

May 2020

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Land-Use Permit Application for the Construction of Taltson Hydro Replacement Support Facilities

Hello Shannon,

The Northwest Territories Power Corporation (NTPC) owns and operates the Taltson Hydroelectric Facility (Taltson Hydro), located 56 km northeast of Fort Smith, Northwest Territories within the Taltson River watershed. Taltson Hydro was built in 1965 and supplies power to the South Slave communities of Enterprise, Fort Resolution, Fort Smith, Hay River and K'atlodeeche First Nation. Taltson Hydro operates under the Mackenzie Valley Land and Water Board (MVLWB) Type A Water Licence MV2011L4-0002 and the Taltson Winter Road is regulated under Type B Water Licence MV2019L8-0008 and Type A Land Use Permit MV2019F0015.

A refurbishment of key infrastructure at the facility is planned to begin in 2020 to ensure the continued reliability of power generation for the South Slave Region. This includes refurbishment of the generating station, replacement of the facilities for staff lodging, replacement of the maintenance garage, replacement of the substation, construction additional storage areas and operation of exiting quarries on site.

A Land Use Permit is required to support the construction of replacement facilities. The Land Use Permit is for construction of replacement infrastructure for an existing facility on privately owned lands so this permit will apply to construction activities only, such as regulation of heavy equipment use, quarrying activities and minor clearing of trees and brush. The maximum daily water use for the facility during the project is 10,020 L/day or 10.02m³/day which is well under the 50m³/day threshold for requiring a water licence.

NTPC feels this project is exempt from preliminary screening as:

- All borrow locations are existing historical borrow locations that have already been cleared of vegetation and been in use at some point throughout the operation of the facility.
- The replacement camp, garage and other support facilities around the main dam

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and generation station are replacing existing facilities on privately owned lands.

- Any other proposed works will occur on or adjacent to the site roads and historically used areas on lands that fall within the Land Withdrawal Order R-067-2014.

NTPC has prepared the following Land Use Permit application for the project.

This application package is comprised of:

1. Land-Use Permit Application Form- Taltson 2020- Construction of Replacement Support Facilities
2. Taltson Hydro- Lands Information 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

Please note that the construction of replacement facilities and overhaul is required to maintain the existing facility only and has no connection to the Government of the Northwest Territories' proposed Taltson expansion. For more information on that project please contact Eileen Marlowe, Indigenous Relations Advisor Development: Eileen.Marlowe@gov.nt.ca.

The full application package has been uploaded as an FTP submission on the Online Review System for the MVLWB. If you have any questions regarding this application or if there is any further information we can provide please contact me at mmiller@ntpc.com and my temporary email address MatthewMiller@ntpc.com.

Sincerely,

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Matthew Miller, M.Sc., P.Eng.
Senior Environmental Licensing Specialist
Northwest Territories Power Corporation