

LAW OFFICES OF  
**FLECK, MATHER & STRUTZ, LTD.**

400 East Broadway, Suite 600, Wells Fargo Bank Building

P. O. Box 2798, Bismarck, North Dakota 58502

Telephone: 701-223-6585 Facsimile: 701-222-4853 E-Mail: fms@flecklaw.com Website: www.flecklaw.com

GARY R. WOLBERG+  
PAUL W. SUMMERS  
BRIAN R. BJELLA\*  
JOHN W. MORRISON  
CURTIS L. WIKE\*\*

ALSO LICENSED IN:

\* Minnesota  
° Montana  
+ Iowa  
^ Wyoming  
□ Nebraska

April 16, 2007

CRAIG C. SMITH<sup>°</sup>  
SHANE A. HANSON  
MICHAEL C. WALLER<sup>°</sup>  
PETRA H. MANDIGO<sup>°</sup>  
CHRISTOPHER D. FRIEZ

ERNEST R. FLECK  
(1921-1995)  
RUSSELL R. MATHER  
(RETIRED)  
WILLIAM A. STRUTZ  
(RETIRED)

Ms. Ilona A. Jeffcoat-Sacco  
Executive Secretary  
North Dakota Public Service Commission  
600 E. Boulevard Ave., Dept. 408  
Bismarck, ND 58505-0480

Dear Ms. Jeffcoat-Sacco:

In re: Enbridge Pipelines (Southern Lights) LLC  
Consolidated Application for Corridor Certificate  
And Route Permit  
Case No. PU-07-75  
Our File No. 120-28104



Enclosed please find the original and 10 copies of the Application for Corridor Certificate and Route Permit for a crude oil pipeline in the captioned matter. Also enclosed please find 11 copies of Exhibit D, being maps pertaining to this matter.

Also enclosed please find a check in the amount of \$100,000.00 payable to the Public Service Commission for the filing fee in this matter.

Please call should you have any questions.

Very truly yours,

A handwritten signature in black ink, appearing to read "B. R. Bjella".

