

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:	X	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:	MV2020X0004	
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:	Patrick Smith		
Position:	Environmental Licensing Analyst		
Company Name:	Northwest Territories Power Corporation (NTPC)		
Mailing Address:	4 Capital Drive		
Community:	Hay River	Telephone:	867-875-7872
Prov/Terr:	NT	Email:	PSmith@ntpc.com
Postal Code:	X0E 1G2	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:			
Mailing Address:			
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:	X		
Position:			
Company Name:			
Mailing Address:			
Community:		Telephone:	
Prov/Terr:		Email:	
Postal Code:		Other:	

X	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:

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° 23' 15.366" N	Maximum latitude:	60° 26' 42.247" N
Minimum longitude:	111° 17' 6.144" W	Maximum longitude:	111° 24' 0.770" W

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

Land Types: Use an “X” to indicate the type(s) of the land on which the activities are proposed:

Free Hold/ Private:	X	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):	X	18(a)(iii):		18(b):	
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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.).

Refer to Taltson Hydro- Lands Information- Land-Use Permit Application for Construction of Taltson Hydro Replacement Support Facilities from initial application

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

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.

Project description is provided in application package in Taltson Overhaul- Type A LUP MV2020X0004-Project Update

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.

Staff lodging facilities will be constructed on private lands, as per the legislation the land use permit will be for construction of staff lodging only not continued operation. Please refer to Taltson Hydro-Construction of Replacement Facilities and Overhaul- Construction, Wildlife Management and Reclamation Plan for details

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	

All access will be provided by existing site roads.

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:	Please refer to Taltson Hydroelectric Facility Waste Management Plan - April 2022.
Sewage (Sanitary and greywater):	Please refer to Taltson Hydroelectric Facility Waste Management Plan - April 2022.
Brush and trees:	Please refer to Taltson Hydro- Construction of Replacement Facilities and Overhaul Construction, Wildlife Management and Reclamation Plan
Overburden (Organic soils, waste material, etc.):	Please refer to Taltson Hydro- Construction of Replacement Facilities and Overhaul Construction, Wildlife Management and Reclamation Plan
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
	Please refer to Taltson Hydro- Construction of Replacement Facilities and Overhaul Construction, Wildlife Management and Reclamation Plan		

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:	Please refer to Taltson Hydroelectric Facility Waste Management Plan			
Gasoline:				
Aviation Fuel:				
Propane:				
Other: (describe)				

14. METHODS OF FUEL TRANSFER

Describe the proposed methods to transfer fuel.

Please refer to Taltson Hydro- Construction of Replacement Facilities and Overhaul- Construction, Wildlife Management and Reclamation Plan, Taltson Hydroelectric Facility - Spill Contingency Plan- April 2022.

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](#).

Please refer to Taltson Hydroelectric Facility - Spill Contingency Plan- April 2022.

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:	June 8, 2020	Completion Date:	June 8, 2025
<p><u>Mitigations:</u> NTPC plans to collect water samples from the Taltson forebay on May 27, 2022, to produce a turbidity curve to aid in turbidity monitoring during the construction phase. NTPC plans to mobilize all mitigation measures on July 15th, one day prior to commencement of construction.</p> <p><u>Construction Schedule:</u> NTPC plans to begin construction on July 16, 2022 and is expected to complete the scope of work on July 31, 2022.</p> <p>Detailed project schedule is provided in 2) Taltson Overhaul- Type A LUP MV2020X0004- Project Update</p>			
Term of Permit Requested:			

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.

NTPC feels this project is exempt from preliminary screening as this application is only an amendment to the existing Type A Land Use Permit MV2020X0004 for the construction is replacing existing facilities on privately owned lands except for a few storage facilities.

Under the Preliminary Screening Requirement Regulations, a project may be exempt from preliminary screening in accordance with the Exemption List Regulations; under section 157.1 of the Mackenzie Valley Resource Management Act (MVRMA); or national security or emergency purposes. NTPC supports the position that the Requests should be exempt from preliminary screening as per subsection 157.1 of the MVRMA, which states:

“Part 5 does not apply in respect of any licence, permit or other authorization related to an undertaking that is the subject of a licence or permit issued before June 22, 1984, except a licence, permit or other authorization for an abandonment, decommissioning or other significant alteration of the project.”

The current Licence (MV2011L4-0002) and the existing Land Use Permit (MV2020X0004) were both deemed exempt from Part 5 based on the above subsection 157.1 of the MVRMA. In addition, preliminary screenings were conducted for the project as part of the Licence renewal in 1996 and in 1993. The 1996 and 1993 screenings pertain to the power generating facilities and roads.

Based on the above NTPC supports the position that this project is exempt from preliminary screening.

All potential impacts and proposed mitigations have been provided in management plans and are included in the Impact-Mitigation Table below.

