

ENBRIDGE PIPELINES (NW) INC.

Maintenance Digs

Line 21

December 1, 2017

Sahtu Land and Water Board
Box 1
Fort Good Hope, NT
X0E 0H0

Attention: Ms. Bonnie Bergsma
Regulatory Specialist – Sahtu Land and Water Board



Enbridge Pipelines
(NW) Inc.
Box 280
Norman Wells, NT
X0E 0V0
Canada

***Enbridge Pipelines Inc. ("Enbridge")
Line 21 liquids pipeline Maintenance Digs Project ("Project")
Application for Type A Land Use Permit, Application for Type B Water License***

Dear Ms. Bergsma:

Enclosed for filing with the Sahtu Land and Water Board ("SLWB") is an application for a Type B Water License and a Type A Land Use Permit for land use, water use and waste disposal associated with Enbridge Pipeline Inc.'s ("Enbridge") Line 21 liquids pipeline Maintenance Digs Project ("Project").

Enbridges Submission contains the following documents:

- Application fee payment
- Copies of:
 - Sahtu Land Use Plan Conformity Requirements Table
 - Water License Application Form
 - Land Use Permit Application Form
 - Land Use Permit Security Worksheet
 - Supplementary Information Appendices :
 - Appendix I: Project Description and Description of Land Use, Environmental and Socio-Economic Assessment, Anticipated Equipment and Fuel Requirements
 - Appendix II: Site Photos
 - Appendix III: Waste Management Plan
 - Appendix IV: Spill Contingency Plan
 - Appendix V: Project Location Maps and Construction Diagrams
 - Appendix VI: Engagement Plan, Public Consultation Information and Stakeholder Engagement Letters

For any Questions about the application, please contact the undersigned.

Sincerely,

ENBRIDGE PIPELINES (NW) INC.

Peter Cushman, Project Manager



P.O Box 1
 Fort Good Hope, NT
 X0E 0H0
 Tel: 867-598-2413 Fax: 867-598-2325
 www.slwb.com

APPLICATION FOR A NEW WATER LICENCE, AMENDMENT OF LICENCE, OR RENEWAL OF LICENCE

Application/Licence No:
 (amendment or renewal only)

<p>1. Name and Mailing Address of Applicant</p> <p>Enbridge Pipelines (NW) Inc.</p> <p>10175 101 Street NW</p> <p>Edmonton, AB T5J 0H3</p> <p>Telephone: (780) 392-4310</p> <p>Fax: (780) 392-4255</p>	<p>2. Address of Head Office in Canada if Incorporate</p> <p>Enbridge Pipelines (NW) Inc.</p> <p>10175 101 Street NW</p> <p>Edmonton, AB T5J 0H3</p> <p>Telephone: (780) 392-4310</p> <p>Fax: (780) 392-4255</p>
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3. Location of Undertaking (describe and attach a map, indicating watercourses and location of any proposed waste deposits).

Latitude 64.294308 Longitude -124.493307

4. Description of Undertaking (describe and attach plans)

Enbridge Pipelines (NW) Inc. ("Enbridge") is applying to the Sahtu Land and Water Board (SLWB) for a Type B Water Licence (S17P-005) to support a maintenance dig within the Saline River ("Project"). An application for a Type A Land Use Permit (S17L1-004) is also being submitted for the Project.

The Project will require less than 100 m³/day of water to maintain a minimum 10 cm snow/ice cover for maintenance dig excavation activities within the high water mark of the Saline River, for the creation of a snow/ice fill crossing of the Saline River to access a second maintenance dig excavation location along the south bank of the Saline River, above the high water mark, and support of the camp operations. As outlined in Schedule D of the Waters Regulations, this volume of direct water use is allowed without a Water Licence. As the Project will involve a watercourse crossing greater than 5 m at the high water mark, and there is the potential for a channel diversion larger than 5 m, a Type B Water Licence application is required. The Saline River in the Project area is anticipated to be dry or frozen to the bottom at the time of Project activities. Ground water is anticipated to infiltrate the excavation, and this water will be pumped from the excavation area and discharged to an approved area within the high water mark to prevent erosion and sediment deposition, and allow for the water to return to the Saline River. If water is present in the Saline River during Project activities, water levels downstream of the isolated Project area will be monitored to ensure fish passage is maintained. Water from upstream of the isolation area will either be pumped around to the downstream side of the isolation area, or the channel will temporarily be diverted around the isolation area. See **Appendix I** for a description of proposed activities.

