

Land and Water Boards of the Mackenzie Valley



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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:	<input type="checkbox"/>	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:	MV2015W0011	
Use an "X" to indicate if this Application is accompanied by an Application for a Water Licence:	Water Licence – in a non-federal area:	<input type="checkbox"/>
	Water Licence – in a federal area:	<input type="checkbox"/>

1. NAME AND CONTACT INFORMATION – APPLICANT

Applicant's Name:	Robert Mills		
Position:	Acting General Manager		
Company Name:	Timberworks Inc		
Mailing Address:	P.O. Box 27		
Community:	Fort Resolution	Telephone:	780.782.4946
Prov/Terr:	Northwest Territories	Email:	rhills56@gmail.com
Postal Code:	X0E 0M0	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:			
Name:	X		
Position:	X		
Company Name:	X		
Mailing Address:	X		
Community:	X		
Prov/Terr:	X	Telephone:	X
Postal Code:	X	Email:	X
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:	Jeremy Beal		
Position:	Manager – Alberta Planning		
Company Name:	Forsite Consultants Ltd		
Mailing Address:	4711 91 Avenue NW		
Community:	Edmonton	Telephone:	587.487.1740 x1531
Prov/Terr:	Alberta	Email:	jbeal@forsite.ca
Postal Code:	T6B 2M7	Other:	780.655.2742

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:

Traditional Place Name:

Pine Point, Buffalo River, Little Buffalo River, Fort Resolution, Pointe Ennuyeuse
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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.

Minimum latitude:	60 39 N	Maximum latitude:	61 13 N
Minimum longitude:	112 50 W	Maximum longitude:	114 54 W

NTS Map Sheet No.: Provide the map sheet number:

NTS085A11-15, NTS085B10, NTS085B14,
NTS085H03-04

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):	X	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.).

Leased Mineral Claim Numbers – F73125, F73126, F73127, F73128, F73157
 Active Mineral Claim Numbers –K12423, K15913, K15915, K15916
 GNWT DOT – MV10X11
 Rows Construction – No active overlapping permits identified
 Patterson Sawmills Ltd. – No active overlapping permits identified

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):		5(a)(ii):		5(b)(ii):			
4(a)(iii):	X	4(b)(iii):		5(a)(iii):					
4(a)(iv):	X	4(b)(iv):	X	5(a)(iv):					
4(a)(v):	X			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.

Timberworks Inc., a business partnership between the Deninu K'ue First Nation and the Fort Resolution Métis Council, established a 25-year Forest Management Agreement with the Government of the Northwest Territories in 2014 to enable development of a forest biomass industry in the region. This is an LUP renewal application (original permit - MV2015W0011) to access timber harvest areas for approximately 80,000 m³/year of conifer and 70,000 m³/year of deciduous over a period of approximately 7-years. Harvesting will occur throughout the Fort Resolution FMA (maps provided in documents) and logs will be transported from each harvest block to a manufacturing facility. A more complete summary of operations is provided in the accompanying LUP Application Renewal – Five Year Timber Harvest Plan document.

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.

Refer to, 2_FortRes_Camp_Plan_20220301.pdf document

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	X

Refer to, 1_FortRes_Five_Year_Timber_Harvest_Plan_20220301.pdf document.

The route has not been laid out or ground-truthed, only aerial and some ground reconnaissance to date.

11. PROPOSED WASTE MANAGEMENT METHODS

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

Waste Management Plan: Include a Waste Management Plan in your Application Package, if applicable, or for small-scale projects, describe the proposed waste management activities in the grey fields provided below. A template for the Plan can be found in the MVLWB [Guidelines for Developing a Waste Management Plan](#).

Waste Type	Management Method(s)
Garbage:	Refer to, 3_FortRes_Waste_Management_Plan_20220301.pdf document
Sewage (Sanitary and greywater):	
Brush and trees:	
Overburden (Organic soils, waste material, etc.):	
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. **Refer also to, 1_FortRes_Five_Year_Timber_Harvest_Plan_20220301.pdf document.**

Number	Type/Description	Size (weight in tonnes)	Proposed use
2	Low Bed Tractor-Trailer, GERRYYS KLM205	10	Transport heavy equipment
2	Crawler Tractor, CAT D7	21	Clear and maintain access routes
2	Grader, CAT 140M3	20	Level winter roads
2	Water Truck, MACK CH613	20	Build up road surface with ice
3	Excavator, CAT 320	22	Ditch, pile debris, reclaim roads
4	Feller Buncher, John Deere 953	32	Fell and bunch trees
3	Grapple skidder, John Deere 748	15	Skidding logs to roadside/landing
3	Danglehead Processor, John Deere 21554D; Waratah 623	28	Remove branches and cut logs to desired lengths
3	Log Loader, John Deere 2454D	36	Load logging trucks
15	Logging Truck & trailer, 7 Axle B-train	65	Haul logs from the site to the mill
6	Pickup trucks, heavy duty	6	Transport personnel and equipment
6	Snowmobiles	0.275	Transport personnel
1	Water truck, Mack CH613	20	Transport potable water to camp
1	Pumper Truck, Kenworth T-300	20	Transport sewage from camp

13. FUEL

Identify all fuel types proposed to be used. **Refer to, 4_FortRes_Spill_Contingency_Plan_20220301.pdf document**

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:				
Gasoline:				
Aviation Fuel:				
Propane:				
Other: (describe)				

14. METHODS OF FUEL TRANSFER

Describe the proposed methods to transfer fuel.

Refer to, 4_FortRes_Spill_Contingency_Plan_20220301.pdf document

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](#).

Refer to, [4_FortRes_Spill_Contingency_Plan_20220301.pdf](#) document

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:	Fall 2022	Completion Date:	Fall 2027
5 years plus 2 year extension. Planning operations are expected to be ongoing but road building and harvesting activities will only occur throughout the winter months.			
Term of Permit Requested:	5 Years		

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.

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.

Refer to, [1_FortRes_Five_Year_Timber_Harvest_Plan_20220301.pdf](#) document for completed table.

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	
Soil compaction	X	
Destabilization/erosion	X	

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>
Change in soil structure		
Inability to support vegetation		
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		
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		
Other		
BIOTIC COMPONENTS		
Vegetation		
Direct loss of vegetation		
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		
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		

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>
Fragmentation of wildlife corridor		
Direct injury or mortality		
Disturbances to key lifecycle stages: breeding, feeding, nesting, staging		
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		
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		
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,		

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>
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.

(As also included within the 2_FortRes_Camp_Plan_20220301.pdf document)

Closure and Reclamation Plan:

- a) Employ progressive clean-up during camp operation to minimize efforts required to close and reclaim the site.
- b) At the end of the harvest season, completely remove all equipment and stored fuel.
- c) At the end of camp usage, completely remove all camp infrastructure and return the site to as close as possible, the original, pre-disturbance 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 Tłı̨ch̨ 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 Engagement Record accompanying Application Form.

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

Robert Mills, Timberworks Inc	Acting General Manager
Applicant's Name (print) or Company Name	Position (print)

<i>Robert Mills</i>	March 5, 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).