

Land and Water Boards of the Mackenzie Valley



LAND USE PERMIT APPLICATION FORM

Subsection 19(2) and Schedule 2 of the [Mackenzie Valley Land Use Regulations](#)

Use an "X" to indicate which Board the Application is being made to:	Mackenzie Valley Land and Water Board:	<input checked="" type="checkbox"/>	Sahtu Land and Water Board:	
	Wek'èezhìi Land and Water Board:		Gwich'in Land and Water Board:	

To complete this Form, please refer to the MVLWB [Guide to the Land Use Permitting Process](#) (Guide) and fill in the grey fields; attach additional pages, as necessary. Indicate N/A in the grey fields for Items or parts of Items that are not applicable. An application package checklist is provided in the Guide. Review the following MVLWB guidance for formatting your Application Package:

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

If applicable, provide the existing or current Land Use Permit file number:	
Use an "X" to indicate if this Application is accompanied by an Application for a Water Licence:	Water Licence – in a non-federal area:
	Water Licence – in a federal area:

1. NAME AND CONTACT INFORMATION – APPLICANT

Applicant's Name:	Marc-Antoine Berthiaume		
Position:	Owner/operator		
Company Name:	Berthiaume Arboriculture Ltd.		
Mailing Address:	Box 594, 10 wrigley dr		
Community:	Fort Smith	Telephone:	819-852-2825
Prov/Terr:	NT	Email:	Ma.berthiaume91@gmail.com
Postal Code:	XOE0P0	Other:	

2. NAME AND CONTACT INFORMATION – APPLICANT’S HEAD OFFICE

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

Use an “X” to indicate this information is the same as Item 1 above:		X	
Name:			
Position:			
Company Name:			
.			
Community:			
Prov/Terr:		Telephone:	
Postal Code:		Email:	
Field Supervisor:		Other:	

3. NAME AND CONTACT INFORMATION – CONTRACTORS AND SUB-CONTRACTORS

Include relevant names, responsibilities, and contact information. An additional table should be added for each contractor and sub-contractor.

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

	Use an “X” to indicate that contractor and/or subcontractor information is not available at this time.
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4. LOCATION OF ACTIVITIES

Use the grey fields below to provide or reference the following information:

<u>Traditional Place Name:</u>	Salt mountain
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Maps and Geographic Information System (GIS) Data: Include a map in your Application Package identifying local geographic features, watercourses and water sources, project structures, and location(s) of any proposed waste deposits. Provide geographic coordinates (latitude and longitude) of project features, and the maximum and minimum project boundary in degrees, minutes, seconds, or decimal degrees. Include GIS data in your Application Package, if applicable. Refer to the MVLWB [Geospatial Data Submission Standards](#) for providing geographic information.

NW corner:	60 1.17188’ N 112 29.90611 W	NE corner:	60 1.12942 N 112 29.35765 W
SW corner:	60 0.90809 N 112 29.88293 W	SE corner:	60 0.90166 N 112 29.34735 W

<u>NTS Map Sheet No.:</u> Provide the map sheet number:	85A
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Land Types: Use an “X” to indicate the type(s) of the land on which the activities are proposed:

Free Hold/ Private:		Commissioner's/ Territorial Lands:	X	Federal Land:		Municipal Land:	
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5. ELIGIBILITY

Refer to section 18 of the [Mackenzie Valley Land Use Regulations](#). Use an "X" to indicate which one applies:

18(a)(i):		18(a)(ii):		18(a)(iii):		18(b):	X
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6. RIGHTS AND/OR CONTRACTS TO SUPPORT ELIGIBILITY

Contact Indigenous, federal, and territorial governments, and other parties to ensure all appropriate rights, authorizations, permissions, dispositions, and contracts have been obtained or are in the process of being obtained (e.g., mineral exploration rights, quarry permits, licences of occupation, leases, access agreements and authorizations, etc.). List and provide confirmation of other authorizations that relate to the proposed activities; reference these in your Application Package (e.g., rights, permits, licences, etc.).

