



## APPLICATION FOR LICENCE, AMENDMENT OF LICENCE, OR RENEWAL OF LICENCE

Subsection 5(1) and Schedule C of the [Waters Regulations](#)

Use an "x" to indicate which Board the Application is being made to.	Mackenzie Valley Land and Water Board:		Sahtu Land and Water Board:	<b>X</b>
	Wek'èezhii Land and Water Board:		Gwich'in Land and Water Board:	

To complete this form please fill in the grey boxes and attach additional pages, if necessary. Please review the following guidance for formatting your Application package:

- [Document Submission Standards](#)
- [Standard Outline for Management Plans](#)

If applicable, insert existing or current Licence number:			
Use an "x" to indicate if this Application is accompanied by another Application for a Water Licence in a federal area and/or a Land Use Permit.	Water Licence:		
	Land Use Permit:		<b>X</b>

### 1. NAME AND CONTACT INFORMATION – APPLICANT

Applicant's Name:	Enbridge Pipeline (NW) Inc		
Mailing Address:	10175 - 101 Street NW		
Community:	Edmonton	Telephone:	587-336-6437
Prov/Terr:	Alberta	Email:	sarah.mckenzie@enbridge.com
Postal Code:	T5J 0H3	Other:	

### 2. NAME AND CONTACT INFORMATION – CORPORATE HEAD OFFICE, IN CANADA IF INCORPORATED

Please include a Certificate of Corporate Registration (**Appendix 1**) from the Government of the Northwest Territories in your Application Package.

Name:	Sarah McKenzie		
Mailing Address:	Suite 200, 10175 – 101 Street NW		
Community:	Edmonton	Telephone:	587-336-6437
Prov/Terr:	Alberta	Email:	sarah.mckenzie@enbridge.com
Postal Code:	T5J 0H3	Other:	

**3. LOCATION OF UNDERTAKING**

Attach a map indicating watercourses and the location of any proposed waste deposits. Refer to the [MVLWB Policy on Transboundary Applications](#) to identify whether the proposed activities are transboundary. Refer to the [MVLWB Guideline for Geographic Information Systems \(GIS\) Submission Standard](#) for providing geographic information. Provide latitude and longitude geographic coordinates of project features, and the maximum and minimum project boundary in degrees, minutes, seconds, or decimal degrees.

Minimum latitude:		Maximum latitude:	
Minimum longitude:		Maximum longitude:	
Please refer to <b>Land Use Permit Application</b> .			
<u>Land Type(s)</u> : Use an “x” to indicate all the type(s) of land on which the project activities are proposed to occur. <a href="#">Additional guidance to determine land type(s) is available on the MVLWB website</a> .			
Free Hold/Private:	<input checked="" type="checkbox"/>	Commissioner’s/ Territorial Lands:	<input type="checkbox"/>
		Federal Crown Land:	<input type="checkbox"/>
		Municipal Land:	<input type="checkbox"/>

**4. DESCRIPTION OF UNDERTAKING**

Include a description of the proposed activities and contact Board staff to determine whether an activity-specific questionnaire will be required. For proposed amendments to authorized activities, specify: the nature of the amendment, the condition(s) to be amended, and the rationale for the amendment.

<p>Enbridge proposes to replace an approximately 500 metre section of its Line 21 pipeline in the vicinity of Tulita, NT. The pipe replacement is preventative maintenance work and will be executed using horizontal directional drilling technology. Water withdrawal and disposal of bentonite-based slurry is required to complete drilling activity.</p> <p>Please refer to <b>Appendix 3 - Environmental and Socio-Economic Assessment, Section 2.0 – Project Description</b>.</p>
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**5. TYPE OF UNDERTAKING**

Please refer to Schedule B of the <a href="#">Waters Regulations</a> .		
Use an “x” to indicate which one type of undertaking applies.		
1	Industrial	<input checked="" type="checkbox"/>
2	Mining and milling	<input type="checkbox"/>
3	Municipal	<input type="checkbox"/>
4	Power	<input type="checkbox"/>
5	Agriculture	<input type="checkbox"/>
6	Conservation	<input type="checkbox"/>
7	Recreation	<input type="checkbox"/>
8	Miscellaneous	<input type="checkbox"/>
(describe):		

