



File OF-Fac-Oil-E101-2013-19 01
10 February 2014

Ms. Sarah McKenzie
Enbridge Pipelines Inc.
10201 Jasper Avenue
Edmonton, AB T5J 2J9
Facsimile 780-420-5166

Dear Ms. McKenzie:

Enbridge Pipelines Inc. (Enbridge) - Application for the Alberta Clipper Capacity Expansion Project Phase II (Project)

The National Energy Board (Board) has considered Enbridge's 15 August 2013 application, dated and the subsequent filings in relation to the Application.

The Board has issued Order XO-E101-002-2014 (Order) pursuant to section 58 of the *National Energy Board (NEB) Act*, the effect of which is to approve the Project. A copy of the Order and its Schedule A, which together outline the specifics of the Project as approved, are attached.

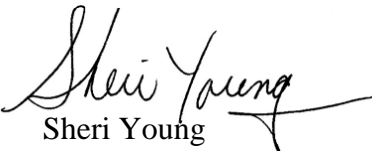
The Board grants Enbridge an exemption from the provisions of paragraph 30(1)(a) and section 31 of the NEB Act for the proposed Project, subject to conditions provided in the Order.

The Board does not grant Enbridge exemption from the provisions of paragraph 30(1)(b) and section 47 of the NEB Act. Enbridge must apply for leave to open pursuant to section 47 of the NEB Act, prior to the facilities being placed in operation.

The Board notes the letter from Ms. Labossiere's counsel received on 30 January 2014, stating that Ms. Labossiere's concerns regarding the Project have now been resolved through agreement with Enbridge.

The Board directs Enbridge to serve a copy of this letter and the attached Order on all interested parties.

Yours truly,


Sheri Young
Secretary of the Board

Attachments



ORDER XO-E101-002-2014

IN THE MATTER OF the *National Energy Board Act* (NEB Act) and the regulations made thereunder; and

IN THE MATTER OF an application made by Enbridge Pipelines Inc. (Enbridge), pursuant to Section 58 of the NEB Act, filed with the National Energy Board (Board) under File OF-Fac-Oil-E101-2013-19 01.

BEFORE the Board on 10 February 2014.

WHEREAS the Board received an application from Enbridge, pursuant to section 58 of the NEB Act, dated 15 August 2013, to construct and operate the Alberta Clipper Capacity Expansion Project Phase II (Project), at an estimated cost of \$450,000,000;

AND WHEREAS information about the Project is set out in Schedule A, attached to and forming part of this Order;

AND WHEREAS the Board received subsequent filings from Enbridge, dated 30 August 2013, 23 September 2013, 25 September 2013, 02 October 2013, and 05 November 2013;

AND WHEREAS the Board has considered the Letters of Comment filed 24 September 2013 and 30 October 2013 by landowners residing near the Project;

AND WHEREAS the Board has had regard to all considerations that are directly related to the Project and relevant, including environmental matters, pursuant to Part III of the NEB Act;

AND WHEREAS the Board has examined the Application and subsequent filings, and considers it to be in the public interest to grant the following relief;

IT IS ORDERED that, pursuant to sections 20 and 58 of the NEB Act, the Project, as specified in Schedule A, is exempt from the provisions of paragraph 30(1)(a) and section 31 of the NEB Act, subject to the following conditions:

1. Enbridge shall comply with all of the conditions contained in this Order unless the Board directs otherwise.

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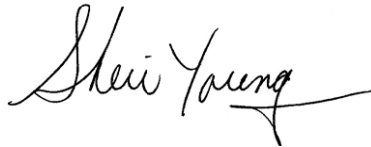
2. Enbridge shall cause the approved Project to be designed, located, constructed, installed, and operated in accordance with the specifications, standards and other information referred to in its application or in its related submissions.
3. Enbridge shall implement or cause to be implemented all of the policies, practices, programs, mitigation measures, recommendations and procedures for the protection of the environment included in or referred to in its application or in its related submissions.
4. Enbridge shall file with the Board, at least seven days prior to the planned start of construction:
 - a) confirmation that it has received clearance from the appropriate provincial authorities, and
 - b) a description of any specific recommendations contained therein, including Enbridge's proposed mitigation measures, pursuant to *The Heritage Property Act* of Saskatchewan and *The Historical Resources Act* of Manitoba.
5. Enbridge shall file with the Board, at least 30 days prior to commencing construction, the Wetland Compensation Plan and evidence demonstrating consultation with appropriate federal and provincial government authorities indicating their views on the methodology and results of the Plan.
6. Within 30 days of the date that the approved Project is completed, Enbridge shall file with the Board a confirmation, by an officer of the Company, that the approved Project was completed in compliance with all applicable conditions in this Order. If compliance with any of these conditions cannot be confirmed, the officer of the Company shall file with the Board details as to why compliance cannot be confirmed. The filing required by this condition shall include a statement confirming that the signatory to the filing is an officer of the Company.
7. i) Enbridge shall file with the Board, within 6 months of the commencement of operation of the Project, the noise mitigation strategies for Cactus Lake Station and West Souris Station, including:
 - a) The results of the post-construction noise monitoring at each site listed above;
 - b) A determination and report on whether additional mitigation is required to comply with Energy Resources Conservation Board Directive 038; and,
 - c) The implementation plan for each of these stations for any required mitigation.

ii) In the event that additional mitigation is implemented at Cactus Lake Station or West Souris Station, further to 7 . i) b) and c), Enbridge shall conduct further noise monitoring after implementing the mitigation.

iii) Enbridge shall file the results of any noise monitoring conducted pursuant to 7. ii) with the Board, within 1 year of the commencement of operation of the Project. Enbridge shall confirm that compliance with ERCB Directive 038 has been achieved.

8. Unless the Board otherwise directs prior to 10 February 2015, this Order shall expire on 10 February 2015, unless the project has commenced by that date.

NATIONAL ENERGY BOARD

A handwritten signature in cursive script that reads "Sheri Young". The signature is written in black ink and includes a long horizontal flourish extending to the right.

Sheri Young
Secretary of the Board

**ORDER XO-E101-002-2014
SCHEDULE A**

**Enbridge Pipelines Inc.
Application dated 15 August 2013
Assessed pursuant to section 58 of the *National Energy Board Act***

**Alberta Clipper Capacity Expansion Project Phase II
File OF-Fac-Oil-E101-2013-19-01**

Pipeline Specifications – Bypass, Drain and Relief Piping

Pipeline Name	Large Bore Unit Piping		Small Bore Drain and Relief Piping
Project Type	New construction		
Location (endpoints)	Hardisty Terminal (AB) at NE 19-42-9 W4M		
Length (m) (above ground)	40	16	28
Outside Diameter (NPS)	24	16	2
Minimum Wall Thickness (mm)	12.7	9.52	5.54
Pipe Material	Carbon steel		
Pipe Material Standard	CSA Z245.1		ASTM A106
Pipe Grade (MPa)	Grade 414, Cat I	Grade 241, Cat I	B
Pipe Manufacture Process	ERW		SMLS
External Coating Type	Epoxy Mastic/Surface Tolerant Epoxy with a Urethane topcoat		
Maximum Operating Pressure (kPag)	9930	1900	
Product	Heavy crude oil		

SCHEDULE A (continued)
ORDER XO-E101-002-2014

Pipeline Specifications – Pump Unit, Drain and Relief Piping

Pipeline Name	Large Bore Unit Piping	Small Bore Drain and Relief Piping	
Project Type	New construction		
Location (endpoints)	Cactus Lake Station (SK) at NE 32-36-27 W3M		
Length (m) (above ground)	120	42	55
Outside Diameter (NPS)	24	4	2
Minimum Wall Thickness (mm)	12.7	6.02	5.54
Pipe Material	Carbon steel		
Pipe Material Standard	CSA Z245.1	ASTM A106	
Pipe Grade (MPa)	Grade 414, Cat I	B	
Pipe Manufacture Process	ERW	SMLS	
External Coating Type	Epoxy Mastic/Surface Tolerant Epoxy with a Urethane topcoat		
Maximum Operating Pressure (kPag)	9930	1900	
Product	Heavy crude oil		