See ENR firewood permit FA004836 attached

7. PERMIT TYPE AND CRITERIA

Refer to sections 4 and 5 of the [Mackenzie Valley Land Use Regulations](#). Use an "X" to indicate which permitting criteria apply:

Type A				Type B				Type C	
4(a)(i):		4(b)(i):		5(a)(i):		5(b)(i):		(SLWB and WLWB only):	
4(a)(ii):	X	4(b)(ii):	X	5(a)(ii):		5(b)(ii):			
4(a)(iii):		4(b)(iii):		5(a)(iii):					
4(a)(iv):		4(b)(iv):		5(a)(iv):					
4(a)(v):				5(a)(v):					
				5(a)(vi):					

8. PROJECT DESCRIPTION

Include a project description in your Application Package, or for small-scale projects, describe the proposed activities in the grey field provided below. Include the name and type (e.g., lake, river) of water source(s), and the purpose and quantity of water to be used (rates, volumes (m³/day)). Indicate the total number of hectares to be used in each phase of the project, as well as through the life of the project.

Firewood / timber harvesting and processing operation

Clear a landing of 100x100m by NW corner

Harvest dead timber in burnt area using 50hp tractor equipped with a skidding winch and line skidder. Trees are to be tied up behind equipment and skidded to stockpile at landing site. Logs will be stored at landing until processing. Expecting to store up to 100 cords of wood on site.

Only selective cutting in non fire disturbed area.

Processing operations to be done by hand or using a mobile firewood machine. Firewood will be hauled away using a 1ton dump truck and a dump trailer. Wood debris will be burned when weather is suited.

9. CAMP

Describe the proposed camp size and layout. Indicate the number of person-days; explain, with rationale, any variations in the number of people that may be on site over the life of the project.

No infrastructure will be installed

10. ROADS AND ACCESSES

Provide detailed information about the construction, location, and decommissioning of any roads and accesses.

Use an "X" to indicate if this is to be a pioneered road or access:	Yes	X	Use an "X" to indicate if the route has been laid out or ground-truthed:	Yes	
	No			No	

Access road will be 30m long in phase 1. No culvert or ditch required.

Overburden will be left undisturbed until site closure.

11. PROPOSED WASTE MANAGEMENT METHODS

Use the grey fields below to provide or reference the following information:

Waste Management Plan: attached to application

Waste Type	Management Method(s)
Garbage:	Taken to town
Sewage (Sanitary and greywater):	Compost toilet on site
Brush and trees:	Wood debris will be burnt on site
Overburden (Organic soils, waste material, etc.):	Set aside and spread back after operation
Other (describe):	

Off-site Disposal: 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. Include it/these in your Application Package. Please note this information will be required by the Board prior to commencement of activities.

12. EQUIPMENT

Identify the types of equipment proposed to be used.

Number	Type/Description	Size (weight in tonnes)	Proposed use
1	50hp tractor	3 tons	Load firewood/ skid logs
1	Line skidder	8 tons	Skid logs
1	f-550 dump truck	4 tons	Haul firewood
1	F-350 and dump trailer	4 tons	Haul firewood

13. FUEL

Identify all fuel types proposed to be used.

Type of Fuel	Number of containers	Capacity of containers (e.g., litres, pounds)	Type of container (e.g., barrel, tank, tidy-tank)	Proposed storage or staging location(s)
Diesel:	2	25	Jerry can	In the back of service truck
Gasoline:	1	25	Jerry can	In the back of service truck
Aviation Fuel:				
Propane:				
Other: (describe)				

14. METHODS OF FUEL TRANSFER

Describe the proposed methods to transfer fuel.

Fueling done using a funnel to avoid spill.
Spill kit and spill tray available on site.

15. SPILL CONTINGENCY PLAN

Include a Spill Contingency Plan in your Application Package, if applicable, or for small-scale projects, provide relevant details in the grey field provided below. An example of this Plan can be found in the INAC [Guidelines for Spill Contingency Planning](#).

Spill kit and spill tray available on site.
Spill tray to be positioned under equipment when parked.
Contaminated soil/absorbent will be taken to town and properly managed.



16. PROPOSED PROJECT SCHEDULE AND TERM

Indicate the proposed project start and completion dates and the time of year the project activities are planned to occur. Describe any anticipated temporary closure(s) or seasonal shutdowns. Indicate the term requested.

