



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:	X
	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:	New Application		
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:		X

1. NAME AND CONTACT INFORMATION – APPLICANT

Applicant's Name:	Sonya Saunders, Director, Strategic Infrastructure, Department of Infrastructure, Government of the Northwest Territories		
Mailing Address:	Box 1320		
Community:	Yellowknife	Telephone:	867-767-9082 ext. 31035
Prov/Terr:	NT	Email:	Sonya_Saunders@gov.nt.ca
Postal Code:	X1A2L9	Other:	

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

Please include a Certificate of Corporate Registration from the Government of the Northwest Territories in your Application Package.

Name:	Same as above (Item # 1)		
Mailing Address:			
Community:		Telephone:	
Prov/Terr:		Email:	
Postal Code:		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:	65° 9' 18.8" N	Maximum latitude:	65° 13' 25.5" N
Minimum longitude:	126° 18' 23.4" W	Maximum longitude:	126° 30' 53.4" W
Project overview map is provided within the Project Description Report (PDR). Refer to Section 6.3 in the PDR for additional information on the location of Project activities.			
<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. Additional guidance to determine land type(s) is available on the MVLWB website.			
Free Hold/Private:	X	Commissioner's/ Territorial Lands:	X
		Federal Crown Land:	
		Municipal Land:	

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>The Project includes the construction of an access road from Canyon Creek to Prohibition Creek. The proposed road will be approximately 13 kilometre (km) long with a ROW width of 60 metre (m). The road will consist of a two-lane gravel roadway with an 8.5 m wide driving surface with total footprint of approximately 16.6 m (assuming an average embankment height of 1.5 m with 3H:1V side slopes). The access road will be located within the partially cleared right-of-way (ROW), immediately northeast of the Mackenzie Valley Fibre Line (MVFL) and on the existing Mackenzie Valley Winter Road (MVWR).</p>
<p>The scope of work for the Project includes:</p> <ul style="list-style-type: none"> • Environmental planning and engineering studies. • Mobilizing and demobilizing construction equipment to and from Project work sites. • Clearing, grubbing, and stripping vegetated material from proposed Project alignment ROW and within proposed work areas at Edie Lake Quarry. • Geotechnical studies including geotechnical drilling at the quarry and along the road alignment. • Construction of an all-season access road between Prohibition Creek and Canyon Creek within the existing MVWR ROW. Construction activity will commence at the end of the CCASAR approximately 450 m southeast of the Canyon Creek bridge and end on the approach to the Prohibition Creek bridge (approximately 300 m northwest of Prohibition Creek). • Installation of equalization and drainage channel culverts at select locations within the ROW. • Sourcing and use of water from the Mackenzie River to provide dust suppression, material compaction, and temporary working surfaces during frozen ground conditions. • Operation of one borrow source (the Edie Lake Quarry). Work will include drilling, blasting,

excavation, crushing and stockpiling of granular materials. The Edie Lake Quarry and the permanent quarry haul road were previously developed by INF during the CCASAR project. Progressive reclamation will be completed at the Quarry during operations.

- Construction, operation, and reclamation of temporary support infrastructure areas (laydown and equipment staging areas).

Not included within the Project scope are the following activities:

- Operation and maintenance of the PCAR is not subject to screening as part of the Preliminary Screening process [Section 13, Schedule 1 of the *Exemption List Regulations* issued under the *Mackenzie Valley Resource Management Act (MVRMA)*].
- Rehabilitation and/or replacement of bridges along the PCAR including at Francis Creek, Helava Creek, and Christina Creek. Rehabilitation and/or replacement of bridges will proceed based on direction from structural engineers at a future date which is yet to be determined. As a result, all rehabilitation and/or replacement will be completed under separate regulatory approvals processes.
- Construction of a camp is not needed as Project personnel will stay in Norman Wells.

Additional information is provided in the PDR attached to this application.

5. TYPE OF UNDERTAKING

Please refer to Schedule B of the [Waters Regulations](#).

Use an "x" to indicate which one type of undertaking applies.