BRIAN R. BJELLA

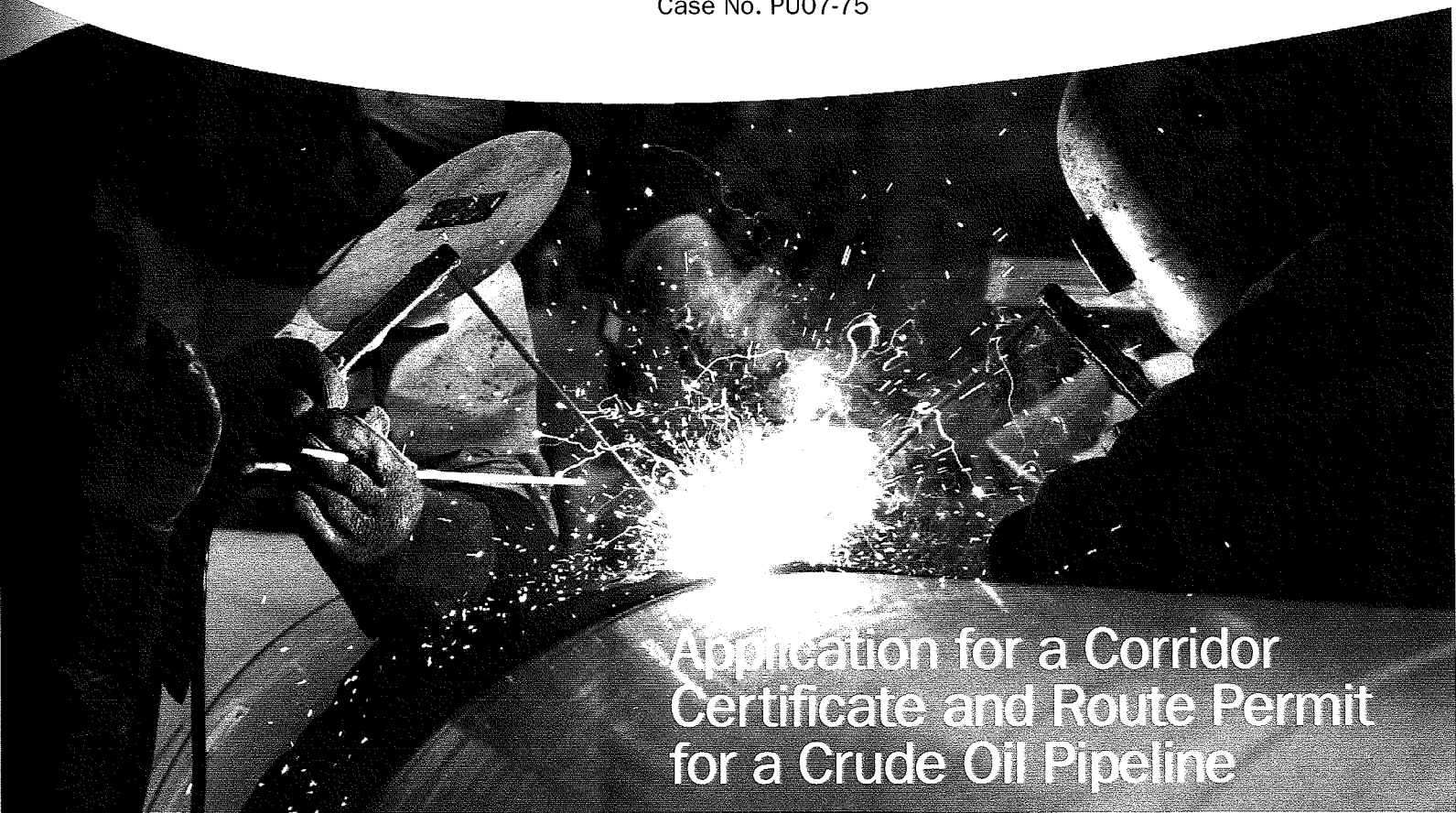
bw

Enc.

cc: Auditor of Pembina County (w/enc. App. & maps)

**ENBRIDGE™**

Enbridge Pipelines (Southern Lights) L.L.C.  
Before the North Dakota Public Service Commission  
Case No. PU07-75



Application for a Corridor  
Certificate and Route Permit  
for a Crude Oil Pipeline





Enbridge Pipelines (Southern Lights) L.L.C.  
ND-PSC Application April 2007  
Case No PU07-75

---

**TABLE OF CONTENTS**

<b><u>EXPLANATION</u></b>	<b><u>TAB</u></b>
<b>Application Summary and Waiver Request</b>	<b>A</b>
<b>Application for Corridor Certificate</b>	<b>B</b>
<b>Exhibits to Corridor Certificate</b>	<b>C</b>
<b>Exhibit A – Maps showing Enbridge Mainline System</b>	
<b>Map A-1 - International Liquid Transportation Grid</b>	
<b>Map A-2 - PADD II Liquid Transportation Grid</b>	
<b>Map A-3 - Enbridge Mainline System Map</b>	
<b>Exhibit B – Proposed Route Map – Pembina Co.</b>	
<b>Exhibit C – Overview of Enbridge Expansion Projects</b>	
<b>Exhibit D – USGS Quad and Aerial Maps of Proposed Route in Pembina Co.</b>	
<b>Exhibit E – Canadian Crude Oil Production and Supply Forecast</b>	
<b>2006 – 2020, Dated May 2006</b>	
<b>Application for Route Permit</b>	<b>D</b>
<b>Appendices to Route Permit</b>	<b>E</b>
<b>Appendix A – Environmental Mitigation Plan</b>	
<b>Appendix B – Spill Prevention, Containment, and Control Plan</b>	
<b>Appendix C – Agency Correspondence</b>	
<b>Appendix D – Maps of Exclusion and Avoidance Areas</b>	
<b>Appendix E – Landowner List</b>	



## **DEFINITIONS**

### **APPLICANT**

Enbridge Pipelines (Southern Lights) L.L.C.

### **COMPANY**

Applicant's legal name is Enbridge Pipelines (Southern Lights) L.L.C. Applicant is a limited liability company formed on June 8, 2006 and is organized under the laws of the State of Delaware with its principle place of business at 1100 Louisiana, Suite 3300, Houston, Texas 77002. Enbridge Energy Company, Inc., a Delaware limited partnership, is the sole member of Applicant and has designated managing Members to carry on its day-to-day business affairs.