Start Date:	1/03/2023	Completion Date:	1/10/2027
<p>Starting in March 2023 Clear 3x15m access road and 100x100m landing Start stock pilling logs in staging area Bring firewood machine on site and process up to 50 cords Firewood machine and logging equipment stored in the community of Fort Smith while operations are paused</p> <p>September to December 2023 Resume harvest and processing operations</p> <p>March/April 2024 Clear snow in landing area to access stockpile and process firewood. Line skidder may be used to harvest more wood if stockpile running low.</p> <p>September to December 2024 Resume harvest and processing operations</p> <p>2025-2026-2027 Harvest and process in the fall and late winter</p> <p>Fall 2027 Reclaim access road and landing by spreading topsoil back over area previously cleared</p>			
Term of Permit Requested:	5		

17. POTENTIAL ENVIRONMENTAL IMPACTS OF THE PROJECT AND PROPOSED MITIGATIONS

If the proposed project, or parts of the proposed project, may be exempt from preliminary screening, describe the rationale for the exemption in the grey field below. Include the date of the most recent screening, and/or the environmental assessment or impact review number.

<p>Low impact forestry operation. No water body or creek in harvest area. Area previously disturbed by wildfire. Topsoil pushed aside and light leveling for access road and landing.</p>
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Topsoil to be spread back at the end of operation.

Skidding trail are to be limited to avoid unnecessary disturbance.
 Skidding trail will be designed to keep impact on regeneration minimal.

Soil compaction is not a concern as area is rocky or sandy.

Unless the project could be exempt from preliminary screening, using the Impact-Mitigation Table below, or the more detailed Table in Appendix D of the [Guide](#), identify all potential impacts and possible mitigations that are relevant to the proposed project, and indicate whether any of the mitigation measures have been developed as a result of input from affected parties. Possible potential impacts are listed below; however, these lists are not exhaustive and may not apply to all projects. All information provided should reflect the size, scale, and nature of the proposed project. Cumulative impacts and climate change must be considered. Attach additional pages if needed.

Potential Impacts <i>Use an "X" to indicate which apply</i>	X	Potential Project Impacts and Proposed Mitigations <i>Describe the potential impact(s) and the proposed measure(s) to reduce each of these impacts.</i>
ABIOTIC COMPONENTS		
Land		
Soil contamination	X	Have spill kits available on site
Soil compaction	X	Avoid low area by having trail on high ridges
Destabilization/erosion	X	Use winch to pull logs out of steep slope
Change in soil structure		
Inability to support vegetation	X	Spread original soil back over disturbed area
Other		
Water		
Groundwater		
Water table alteration		
Infiltration changes		
Changes in water quality		
Temperature changes		
Other		
Permafrost		
Loss or change in extent		
Changes in seasonal fluctuations		
Change in persistence		
Other		
Surface Water		
Water flow or level changes (permanent, temporary, seasonal)		
Drainage pattern changes		
Temperature changes		

Potential Impacts <i>Use an "X" to indicate which apply</i>	X	Potential Project Impacts and Proposed Mitigations <i>Describe the potential impact(s) and the proposed measure(s) to reduce each of these impacts.</i>
Changes in water quality		
Wetland impairment		
Changes to aquatic habitat (see Biotic section below)		
Other		
Air		
Changes in air quality		
Harm to living things		
Increased greenhouse gases	x	Minimise equipment idling time
Other		
BIOTIC COMPONENTS		
Vegetation		
Direct loss of vegetation	x	Design skid trails to reduce drag over regen
Loss of Species at Risk or may-be-at-risk plants		
Change in species composition		
Introduction of non-native (invasive) species		
Effects on plant health (dust, metals, toxins)		
Increased risk of fire		
Compaction of vegetation	x	Minimise skidding trails
Other		
Terrestrial Wildlife Habitat		
Direct loss or removal of habitat, dens, or nests		
Loss or removal of keystone species and/or Species at Risk habitat		
Fragmentation of wildlife corridor		
Direct injury or mortality		
Disturbances to key lifecycle stages: breeding, feeding, nesting, staging	x	No harvest will be done during bird nesting season
Effects on population abundance		
Change in species diversity		
Effects on wildlife health (toxins, metals, etc.)		
Changes to migratory movement patterns		
Changes to predator-prey relationships		
Human-wildlife conflicts	x	avoid leaving any attractant
Other		
Aquatic Habitat		
Breeding disturbances		
Change in species diversity		
Effects on health (toxins, metals, sediment, etc.)		
Changes to migratory movement patterns		
Changes to predator-prey relationships		
Effects on population abundance		
Change in species diversity		
Other		