1	Industrial		
2	Mining and milling		
3	Municipal		
4	Power		
5	Agriculture		
6	Conservation		
7	Recreation		
8	Miscellaneous	X	(describe): Road Construction

6. WATER USE

Please refer to Schedules D to H of the Waters Regulations . Use an “x” to indicate which trigger(s) applies.		
To obtain water	X	
To cross a watercourse	X	
To modify the bed or bank of a watercourse	X	
Flood control		
To divert water		
To alter the flow of, or store, water		
Other		

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	
<p>Water use will be limited to dust suppression, temporary access roads in the winter, and to achieve compaction. Based on other recent INF projects in the NWT, direct water use for the Project is anticipated to be less than 250 m³/day, which is within the Type “B” WL thresholds (INF 2019). All water use during the Project will be tracked as per the Project WL. INF will utilize the Mackenzie River as the primary water source. Water supply may be supplemented by trucking water in from Norman Wells.</p> <p>Additional information is provided in the PDR attached to this application.</p>					

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
<p>Water source is the Mackenzie River, the available capacity of the river is not an issue.</p> <p>Additional information is provided in the Project Description Report attached to this application.</p>			

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.

Waste Management Plan provided in Appendix E of the PDR. An email from the Town of Norman Wells indicating that they will accept the waste is provided in Appendix C of the attached PDR.
No deposition of waste into water will occur during the Project.

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:	Engagement efforts are outlined in the Engagement Plan and Record in Appendix I of the attached PDR. The water source for the Project is the Mackenzie River as a result, claims for water compensation or compensation agreements associated with this water body are not anticipated.		
Mailing Address:			
Community:		Telephone:	
Prov/Terr:		Email:	
Postal Code:		Other:	
Describe Engagement Completed: Refer to Appendix I of the attached PDR.			

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](#).

Potential impacts and mitigations are discussed in Section 10 and Appendix H in the attached PDR.

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:	Contractor names will be provided upon contract award.
Responsibilities:	

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

12. STUDIES UNDERTAKEN TO DATE

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

<p>Archaeological Assessment – Refer to Section 6.13.2 and Appendix H in the PDR.</p> <p>Environmental Overview – Refer to Appendix H in the PDR.</p> <p>Traditional Knowledge Study – Refer to Section 9.1 and Appendix H in the PDR.</p>
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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:	September 2020	Completion Date:	September 2025
<p>Construction of the proposed Project is estimated to take approximately 18 to 24 months. INF is requesting a permit of five years. This will avoid the need to apply for an extension should construction be delayed due to seasonal, weather or other concerns that are not within the control of INF.</p> <p>Discussions on the Project schedule will occur with the selected Contractor, upon contract award. INF will inform the SLWB as the schedule evolves and is finalized. INF anticipates that the work would start at Canyon Creek and extend south to Prohibition Creek due to the all-season access between Canyon Creek and Norman Wells.</p> <p>Refer to Section 8 of the PDR for additional Information.</p>			
Term of Licence Requested:	Please refer to subsections 26(2) and 36(1) of the Waters Act . Type "B" Water Licence		

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 Tłı̨chǫ 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.

Engagement – Refer to Section 12.0 in the PDR.

Engagement Plan and Record – Refer to Appendix I in the PDR.

Eligibility – Refer to Section 3 in the PDR.

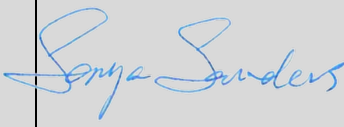
Land Use Planning – Refer to Section 11.0 in the PDR

Traditional Knowledge – Refer to Section 9.1 and Appendix H in the PDR

Closure and Reclamation - Refer to Section 7.0 in the attached PDR

Letters of Support – Refer to Appendix D in the PDR

Quarry Permit Application and Quarry Operations Plan – Refer to Appendix B in the PDR.

Name (print)	Title (print)	Signature	Date
Sonya Saunders	Director, Strategic Infrastructure, Department of Infrastructure		September 10, 2020

FOR OFFICE USE ONLY

	Amount (\$)	Receipt no.
Application fee	\$ 0	
Water use deposit	\$ 0	

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, www.wlwb.ca, www.slwb.com, www.glwb.com).