



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:	X	Sahtu Land and Water Board:	
	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](#)



Received: July 23, 2020

File #: MV2020L1-0006

If applicable, insert existing or current Licence number:	MV2013L1-0002	Copied to: <u>AL/Reg</u>
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:	Paramount Resources Ltd. (Terence Hughes)		
Mailing Address:	Suite 2800, 421 7 th Avenue SW		
Community:	Calgary	Telephone:	403-206-3859
Prov/Terr:	Alberta	Email:	terence.hughes@paramountres.com
Postal Code:	T2P 4K9	Other:	403-261-1214 (Fax)

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		
Mailing Address:	Same as above		
Community:	Same as above	Telephone:	403-290-3600
Prov/Terr:	Same as above	Email:	info@paramountres.com
Postal Code:	Same as above	Other:	Same as above

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:	60° 20'N	Maximum latitude:	60° 30'N
Minimum longitude:	123° 15'W	Maximum longitude:	123°30W
See attached project map			
<p><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.</p>			
Free Hold/Private:	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 Fort Liard West Project encompasses all-season and winter access roads; well sites, pipelines, valve sites and gas dehydration facilities; a water disposal well at O-80; a repeater site; camp, decking and staging sites; and various borrow pits and sumps. Six natural gas wells (Paramount <i>et al</i> K-29A, 2K-29, 3K-29, M-25, 2M-25 and F-25a) on three lease sites (K-29, M-25 and F-25) are tied-in to a 37.2km main pipeline that connects the K-29 lease site to a facility at the abandoned/reclaimed BP Pointed Mountain plant site. The M-25 lease site is linked to the F-25 plant site via a 1.4 km pipeline lateral and the F-25 plant is linked to the main pipeline via a 3.3 km pipeline lateral. Produced water from wells on the K-29 and F-25 leases was transported via pipeline to an injection well located at O-80.</p> <p>Activities include maintenance, monitoring, suspension, recompletion, reactivation, abandonment, reclamation and remediation. A Class B water licence is required to support this activity because the existing access road has watercourse crossings that are greater than 5 m in width. Ice bridges may be required (e.g., Liard River).</p> <p>Currently, the volume of water to be used is not to exceed 299 m³ per day or 60,000 m³ annually. The scope of activities for this Water Licence application is the same as those allowed in the expiring Water Licence. No different activities or new technologies are proposed that are not included in the existing Water Licence.</p>

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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	X	
2	Mining and milling		
3	Municipal		
4	Power		
5	Agriculture		
6	Conservation		
7	Recreation		
8	Miscellaneous		

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			
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	
Ice road, camp, dust control, fluid make up	Liard River	Near station 10ED001	60°14'29"N	123°28'31"W	299m ³ /day

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
	See attached document	Paramount	negligible

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.

A waste management plan is attached to this application.

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:			

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](#).

A Spill Contingency Plan is included with this application. See attachment A for additional project information.

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:	To be Determined		
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.

Studies undertaken include documentation filed in support of MV2001L-0011 and EA 99-0086, and subsequent annual monitoring reports under subsequent Land Use Permits and Water Licences.

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:	November 1, 2020	Completion Date:	October 31, 2025
Term of Licence Requested:	Please refer to subsections 26(2) and 36(1) of the Waters Act . 5 years		

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.

See attachment A for additional project information. Paramount currently has security posted for the project under MV2013L1-002 and would propose that it be amended to cover the new Water Licence. Paramount has been the holder of Land Use Permits and Water Licences at the project area for over 15 years and has maintained security throughout that time. Paramount has posted and maintained security dozens of times with the MVLWB over the last 20 years. Paramount has another significant security posted with the Government of the Northwest Territories for Liard West.

Name (print)	Title (print)	Signature	Date
Terence Hughes	Regulatory and Community Affairs Advisor		July 24, 2020

FOR OFFICE USE ONLY

	Amount (\$)	Receipt no.
Application fee	30.00	
Water use deposit	\$600.00	

Please make all cheques payable to the Government of the Northwest Territories.

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).