### **CRUDE PETROLEUM**

Crude petroleum is defined as a thick natural mixture of gaseous, liquid, and solid hydrocarbons obtained from beneath the surface of the earth

### **DELIVERY**

A volume at a location where the hydrocarbon commodity enters the Enbridge pipeline system.

### **ENBRIDGE**

Enbridge is the term used to collectively describe the various Enbridge companies, affiliates and legal entities, some of which are defined below.

### **ENBRIDGE ENERGY, LIMITED PARTNERSHIP**

Enbridge Energy, Limited Partnership owns and operates the liquid pipeline system known as the Enbridge "Lakehead System." Together with Enbridge Pipelines Inc. in Canada, these operationally integrated pipeline systems form the longest liquid petroleum pipeline in the world.

### **ENBRIDGE MAINLINE SYSTEM**

A term used to described the U.S. and Canadian portion of a major liquid pipeline systems owned by Enbridge Energy, Limited Partnership and Enbridge Pipelines Inc. respectively.

### **ENBRIDGE PIPELINES INC.**

A Canadian company which primarily owns and operates a liquid hydrocarbon pipeline system in Canada which interconnects with the Lakehead System. Enbridge Pipelines Inc. is a Canadian affiliate of Lakehead.

### **HEAVY CRUDE**

A commodity having a density over 904 kilograms per cubic meter (kg/m<sup>3</sup>) and a viscosity from 100 to 250 mm<sup>2</sup>/s. As defined in the Enbridge Energy, Limited Partnership local tariff applying to crude petroleum and natural gas liquids.

### **LAKEHEAD SYSTEM**

Enbridge's designation for the United States portion of its liquid petroleum pipeline transportation system owned by Enbridge Energy, Limited Partnership, previously named Lakehead Pipeline, Limited Partnership.

## **DEFINITIONS**

### **LIGHT CRUDE**

A commodity having a density from 600 kg/m<sup>3</sup> up to but not including 876kg/m<sup>3</sup> and a viscosity from 0.4 mm<sup>2</sup>/s up to but not including 20 mm<sup>2</sup>/s. Ad defined in the Enbridge Energy, Limited Partnership local tariff applying to crude petroleum and natural gas liquids.

### **MEDIUM CRUDE**

A commodity having a density from 876kg/m<sup>3</sup> up to but not including 904kg/m<sup>3</sup> and a viscosity from 20 mm<sup>2</sup>/s up to but not including 100mm<sup>2</sup>/s. As defined in the Enbridge Energy, Limited Partnership local tariff applying to crude petroleum and natural gas liquids.

### **NATURAL GAS LIQUIDS (NGL)**

A commodity having a maximum absolute vapor pressure of 1,100 kilopascals at 37.8°C and a density of up to but not including 600 kg/m<sup>3</sup> and a viscosity of up to but not including .4 square millimeters per second (mm<sup>2</sup>/s). As defined in the Lakehead Pipe Line Company, Limited Partnership local tariff applying on crude petroleum and natural gas liquid.

### **PADD**

Petroleum Administration for Defense District – Geographic aggregations of the 50 States and the District of Columbia into five districts by the Petroleum Administration for Defense in 1950. These districts were originally instituted for economic and geographic reasons as Petroleum Administration for War (PAW) Districts, which were established in 1942 (See Map M for geographical representation of Petroleum Administration of Defense Districts).

### **RECEIPT**

A volume at a location where the hydrocarbon commodity enters the Lakehead pipeline system.

### **SHIPPER**

A customer, who transports volumes on the common carrier pipeline system, including crude oil producers, refiners and/or marketers.

### **SOUTHERN LIGHTS 20" CRUDE LINE ("LSr Line")**

The proposed pipeline consists of 313 miles of 20-inch outer diameter pipeline, originating at Enbridge's existing facilities in Cromer, Manitoba, Canada and extending southeast to end at Enbridge's tank farm and terminal facility in Clearbrook, Minnesota. Within the United States, the proposed pipeline will be located primarily within the existing Enbridge multiple line rights easements and run parallel to the Lakehead System.