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	<ul style="list-style-type: none"> • To avoid potential risk of soil contamination due to hydrocarbon spills, all equipment and trucks will be maintained in good working order and inspected regularly for hydrocarbon leaks. • Drip trays will be deployed under all stationary equipment that use fuel, and all equipment and vehicles will be equipped with spill kits. • Refueling of equipment and vehicles will take place in designated refuelling areas containing spill contingency equipment and appropriate containment. • Fuel storage areas will have controlled access (authorized personnel only) and shall have secondary containment or an adequate spill collection system to allow for the containment of at least 110% of the largest container or tank volume within the contained area, plus 10% of the aggregate capacity of all other containers or tanks. • All employees and contractors will be trained on the safe handling, transfers and dispensing of fuels and are required to go through an orientation session to familiarize themselves with the <i>Taltson Hydroelectric Facility Spill Contingency Plan</i>. • All project personnel and staff are to follow the standard operating procedures and mitigation measures presented in <i>Taltson Hydroelectric Facility and Winter Road- Spill Contingency Plan - April 2022</i> which includes the above mitigation measures.
Soil compaction		
Destabilization/erosion	X	<ul style="list-style-type: none"> • Erosion and sediment control measures will be implemented prior to works commencing and will be properly inspected and maintained during the Project. Erosion and sediment control measures will be implemented in accordance with current industry standards and best management practices and in accordance with the <i>Taltson Hydroelectric Facility Spill Contingency Plan</i>.

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>
		<ul style="list-style-type: none"> • A construction inspection and monitoring program will be implemented to evaluate erosion and sediment control measures. • Damaged or non-functional erosion control measures will be repaired as soon as possible, or operations will cease until repairs are completed. • To avoid the risk of slope erosion post-construction, proposed works will not change the slope angle or decrease bank stability of existing shoreline during in waterworks (water-intake). • Ground disturbance will be avoided where practical to reduce surface erosion processes, and areas with erodible soils will be stabilized following disturbances. • Areas with exposed soil must have surface roughening, seeding and mulching implemented to mitigate sediment and erosion concerns.
Change in soil structure	X	<ul style="list-style-type: none"> • To reduce changes to soil structure, operation of machinery when soils are highly saturated (primarily during freshet) will be avoided where possible. Where unavoidable, suitable ground equipment will be used to prevent unnecessary soil damage. • Ground stabilization activities will be limited to within 1 m of the Project Footprint. Use boardwalks, walking boards or mats composed of plywood or fiberglass grating to prevent damage to wetland surfaces.
Inability to support vegetation		
Other		
Water		
Groundwater		
Water table alteration		
Infiltration changes		
Changes in water quality	X	<ul style="list-style-type: none"> • Cleaning, refuelling maintenance of any equipment should be conducted in a dedicated area away from any slopes and away from water bodies on impermeable pads (drip tray) or buried liners to allow full containment of spills • A waterproof liner should be placed on the bottom and sides of a trench to avoid ground water contamination.
Temperature changes		
Other		
Permafrost		
Loss or change in extent		
Changes in seasonal fluctuations		
Change in persistence		

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>
Other		
Surface Water		
Water flow or level changes (permanent, temporary, seasonal)		
Drainage pattern changes		
Temperature changes		
Changes in water quality	X	<ul style="list-style-type: none"> • No work will occur in or within 30 m of the water, including the removal of vegetation, until the appropriate ESC measures have been properly implemented in accordance with <i>Taltson Hydro-Construction of Replacement Facilities and Overhaul, Erosion and Sediment Control Plan</i>. • During any in water works, turbidity curtains will be installed, and a turbidity monitoring program will be implemented. • Cleaning, refuelling maintenance of any equipment will be conducted in a designated areas away from any slopes and away from water bodies on impermeable pads (drip tray) or buried liners to allow full containment of spills • Work will stop if sedimentation issues occur outside of work areas until the cause of • sedimentation is identified and properly addressed • Use silt fencing will be used around the perimeter of work areas to allow for surface water to pond while sediment particles settle. • Hazardous materials and hazardous waste shall be stored at least 100 m from surface water and on a low-permeability area.
Wetland impairment		
Changes to aquatic habitat (see Biotic section below)		
Other		
Air		
Changes in air quality	X	<p>To reduce dust from vehicle traffic, or from wind erosion the following mitigation measures will be implemented:</p> <ul style="list-style-type: none"> • Reduce vehicle traffic from entering and leaving the Site and maintain a reduced speed limit within the site or work areas. • Should dust be created during any construction activity, then they will be suppressed using the appropriate method (i.e., addition of water to soils, tarps) • Stockpiles will be covered with tarps and silt fences installed around work areas. • Water will be applied daily to exposed soils and stockpiles during dry periods. • Dust suppression techniques will be applied as required using the GNWT Guideline for Dust