5. Type of Undertaking.

- | | | | |
|-----------------------|------------|------------------|----------|
| 1. Industrial | <u> X </u> | 5. Agriculture | <u> </u> |
| 2. Mining and Milling | <u> </u> | 6. Conservation | <u> </u> |
| 3. Municipal | <u> </u> | 7. Recreation | <u> </u> |
| 4. Power | <u> </u> | 8. Miscellaneous | <u> </u> |

6. Water Use

- | | | | |
|--|------------|--------------------------------------|------------|
| To obtain water | <u> </u> | Flood control | <u> </u> |
| To cross a watercourse | <u> X </u> | To divert water | <u> X </u> |
| To modify the bed or bank of a watercourse | <u> X </u> | To alter the flow of, or store water | <u> </u> |

Other (describe):

7. Quantity of water involved (litres per second, litres per day or cubic meters per year), including both quantity to be used and quantity to be returned to source.

Less than 100 m³/day of water will be extracted for access preparation activities associated with the Project and operation of the camp to house Project staff. As outlined in Schedule D of the Waters Regulations, this volume of water use is allowed without the requirement of a water licence.

8. Waste deposited (quantity, quality, treatment and disposal)

A Waste Management Plan for the proposed activities is to be developed in accordance with the Board's *Guidelines for Developing a Waste Management Plan* (accessible at www.mvlwb.com) and submitted as an attachment to the application form. A template for this Plan is provided in the Guidelines. Applications for a municipal licence do not need to include a Waste Management Plan as this information is required under the Operation and Maintenance Plan.

In addition, applicants are referred to the Board's *Water and Effluent Quality Management Policy* (accessible at www.mvlwb.com) to understand the Board's approach to managing the deposit of waste into the receiving environment through enforceable terms and conditions set in water licences.

See **Appendix III** for Enbridge's Project-specific Waste Management Plan.

9. Other persons or properties affected by this Undertaking (give name, mailing address and location). Attach a list if necessary.

Not Applicable.

10. Predicted environmental impacts of Undertaking and proposed mitigation.

As part of the response to this section, a spill contingency plan for the proposed activities is to be developed in accordance with INAC's *Guidelines for Spill Contingency Planning, April 2007*. (accessible at <http://www.ainc-inac.gc.ca/ai/scr/nt/pdf/SCP-EUD-eng.pdf>). This plan is to be submitted as an attachment to the application form.

See **Appendix IV** for Enbridge's Spill Contingency Plan and **Appendix I** for the Environmental Assessment for the Project, which includes mitigation measures to be utilized during the Project. Details of erosion and sediment control measures are included in these recommended mitigation measures, and additional erosion and sediment control mitigations are provided in the DFO Fisheries Act Self-Assessment for the Saline River in **Appendix I**.

11. Contractors and sub-contractors (names, addresses and functions). Attach a list if necessary.

TBD

12. Studies undertaken to date. Attach a list if necessary.

Environmental Screening conducted August 15, 2017, see **Appendix I**.

13. Proposed time schedule.

Start date: 01/01/2018

Completion date: 31/03/2018

Name (print): _____ Signature: _____

Title (print): _____ Date: _____

Please make all cheques payable to "Receiver General of Canada"

FOR OFFICE USE ONLY

Application Fee Amount: \$ _____ Receipt No: _____

Water Use Deposit Amount: \$ _____ Receipt No: _____