## 6. WATER USE

Please refer to Schedules D to H of the <a href="#">Waters Regulations</a> . Use an "x" to indicate which trigger(s) applies.		
To obtain water	X	
To cross a watercourse		
To modify the bed or bank of a watercourse		
Flood control		
To divert water		
To alter the flow of, or store, water		
Other		(describe):

## 7. QUANTITY OF WATER INVOLVED

Describe the purpose of each proposed water use, name and type (e.g., lake, river) of the water source, the location, and the quantity of water that would be used. Please add more rows if needed.

Purpose of Water Use	Name and Type of Water Source	Location	Geographic Coordinates (Decimal Degrees)		Proposed Water Use Volume/Rate
			Latitude	Longitude	
Hydrovac and HDD activities	Mackenzie River	Near the barge landing site	64.428	-124.774	Expected to be approximately 2,500 cubic metres total, but will allow for up to 5,000; water withdrawals will be limited to less than 299 cubic metres per day; it is estimated that the drilling rig will require approx. 25 cubic meters/day for operation
Hydrovac and HDD activities	Nearby spring fed waterbody	Along the RoW between KP	TBD	TBD	See above
Hydrovac and HDD activities	Little Smith Creek	Near the winter road bridge	64.435	-124.743	See above
<b>Note:</b> Only <u>one</u> water source is expected to be required and the most appropriate location will be determined at a later date.					

For each water source, provide a comparison of total proposed water use to the available capacity.

Water Source	Capacity of Water Source	Other Users of the Water Source	Comparison of Total Proposed Water Use to Available Capacity
Mackenzie River	Average flow rate at Norman Wells is 8,446 cubic metres per second	Indigenous communities, municipalities, as well as numerous industrial users throughout the Region	TBD

Spring fed waterbody	Hydrometric data is not available	None known	TBD
Little Smith Creek	Hydrometric data is not available	Likely Indigenous communities, other land and resource users	TBD

## 8. WASTE DEPOSITED

Include a Waste Management Plan in the Application Package, or for small-scale activities describe the proposed waste management activities in the space provided below. Guidance is provided in the [MVLWB Guidelines for Developing a Waste Management Plan](#). If waste is proposed to be disposed of off-site within the NWT, written confirmation (e.g., an email, letter, etc.) from the facility/facilities indicating they will accept the waste is required.

Municipalities must complete the relevant Operations and Maintenance Plans [using the available Templates](#) and include them in the Application Package. Please refer to Sections 4-8 of Environment and Climate Change Canada’s [Solid Waste Management for Northern and Remote Communities: Planning and Technical Guidance Document](#).

For activities that involve the deposit of waste into water, provide proposed effluent quality criteria in accordance with the [MVLWB Water and Effluent Quality Management Policy](#) and [MVLWB/GNWT Guidelines for Effluent Mixing Zones](#). Please refer to the [MVLWB/GNWT Guidelines for Effluent Mixing Zones](#) when mixing zones are being considered. Please refer to the [Guidelines for Aquatic Effects Monitoring Programs](#) for more information regarding the development of AEMP programs.

Please refer to **Appendix 6 – Waste Management Plan**

## 9. OTHER PERSONS OR PROPERTIES AFFECTED BY THIS UNDERTAKING

Applicants are encouraged to describe pre-Application engagement efforts with any existing water users and associated possible claims for water compensation or compensation agreements. Include the names and contact information of persons (e.g., existing licensees) or properties affected by this undertaking. An additional table should be added for each water user.