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>
		Suppression and the GNWT-INF Erosion and Sediment Control Manual to minimise dust emissions on vegetation and habitat outside of right of way.
Harm to living things		
Increased greenhouse gases		
Other	X	<ul style="list-style-type: none"> • Limit idling of vehicles.
BIOTIC COMPONENTS		
Vegetation		
Direct loss of vegetation	X	<ul style="list-style-type: none"> • Minimize areas of disturbance by limiting the extent of vegetation clearance, and using areas that area already cleared from historic use where possible. • Minimize vegetation clearing to brushing and danger tree removal only. • Conduct site clearing during winter months if possible.
Loss of Species at Risk or may-be-at-risk plants	X	<ul style="list-style-type: none"> • Minimize areas of disturbance by limiting the extent of vegetation clearance, and using areas that area already cleared from historic use where possible. • Implement reclamation measures for non-permanent areas of vegetation using local native vegetation.
Change in species composition	X	<ul style="list-style-type: none"> • Minimize areas of disturbance by limiting the extent of vegetation clearance, and using areas that area already cleared from historic use where possible. • Implement reclamation measures for non-permanent areas of vegetation using local native vegetation.
Introduction of non-native (invasive) species	X	<ul style="list-style-type: none"> • Clean vehicles before entering site to avoid the spread of invasive and noxious plants. • Check vehicles and equipment entering or leaving the project for dirt or plant propagules. Reclean vehicles that have travelled through a weed-infested area to minimise spread of noxious and invasive plants. • Ensure cleaning locations are available on site to enable cleaning of vehicles. Dispose of plant fragments responsibly, ensuring they do not re-enter the environment. • Remove non-native invasive species when observed to prevent the spread and establishment of such plant species.
Effects on plant health (dust, metals, toxins)		
Increased risk of fire		
Compaction of vegetation		
Other		

<p align="center">Potential Impacts <i>Use an "X" to indicate which apply</i></p>	<p align="center">X</p>	<p align="center">Potential Project Impacts and Proposed Mitigations <i>Describe the potential impact(s) and the proposed measure(s) to reduce each of these impacts.</i></p>
Terrestrial Wildlife Habitat		
<p>Direct loss or removal of habitat, dens, or nests</p>	<p align="center">X</p>	<ul style="list-style-type: none"> • Minimize the area of vegetation cleared by limiting it to brushing and danger tree removal only. • Conduct the site clearing during winter months only and leave removed vegetation onsite, perpendicular to forest edge where possible to allow for proper decomposition when not stacking for burning. • Any excavations are to be graded with slopes less than 70° to prevent Bank Swallows from nesting. • Pre-clearing den and nest surveys will be completed by a QEP and GNWT-ENR will be notified where an active mammal den is identified. Operations to be paused while GNWT-ENR are consulted.
<p>Loss or removal of keystone species and/or Species at Risk habitat</p>	<p align="center">X</p>	<ul style="list-style-type: none"> • Wildlife surveys will be completed before any land clearing, or earthworks. Dens and valuable habitats will be reported to ENR. • Destruction of bat roosts will be avoided through gradual clearing of vegetation outside of active maternity roosting season (spring through fall). Any vegetation clearance within this timeframe must be preceded by a pre-clearing survey, and 'no-work zones' enforced where roosts are identified to avoid disturbance or destruction of roosts. • Avoid disturbing nests and eggs by completing work outside of the breeding bird season (Early May- Late August). If construction takes place within this timeframe, establish no-work zones with a buffer where there is evidence of nesting. A QEP will carry out non-intrusive checks for nests pre-clearing.
<p>Fragmentation of wildlife corridor</p>		
<p>Direct injury or mortality</p>	<p align="center">X</p>	<ul style="list-style-type: none"> • Prior to any clearing activities wildlife surveys will be completed. If clearing occurs within the denning season period, a den survey will be completed. • If an active mammal den is identified during surveys or during clearing or maintenance activities, work will be immediately stopped and GNWT-ENR will be contacted to determine subsequent steps. • Speed limits of 30 kph along site roads will be enforced. • When travelling to and from work areas, limit vehicle-wildlife collisions by reducing speed limit and giving animals the right-of-way. Vehicles encountering wildlife on roads are required to stop and radio communicate the presence of wildlife on the road(s) to the Environment Department and others in the area. • Clear vegetation gradually, outside of active maternity roosting season (spring through fall) and

