

Mackenzie Valley Land and Water Board



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 if necessary. Please review the following guidance for formatting your Application Package:

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



Received: May 5, 2020

File #: MV2020X0004

Copied to: SA / Registry

| | |
|--|---|
| If applicable, reference 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: <input type="checkbox"/> |
| | Water Licence – in a federal area: <input type="checkbox"/> |

1. NAME AND CONTACT INFORMATION – APPLICANT

| | | | |
|-------------------|---|------------|--|
| Applicant's Name: | Matthew Miller | | |
| Position: | Senior Environmental Licensing Specialist | | |
| Mailing Address: | 4 Capital Drive | | |
| Community: | Hay River | Telephone: | 874-5314 |
| Prov/Terr: | NT | Email: | mmiller@ntpc.com |
| Postal Code: | X0E 1G2 | Other: | MatthewMiller@ntpc.com |

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

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

| | | | |
|-------------------|---|------------|---------------|
| Name: | Northwest Territories Power Corporation | | |
| Mailing Address: | 4 Capital Drive | | |
| Community: | Hay River | | |
| Prov/Terr: | NT | Telephone: | 867-874-5200 |
| Postal Code: | X0E 1G2 | Email: | info@ntpc.com |
| Field Supervisor: | See engagement plan | Other: | |

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

Please include relevant names, responsibilities, and contact information. An additional table should be added for each contractor and subcontractor.

| | | | |
|------------------|---|------------|--|
| Name: | Contractors not yet determined, contacts to be provided | | |
| Company Name: | | | |
| Mailing Address: | | | |
| Community: | | Telephone: | |
| Prov/Terr: | | Email: | |
| Postal Code: | | Other: | |

4. LOCATION OF ACTIVITIES

Maps and Geographic Information System (GIS) Data: Attach a map to your Application Package indicating the locations of proposed activities, including waste deposits, watercourses, and water sources. Provide latitude and longitude geographic coordinates of project features, and the maximum and minimum project boundary in degrees, minutes, seconds, or decimal degrees. Attach GIS data to your Application Package, if applicable. Refer to the MVLWB [Guideline for Geographic Information Systems \(GIS\) Submission Standard](#) 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:

| |
|------|
| 075D |
|------|

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: | |
|------------------------|---|---------------------------------------|---|---------------|--|-----------------|--|

5. ELIGIBILITY

Please 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): | |
|-----------|---|------------|---|-------------|--|--------|--|

6. RIGHTS AND/OR CONTRACTS TO SUPPORT ELIGIBILITY

Please contact federal, territorial, and Aboriginal 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 your activities; include these to your Application Package (e.g. rights, permits, licences, etc.).

Refer to Cover letter and Lands Overview letter in package which provide information on existing Type A Water Licence MV2011L4-0002, Type B Water Licence MV2019L8-0008, Type A Land Use Permit MV2019F0015 and all lands information including titled land.

7. PERMIT TYPE AND CRITERIA

Please 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

Please include your project description in your Application Package, or for small-scale projects, describe your proposed activities in the grey field provided below. Include the elements identified in subsection 19(3) of the [Mackenzie Valley Land Use Regulations](#), 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

Project description is provided in application package in Cover Letter, Taltson Hydro- Construction of Replacement Facilities and Overhaul- Construction, Wildlife Management and Reclamation Plan and Taltson Hydro Facility Aggregate and Borrow Locations- Quarry Operations and Reclamation Plan

number of hectares to be used in each phase of the project, as well as through the life of the project.

9. CAMP

Please describe the proposed camp size and layout. Indicate the number of person-days; explain, with

Description of staff lodging facilities is provided in application package in Taltson Hydro- Construction of Replacement Facilities and Overhaul- Construction, Wildlife Management and Reclamation Plan.

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.

rationale, any variations in the number of people that may be on site over the life of the project.

10. ROADS AND ACCESSES

Please include 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 under this permit will be provided by existing site roads.

11. WASTE MANAGEMENT METHODS

Please use the grey fields below to provide or reference the following information:

Waste Management Plan: Include your 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: | Provided in attached Taltson Hydroelectric Facility and Winter Road- Waste Management Plan - August 2019. |
| Sewage (Sanitary and greywater): | Provided in Taltson Hydro- Construction of Replacement Facilities and Overhaul-Construction, Wildlife Management and Reclamation Plan. |
| Brush and trees: | Provided in Taltson Hydro- Construction of Replacement Facilities and Overhaul-Construction, Wildlife Management and Reclamation Plan and Taltson Hydro Facility Aggregate and Borrow Locations- Quarry Operations and Reclamation Plan. |
| Overburden (Organic soils, waste material, etc.): | Provided in Taltson Hydro- Construction of Replacement Facilities and Overhaul-Construction, Wildlife Management and Reclamation Plan and Taltson Hydro Facility Aggregate and Borrow Locations- Quarry Operations and Reclamation Plan. |

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.

Provided in attached Taltson Hydroelectric Facility and Winter Road- Waste Management Plan - August 2019.

12. EQUIPMENT

Please identify the types of equipment proposed to be used.

Provided in Taltson Hydro- Construction of Replacement Facilities and Overhaul- Construction, Wildlife Management and Reclamation Plan and Taltson Hydro Facility Aggregate and Borrow Locations- Quarry Operations and Reclamation Plan.

| Number | Type/Description | Size (weight in tonnes) | Proposed use |
|--------|------------------|-------------------------|--------------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

13. FUEL

Please identify all fuel types proposed to be used.

