067		4. Expiration Date July 31, 2001
		5. Docket or Reference No. 030-34160/48-13457-01
6. Byproduct, Source, and/or Special Nuclear Material	7. Chemical and/or Physical Form	8. Maximum Amount that Licensee May Possess at Any One Time Under This License
A. Cesium-137	A. Sealed source (Berthold P-2623-100)	A. Twelve sources not to exceed 350 millicuries each
B. Cesium-137	B. Sealed source (Berthold P-2645-100-000)	B. Five sources not to exceed 2000 millicuries each
C. Americium-241	C. Sealed source (Amersham/Searle Model AMC 17)	C. One source not to exceed 550 millicuries
D. Cesium-137	D. Sealed source (Berthold P-2623- 100, P-2645-100, or Amersham Model CDC.93)	D. Three sources not to exceed 1000 millicuries each

## 9. Authorized Use:

- A. or B. To be used in Berthold Model No. LB 7400 D/L density/level gauge.
- C. To be used in Yokogawa Model PS6 Sulfur-In-Oil Analyzer to measure the percent of sulfur by weight in crude oil.
- D. To be use in Berthold Model LB 7400 D/F series density gauge for measurement of density of material flow through a pipeline. 6/1

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CONDITIONS

10. A. Licensed materials in item 6.A. and 6.B. shall be used only at the licensee's facilities located as follows:

Saxon Station, Saxon, Wisconsin  
Iron River Station, Iron River, Michigan  
Gould City Station, Gould City, Michigan  
North Straits, North Straits of Mackinac, MI  
Lewiston Station, Lewiston, Michigan  
Bay City Station, Bay City, Michigan

Plummer Station, Plummer, MN  
Clearbrook Station, Clearbrook, MN  
Deer River Station, Deer River, MN  
Superior Terminal, Superior, WI

- B. Licensed material listed in items 6.C. and 6.D. shall be used only at the licensee's facilities located as follows:

2800 East 21st Street  
Superior, WI

Station Site  
Rapid River, MI

Mainline Densitometer Site  
Perkins, MI

11. A. Licensed materials listed in item 6.A. and 6.B. shall be used by, or under the supervision of, Robert F. Pollock, Mike Burnis, Kurt Castle, Dennis DeYoung, Lewis Gotham, Gary Haubrich, Harvey Miles, Joe Shafer, Jerry Snobeck, Thomas Smith, Rich Szeplakay, John Sobjinski.

- B. Licensed material listed in items 6.C. and 6.D. shall be used by, or under the supervision of, Robert F. Pollock, Joel A. Korhonen, Dave P. Friborg.

- C. Radiation Safety Officer: Robert F. Pollock.

12. A. Sealed sources and detector cells shall be tested for leakage and/or contamination at intervals not to exceed 6 months or at such other intervals as specified by the certificate of registration referred to in 10 CFR 32.210.

- B. In the absence of a certificate from a transferor indicating that a leak test has been made within 6 months prior to the transfer, a sealed source or detector cell received from another person shall not be put into use until tested.

- C. Sealed sources need not be leak tested if:

- (i) they contain only hydrogen-3; or
- (ii) they contain only a radioactive gas; or

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- (iii) the half-life of the isotope is 30 days or less; or
- (iv) they contain not more than 100 microcuries of beta and/or gamma emitting material or not more than 10 microcuries of alpha emitting material; or
- (v) they are not designed to emit alpha particles, are in storage, and are not being used. However, when they are removed from storage for use or transferred to another person, and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source or detector cell shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.

D. The leak test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(b)(2), and the source shall be removed immediately from service and regulations. The report shall be filed within 5 days of the date the leak test result is known with the U.S. Nuclear Regulatory Commission, Region III, ATTN: Chief, Nuclear Materials Safety Branch, 801 Warrenville Road, Lisle, Illinois 60532-4351. The report shall specify the source involved, the test results, and corrective action taken.

E. The licensee is authorized to collect leak test samples for analysis by persons specifically licensed by the Commission or an Agreement State to perform such services.

- 13. Sealed sources containing licensed material shall not be opened or removed from their respective source holders by the licensee.
- 14. Installation, initial radiation survey, relocation, or removal from service of devices containing sealed sources shall be performed by John Sobojinski or by persons specifically licensed by the Commission or an Agreement State to perform such services. Maintenance and repair of devices and installation, replacement, and disposal of sealed sources shall be performed only by persons specifically licensed by the Commission or an Agreement State to perform such services.
- 15. Prior to initial use and after installation, relocation, dismantling, alignment, or any other activity involving the source or removal of the shielding, the licensee shall assure that a radiological survey is performed to determine radiation levels in accessible areas around, above and below the gauge with the shutter open. This survey shall be performed only by persons authorized to perform such services by the Commission or an Agreement State.

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16. The licensee shall assure that the shutter mechanism is locked in the closed position during periods when a portion of an individual's body may be subject to the direct radiation beam. The licensee shall review and modify as appropriate its "lock-out" procedures whenever a new gauge is obtained to incorporate the device manufacturer's recommendations.
17. Each gauge shall be tested for the proper operation of the on-off mechanism and indicator, if any, at no longer than 6-month intervals or at such longer intervals as specified by the manufacturer and approved by NRC.
18. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
  - A. Letters dated August 27, 1993, October 26, 1993 and June 30, 1994; and
  - B. Application dated January 4, 1995 with attachments.
  - C. Letter dated July 29, 1996 with attachments.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date

10/1/96

By

*H.K. Mach*  
Materials Licensing Branch, Region III

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OCT 01 1996

Eric A. Williams  
Lakehead Pipe Line Company, Inc.  
21 West Superior Street  
Duluth, MN 55802-2067

Dear Mr. Williams:

It has come to our attention that the new license issued on September 20, 1996, to License Number 22-26732-01 contained an error.

Enclosed is a corrected copy reflecting the correct expiration date noted to be in error. We apologize for any inconvenience this may have caused you.

Sincerely,

Original Signed By  
John R. Madera, Chief  
Nuclear Materials Licensing Branch

License No.: 22-26732-01  
Docket No.: 030-34160

Enclosure: Corrected Copy of  
New License No. 22-26732-01

DOCUMENT NAME: M:\03034160.CC6

To receive a copy of this document, indicate in the box: "C" = Copy without enclosures "E" = Copy with enclosures "N" = No copy

OFFICE	DNMS/RIII									
NAME	JRMADERA,jaw									
DATE	10/1/96									

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