<p align="center">Potential Impacts</p> <p align="center"><i>Use an "X" to indicate which apply</i></p>	<p align="center">X</p>	<p align="center">Potential Project Impacts and Proposed Mitigations</p> <p align="center"><i>Describe the potential impact(s) and the proposed measure(s) to reduce each of these impacts.</i></p>
		bird nesting season (early May to late August) to minimize disturbance to bats and birds. <ul style="list-style-type: none"> • Enforce a no-chase policy.
Disturbances to key lifecycle stages: breeding, feeding, nesting, staging	<p align="center">X</p>	<ul style="list-style-type: none"> • Avoid construction activities during sensitive periods for wildlife (e.g. breeding season) to ensure populations are not adversely affected at this time.
Effects on population abundance	<p align="center">X</p>	<ul style="list-style-type: none"> • Prior to any clearing activities wildlife surveys will be completed. If clearing occurs within the denning season period, a den survey will be completed. • Limit operations and construction to daylight hours only, to minimise disturbance to wildlife. • Avoid construction activities during sensitive periods for wildlife (e.g. breeding season) to ensure populations are not adversely affected at this time. • Local wildlife populations may be monitored using a QEP.
Change in species diversity	<p align="center">X</p>	<ul style="list-style-type: none"> • Minimize areas of disturbance by limiting the extent of vegetation clearance, and using areas that area already cleared from historic use where possible. • Where possible, provide artificial habitats such as bat and owl boxes to offset the habitat lost through vegetation clearance.
Effects on wildlife health (toxins, metals, etc.)	<p align="center">X</p>	<ul style="list-style-type: none"> • Use industry standards for fuel containment, storage, handling, and transport to avoid contamination to the environment. • Equip all equipment and trucks with industry-standard emission control systems and spill kits. • Ensure staff are trained in the Workplace Hazardous Materials Information System and the Transportation of Dangerous Goods to avoid accidental spills. • Train all staff in spill response procedures and use of emergency spill kits to minimize adverse effects to vegetation and wildlife habitat. • Regularly maintain all equipment and trucks to ensure all are in good working order and free of leaks. • Prohibit idling except where necessary for construction. • Contact GNWT-ENR or the ECCC immediately if wildlife exposure to contaminants occur, who will determine the appropriate course of action.
Changes to migratory movement patterns	<p align="center">X</p>	<ul style="list-style-type: none"> • Where large mammals (bison, caribou, moose) are observed in areas of hazards, suspend construction and operations immediately to allow wildlife to move away. • Boreal caribou collar locations may be used to notify

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>
		construction crews of their proximity to active construction areas during the late-winter and calving season, and increased mitigation measures will be triggered as determined by GNWT-ENR. <ul style="list-style-type: none"> • Observation of any caribou, moose, bison and other large mammals will be reported to the NTPC Project Monitor.
Changes to predator-prey relationships	X	<ul style="list-style-type: none"> • Avoid creating/ increasing straight-line distances via vegetation clearance, as this increases the ability for predators to predate on prey, thus potentially shifting predator-prey dynamics. • Where possible, maintain habitat structural complexity by minimising vegetation clearing.
Human-wildlife conflicts	X	<ul style="list-style-type: none"> • Complete the work in winter where possible when most migratory birds are not present, and bears are denning. • Prohibit littering, feeding and interaction with wildlife. • Collect and store all food and food waste in a manner inaccessible to furbearers and transport to approved facilities. • Train all staff and site personnel in proper waste management practices for the Project to avoid wildlife attraction. • Staff to communicate wildlife sightings by radio, who will relay sightings to Site Supervisors and equipment officers in the area.
Other		
Aquatic Habitat		
Breeding disturbances		
Change in species diversity		
Effects on health (toxins, metals, sediment, etc.)	X	<ul style="list-style-type: none"> • During any in water works, turbidity curtains will be installed, and a turbidity monitoring program will be implemented. • To avoid adverse impacts to fish populations, a fish salvage will be undertaken prior to in water works as part of the water intake construction. • All machinery working will be in good working order and inspected for hydrocarbon leaks or abrasions on hydraulic lines that could develop into a leak during construction. • Equipment and vehicles not in use will be parked 30 m away from water ways and drip trays will be deployed underneath when not in operation.
Changes to migratory movement patterns		
Changes to predator-prey relationships		
Effects on population abundance		

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 species diversity		
Other		
CULTURAL COMPONENTS		
Wildlife Harvesting		
Loss or reduction in game species populations	X	Hunting, trapping, and fishing will be prohibited by all project staff and contractors.
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)	X	Hunting, trapping, and fishing will be prohibited by all project staff and contractors.
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.

Provided in Taltson Hydro- Construction of Replacement Facilities and Overhaul- Construction, Wildlife Management and Reclamation Plan

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.

Please refer to Cover Letter, Taltson Hydroelectric Facility Construction of Replacement Facilities and Overhaul Engagement Log and attachments.

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:	\$

21. SIGNATURE

Patrick Smith	Environmental Licensing Analyst
Applicant’s Name (print) or Company Name	Position (print)

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Signature	Date
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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).