Provided in Taltson Hydro- Construction of Replacement Facilities and Overhaul- Construction, Wildlife Management and Reclamation Plan and Taltson Hydroelectric Facility and Winter Road- Spill Contingency Plan- August 2019.

| Type of Fuel | Number of containers | Capacity of containers (e.g., litres, pounds) | Type of container (barrel, tank, tidy-tank) | Proposed storage or staging location(s) |
|-------------------|----------------------|---|---|---|
| Diesel: | | | | |
| Gasoline: | | | | |
| Aviation Fuel: | | | | |
| Propane: | | | | |
| Other: (describe) | | | | |

14. METHODS OF FUEL TRANSFER

Please describe the proposed methods to transfer fuel.

Outlined in Taltson Hydro- Construction of Replacement Facilities and Overhaul- Construction, Wildlife Management and Reclamation Plan and Taltson Hydroelectric Facility and Winter Road- Spill Contingency Plan- August 2019.

15. SPILL CONTINGENCY PLAN

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

Included as Taltson Hydroelectric Facility and Winter Road- Spill Contingency Plan- August 2019.

16. PROPOSED TIME SCHEDULE

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. Refer to subsections 26(5) and (6) of the [Mackenzie Valley Land Use Regulations](#); indicate the term requested.

| | | | |
|---|--------------|------------------|--------------|
| Start Date: | June 8, 2020 | Completion Date: | June 8, 2025 |
| Detailed project schedule provided in Taltson Hydro- Construction of Replacement Facilities and Overhaul- Construction, Wildlife Management and Reclamation Plan. | | | |
| Term of Permit Requested: | 5 years | | |

17. POTENTIAL ENVIRONMENTAL IMPACTS OF THE PROJECT AND PROPOSED MITIGATIONS

Please use the grey field below to provide or reference the following information:

Preliminary Screening: Describe all potential impacts and proposed mitigations. This information is used for the preliminary screening of potential impacts from the project and/or to develop conditions for the land use permit. 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, provide supporting rationale.

NTPC feels this project is exempt from preliminary screening as the construction is replacing existing facilities on privately owned lands except for a few storage facilities.

All potential impacts and proposed mitigations have been provided in Taltson Hydro- Construction of Replacement Facilities and Overhaul- Construction, Wildlife Management and Reclamation Plan.

Wildlife Management and Monitoring Plan: Applicants are encouraged to contact the Wildlife Division of the Government of the Northwest Territories – Environment and Natural Resources, prior to applying, to determine whether a Wildlife Management and Monitoring Plan may be needed.

18. CLOSURE AND RECLAMATION

Please use the grey field below to provide or reference the following information:

Closure and Reclamation Plan: Describe your plans for closure and reclamation, including any temporary closure(s) and seasonal shutdowns. Include your Closure and Reclamation Plan in your Application Package, if applicable, or for small-scale projects, describe the proposed activities in the grey field provided below. 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 the Board, 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 your

Application is submitted concurrently with a Water Licence Application, please ensure water- and land-related activities and liabilities are provided.

Provided in Taltson Hydro- Construction of Replacement Facilities and Overhaul- Construction, Wildlife Management and Reclamation Plan and Taltson Hydro Facility Aggregate and Borrow Locations- Quarry Operations and Reclamation Plan.

19. ADDITIONAL SUPPORTING INFORMATION

Please 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 Planning: Please contact the applicable Land Use Planning Board or Tłı̨chų Government to discuss conformity with the relevant land use plan(s). Attach your 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): Provision of TEK/TK is mandatory for applications to the Sahtu Land and Water Board. Other applicants are strongly encouraged to include TEK/TK.

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

Full Application Package includes:

Cover Letter for Construction of Replacement Support Facilities- MVLWB Land Use Permit Application

1. Taltson Hydro- Construction of Replacement Support Facilities- MVLWB Land Use Permit Application form
2. Taltson Hydro- Lands Overview and Quarry Permit
3. Taltson Hydro- Existing and Proposed Facility Figures and GIS Data
4. Taltson Hydro- Construction of Replacement Support Facilities- Engagement Plan
5. Taltson Hydro- Construction of Replacement Support Facilities- Engagement Log
6. Taltson Hydro- Construction of Replacement Facilities and Overhaul- Construction, Wildlife Management and Reclamation Plan
7. Taltson Hydro Facility Aggregate and Borrow Locations- Quarry Operations and Reclamation Plan
8. Taltson Hydroelectric Facility and Winter Road- Spill Contingency Plan
9. Taltson Hydroelectric Facility and Winter Road- Waste Management Plan

20. FEES


Please refer to section 20 of the [Mackenzie Valley Land Use Regulations](#).

| Type of Fee | Amount (\$) |
|---|-------------|
| Application fee: | |
| Land-use fees (for federal areas only): | |
| Total Fees: | 0 |

NTPC is exempt as a GNWT owned Crown Corp.

21. SIGNATURE

| | |
|--|---|
| Matthew Miller | Senior Environmental Licensing Specialist |
| Applicant's Name (print) or Company Name | Position (print) |

| | |
|---|-------------|
|  | May 4, 2020 |
| Signature | Date |

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).