Name:			
Mailing Address:			
Community:		Telephone:	
Prov/Terr:		Email:	
Postal Code:		Other:	
Describe Engagement Completed: Please refer to <b>Appendix 8 - Engagement Summary</b>			

## 10. PREDICTED ENVIRONMENTAL IMPACTS OF THE UNDERTAKING AND PROPOSED MITIGATIONS

Describe all potential impacts and proposed mitigations. This information is used for the preliminary screening of impacts from the project and/or to develop conditions for the water licence. Please indicate whether any of the mitigation measures have been developed as a result of input from affected parties. Additional guidance is provided in [Appendix B of the MVLWB Guide to the Land Use Permitting Process](#), the [Mackenzie Valley Review Board Environmental Impact Assessment Guidelines](#), and the [Mackenzie Valley Review Board Socio-Economic Impact Guidelines](#). Alternatively, if you are seeking an exemption from preliminary screening, please provide supporting rationale.

Include a Spill Contingency Plan in the Application Package, or for small-scale activities, provide relevant details in the space provided below. Guidance is provided in [INAC Spill Contingency Guidelines](#).

Please refer to **Appendix 4 – Spill Contingency Plan** and **Appendix 3 – Environmental and Socio-Economic Assessment**

### 11. CONTRACTORS AND SUB-CONTRACTORS

Please include relevant names, responsibilities, and contact information in the fields below. An additional table should be added for each contractor.

Name:	TBD		
Responsibilities:	TBD		
Company Name:	TBD		
Mailing Address:	TBD		
Community:	TBD	Telephone:	TBD
Prov/Terr:	TBD	Email:	TBD
Postal Code:	TBD	Other:	

### 12. STUDIES UNDERTAKEN TO DATE

Please list and attach any relevant studies that support the proposed activities.

Studies undertaken for the Project are provided as appendices of **Appendix 3 – Environmental and Socio-Economic Assessment**. Studies undertaken to date include: Preliminary Environmental Studies Report, Supplemental Environmental Studies Report, Archaeological Overview Assessment, Archaeological Impact Assessment, and TK Study.

### 13. PROPOSED TIME SCHEDULE

Please include the time of year the project activities are planned to occur and indicate whether seasonal shutdowns are anticipated.

Start Date:	<i>August 2020</i>	Completion Date:	<i>March 31, 2022</i>
<b><i>Anticipated Dates</i></b>	<b><i>Project Activities</i></b>		
Summer 2020	Construction of barge landing, clearing along access road, and installation of matting required for access to camp site.		
Summer 2020	Construction/preparation of camp site.		
Jan – March 2021	Clearing, HDD construction, tie-ins, removal of existing pipeline, demobilization of equipment, haul-off drilling waste (if mix-bury-cover is not permitted).		
Summer 2021	Demobilization by barge of any equipment trapped by early spring break-up (back-up plan; only required if all equipment cannot be demobilized in winter).		
Jan – March 2021	If pipe removal is not completed in winter 2021, pipe removal will occur in winter 2022, followed by final clean-up and demobilization of any remaining equipment left on site.		

Term of Licence Requested:	Please refer to subsections 26(2) and 36(1) of the <a href="#">Waters Act</a> .  Enbridge requests a license that would be valid for 5 years, in conjunction with the associated application for a Type A LUP.
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#### 14. ADDITIONAL SUPPORTING INFORMATION

*Engagement:* Conduct engagement, prepare an Engagement Record and Engagement Plan in accordance with the [MVLWB Engagement Guidelines for Applicants and Holders of Water Licences and Land Use Permits](#), and attach them to the Application. Templates are provided in the Guidelines. Please also refer to [Information for Proponents on MVLWB’s Engagement Requirements](#).

*Eligibility:* Please contact federal, territorial, and Aboriginal governments and other parties to ensure all appropriate authorizations have been obtained or are in the process of being obtained. Obtain permission from the landowner, if necessary (e.g., obtain and reference licences of occupation, leases, access authorizations, etc.) and attach it/them to the Application.

*Land Use Planning:* Please contact the applicable Land Use Planning Board or Tłı̨cẖ Government to discuss conformity with the relevant Land Use Plan(s). Attach a Land Use Plan Conformity Table that demonstrates how the project meets the requirements of the Land Use Plan, if applicable.