SCHEDULE A (continued)
ORDER XO-E101-002-2014

Pipeline Specifications – Pump Unit, Drain and Relief Piping

Pipeline Name	Large Bore Unit Piping	Small Bore Drain and Relief Piping	
Project Type	New construction		
Location (endpoints)	Herschel Station (SK) at SE and SW 16-31-9 W3M		
Length (m) (above ground)	160	42	55
Outside Diameter (NPS)	24	4	2
Minimum Wall Thickness (mm)	12.7	6.02	5.54
Pipe Material	Carbon steel		
Pipe Material Standard	CSA Z245.1	ASTM A106	
Pipe Grade (MPa)	Grade 414, Cat I	B	
Pipe Manufacture Process	ERW	SMLS	
External Coating Type	Epoxy Mastic/Surface Tolerant Epoxy with a Urethane topcoat		
Maximum Operating Pressure (kPag)	9930	1900	
Product	Heavy crude oil		

SCHEDULE A (continued)
ORDER XO-E101-002-2014

Pipeline Specifications – Pump Unit, Drain and Relief Piping

Pipeline Name	Large Bore Unit Piping	Small Bore Drain and Relief Piping	
Project Type	New construction		
Location (endpoints)	Loreburn Station (SK) at SW 12-26-5 W3M		
Length (m) (above ground)	94	30	42
Outside Diameter (NPS)	24	4	2
Minimum Wall Thickness (mm)	12.7	6.02	5.54
Pipe Material	Carbon steel		
Pipe Material Standard	CSA Z245.1	ASTM A106	
Pipe Grade (MPa)	Grade 414, Cat I	B	
Pipe Manufacture Process	ERW	SMLS	
External Coating Type	Epoxy Mastic/Surface Tolerant Epoxy with a Urethane topcoat		
Maximum Operating Pressure (kPag)	9930	1900	
Product	Heavy crude oil		

SCHEDULE A (continued)
ORDER XO-E101-002-2014

Pipeline Specifications – Pump Unit, Drain and Relief Piping

Pipeline Name	Large Bore Unit Piping	Small Bore Drain and Relief Piping	
Project Type	New construction		
Location (endpoints)	Bethune Station (SK) at SE 22-19-24 W2M		
Length (m) (above ground)	94	30	42
Outside Diameter (NPS)	24	4	2
Minimum Wall Thickness (mm)	12.7	6.02	5.54
Pipe Material	Carbon steel		
Pipe Material Standard	CSA Z245.1	ASTM A106	
Pipe Grade (MPa)	Grade 414, Cat I	B	
Pipe Manufacture Process	ERW	SMLS	
External Coating Type	Epoxy Mastic/Surface Tolerant Epoxy with a Urethane topcoat		
Maximum Operating Pressure (kPag)	9930	1900	
Product	Heavy crude oil		

SCHEDULE A (continued)
ORDER XO-E101-002-2014

Pipeline Specifications – Pump Unit, Drain and Relief Piping

Pipeline Name	Large Bore Unit Piping	Small Bore Drain and Relief Piping	
Project Type	New construction		
Location (endpoints)	Odessa Station (SK) at SW 35-15-14 W2M		
Length (m) (above ground)	94	30	42
Outside Diameter (NPS)	24	4	2
Minimum Wall Thickness (mm)	12.7	6.02	5.54
Pipe Material	Carbon steel		
Pipe Material Standard	CSA Z245.1	ASTM A106	
Pipe Grade (MPa)	Grade 414, Cat I	B	
Pipe Manufacture Process	ERW	SMLS	
External Coating Type	Epoxy Mastic/Surface Tolerant Epoxy with a Urethane topcoat		
Maximum Operating Pressure (kPag)	9930	1900	
Product	Heavy crude oil		