Potential Impacts <i>Use an "X" to indicate which apply</i>	Potential Project Impacts and Proposed Mitigations <i>Describe the potential impact(s) and the proposed measure(s) to reduce each of these impacts.</i>
X	
CULTURAL COMPONENTS	
Wildlife Harvesting	
Loss or reduction in game species populations	
Effects on traditional land use, subsistence, and harvesting rights	
Other	
Cultural Integrity and Heritage Resources	
Change to or loss of cultural integrity	
Change to or loss of traditional lifestyle	
Change to or loss of heritage resource	
Other	
Social and Economic Well-being	
Increased human health hazard and risk	
Economic opportunities or losses (employment, training)	
Change in ecological, cultural, social, or economic values identified for protection in approved Land Use Plans	
Impairment of the recreational or traditional uses of the land or water	
Impairment of the aesthetic quality of the land or water	
Changes to the use of the area by other non-Indigenous people (e.g., trappers, outfitters, residents, hunters, forest harvesters, other authorized projects)	
Other	

18. CLOSURE AND RECLAMATION

Use the grey field below to provide or reference the following information:

Closure and Reclamation Plan: Include a Closure and Reclamation Plan in the Application Package, if applicable, or for small-scale projects, describe the proposed closure and reclamation activities in the grey field provided below. Describe any temporary closure(s) and seasonal shutdowns. Please also refer to the MVLWB/AANDC [Guidelines for the Closure and Reclamation of Advanced Mineral Exploration and Mine Sites in the Northwest Territories](#).

Closure Cost Estimate: Prepare a Closure Cost Estimate and include it in your Application Package. Applicants are encouraged to contact Board staff, prior to applying, to determine which closure-cost-estimate template is most suited to the activities being applied for. Guidance is provided in section 2.2 of the MVLWB/INAC/GNWT [Guidelines for Closure and Reclamation Cost Estimates for Mines](#). If the Application is submitted concurrently with a Water Licence Application, the estimate should include a breakdown of water- and land-related activities and liabilities.

Overburden will be spread back over it's original location.
Any traces of operation shall be covered up to bring land as close to it's original condition.

19. ADDITIONAL SUPPORTING INFORMATION

Use the grey field below to provide or reference the following 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 include them in your Application Package. Templates are provided in the Guidelines. Please also refer to [Information for Proponents on MVLWB's Engagement Requirements](#).

Land Use Plans: Contact the applicable Land Use Planning Board or the Tłjchq Government to discuss conformity with the relevant land use plan(s). Include a Land Use Plan Conformity Table in your Application Package, demonstrating how the project meets the requirements of the Land Use Plan, if applicable.

Traditional (Environmental) Knowledge (TEK/TK): Provision of TEK/TK is mandatory for applications to the SLWB. Other applicants are strongly encouraged to include TEK/TK.

Studies Undertaken to Date: List any relevant studies that support the proposed activities and include them in your Application Package.

Engagement plan and documentation attached to file


20. FEES

Refer to the Guide for assistance in determining relevant fees.

Type of Fee	Amount (\$)
Application fee (if applicable):	\$150
Land-use fees (for federal areas only):	\$
Total Fees:	150\$

21. SIGNATURE

Marc-Antoine Berthiaume Berthiaume Arboriculture Ltd.	Owner/operator
Applicant's Name (print) or Company Name	Position (print)

	01/09/2022
Signature	Date

Review the application package checklist provided in the Guide, and submit completed applications to the Regulatory Manager or Executive Director identified on the “Contact Us” pages of the respective Land and Water Board (www.mvlwb.com, www.wlwb.ca, www.slwb.com, www.glwb.com).