*Traditional (Environmental) Knowledge (TEK/TK):* Applicants are strongly encouraged to include TEK/TK in the Application. Provision of TEK/TK is mandatory for Applications to the Sahtu Land and Water Board.

*Facilities:* Please include the supporting information referenced in subsection 5(2) of the [Waters Regulations](#) if the project includes the following: dam(s); storage reservoir(s); watercourse crossing(s); camp(s) or lodge(s); use of water for industrial use or mining and milling; deposit of waste; or handling or storage of petroleum products or hazardous materials.

*Closure and Reclamation:* Please describe the plan for closure and reclamation, including any temporary closures and seasonal shutdowns, or include a Closure and Reclamation Plan in the Application Package. Please also refer to [MVLWB/AANDC Guidelines for the Closure and Reclamation of Advanced Mineral Exploration and Mine Sites in the Northwest Territories](#) and Environment and Climate Change Canada’s [Solid Waste Management for Northern and Remote Communities: Planning and Technical Guidance Document](#).

*Closure Cost Estimate:* Prepare a [Closure Cost Estimate](#) and include it in the Application Package. Applicants are encouraged to contact the Board, prior to applying, to obtain a template to calculate security that is most suited to the project activities being applied for. Additional guidance is provided in section 2.2 of the [MVLWB/INAC/GNWT Guidelines for Closure and Reclamation Cost Estimates for Mines](#). If this Application is submitted concurrently with a Land Use Permit Application, please ensure water- and land-related activities and liabilities are provided.

*Financial Capacity:* Provide information relating to your financial capacity, as outlined in paragraph 26(5)(d) of the [Waters Act](#). Please note this information will be required by the Board prior to issuance.

<b>Engagement:</b> An engagement plan and summary for the Project is provided in <b>Appendix 8 – Engagement Plan and Summary</b> .
<b>Eligibility:</b> All new lands proposed for temporary use by the Project are located on privately held Sahtu land. Enbridge is discussing access with the Tulita District Land Corporation and will provide an

update when access rights have been obtained.

Land Use Planning: A Land Use Plan conformity table is provided in **Appendix 3 – Environmental and Socio-Economic Assessment**


Traditional (Environmental) Knowledge (TEK/TK): A TK Study for the Project is provided as Appendix E of **Appendix 3 – Environmental and Socio-Economic Assessment**

Facilities: Supporting information referenced in subsection 5(2) of the Waters Regulations can be found in **Appendix 6 – Waste Management Plan, Attachment 4 – Spill Contingency Plan, and Attachment 5 – Closure and Reclamation Plan**

Closure and Reclamation: Please refer to **Appendix 5 – Closure and Reclamation Plan**

Closure Cost Estimate: Please refer to **Appendix 9 – Closure Cost Estimate.**

Financial Capacity: Enbridge (NW) Inc is a subsidiary of Enbridge Inc., a publicly traded company headquartered in Calgary, AB, trading on the New York and Toronto stock exchanges. Enbridge has a 35 year operating history in the NWT and has held numerous permits and licences in the Mackenzie Valley.

Name (print)	Title (print)	Signature	Date
Sarah Mckenzie	Manager, Regulatory		June 30, 2020

**FOR OFFICE USE ONLY**

	Amount (\$)	Receipt no.
Application fee	\$30.00	
Water use deposit	\$50.00	

Please make all cheques payable to the Receiver General for Canada.

*The following guidance assists with determination of relevant fees:*

- (1) [Water Licence Application Fee, Water Use Fee, and Security Deposit Information](#);
- (2) [Water Use Fee Policy](#); and
- (3) [Water Use Fee Calculator](#).

Please submit completed applications to the Regulatory Manager or Executive Director at the respective Land and Water Board ([www.mvlwb.com](http://www.mvlwb.com), [www.wlwb.ca](http://www.wlwb.ca), [www.slwb.com](http://www.slwb.com), [www.glwb.com](http://www.glwb.com)).

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