SCHEDULE A (continued)
ORDER XO-E101-002-2014

Pipeline Specifications – Pump Unit, Drain and Relief Piping

Pipeline Name	Large Bore Unit Piping	Small Bore Drain and Relief Piping	
Project Type	New construction		
Location (endpoints)	Langbank Station (SK) at SE and SW 2-13-3 W2M		
Length (m) (above ground)	94	30	42
Outside Diameter (NPS)	24	4	2
Minimum Wall Thickness (mm)	12.7	6.02	5.54
Pipe Material	Carbon steel		
Pipe Material Standard	CSA Z245.1	ASTM A106	
Pipe Grade (MPa)	Grade 414, Cat I	B	
Pipe Manufacture Process	ERW	SMLS	
External Coating Type	Epoxy Mastic/Surface Tolerant Epoxy with a Urethane topcoat		
Maximum Operating Pressure (kPag)	9930	1900	
Product	Heavy crude oil		

SCHEDULE A (continued)
ORDER XO-E101-002-2014

Pipeline Specifications – Pump Unit, Drain and Relief Piping

Pipeline Name	Large Bore Unit Piping	Small Bore Drain and Relief Piping	
Project Type	New construction		
Location (endpoints)	West Souris Station (MB) at NE and SE 16-8-21 W1M		
Length (m) (above ground)	120	42	55
Outside Diameter (NPS)	24	4	2
Minimum Wall Thickness (mm)	12.7	6.02	5.54
Pipe Material	Carbon steel		
Pipe Material Standard	CSA Z245.1	ASTM A106	
Pipe Grade (MPa)	Grade 414, Cat I	B	
Pipe Manufacture Process	ERW	SMLS	
External Coating Type	Epoxy Mastic/Surface Tolerant Epoxy with a Urethane topcoat		
Maximum Operating Pressure (kPag)	9930	1900	
Product	Heavy crude oil		

SCHEDULE A (continued)
ORDER XO-E101-002-2014

Pipeline Specifications – Pump Unit, Drain and Relief Piping

Pipeline Name	Large Bore Unit Piping	Small Bore Drain and Relief Piping	
Project Type	New construction		
Location (endpoints)	St. Leon Station (MB) at SW 33-4-9 W1M		
Length (m) (above ground)	94	30	42
Outside Diameter (NPS)	24	4	2
Minimum Wall Thickness (mm)	12.7	6.02	5.54
Pipe Material	Carbon steel		
Pipe Material Standard	CSA Z245.1	ASTM A106	
Pipe Grade (MPa)	Grade 414, Cat I	B	
Pipe Manufacture Process	ERW	SMLS	
External Coating Type	Epoxy Mastic/Surface Tolerant Epoxy with a Urethane topcoat		
Maximum Operating Pressure (kPag)	9930	1900	
Product	Heavy crude oil		

SCHEDULE A (continued)
ORDER XO-E101-002-2014

Facilities Specifications – Metering Facilities

Project Type	New construction
Facility Type	Metering station
Location	Hardisty Terminal (AB) at NE 19-42-9 W4M
Description	The analysis system consists of (2) banks, with each bank consisting of (5) parallel NPS 16 meter runs (1 new and 4 existing). Each meter run features one Positive Displacement (PD) flow meter. The bank operates (4) PD meters with (1) in-line spare. All meter runs are connected to a common, existing NPS 42 inlet and outlet header. Each meter is independently connected to an existing NPS 16 displacement prover.
Maximum Operating Pressure (kPag)	1900
Product	Heavy crude oil

SCHEDULE A (continued)
ORDER XO-E101-002-2014

Facilities Specifications – Pump Facilities

Project Type	New construction
Facility Type	Pump station
Locations and Descriptions	<p>Mainline Pumps (5750 hp):</p> <ul style="list-style-type: none"> • Cactus Lake Station (SK) at NE 32-36-27 W3M - Four • Herschel Station (SK) at SE and SW 16-31-9 W3M - Four • Loreburn Station (SK) at SW 12-26-5 W3M - Three • Bethune Station (SK) at SE 22-19-24 W2M - Three • Odessa Station (SK) at SW 35-15-14 W2M - Three • Langbank Station (SK) at SE and SW 2-13-3 W2M - Three • West Souris Station (MB) at NE and SE 16-8-21 W1M - Four • St. Leon Station (MB) at SW 33-4-9 W1M - Three
Maximum Operating Pressure (kPag)	9930
Product	Heavy crude oil