

January 2024

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Type A Land Use Permit Renewal Application for Bluefish Hydroelectric Facility

Hello Tyree,

The Northwest Territories Power Corporation (NTPC) owns and operates the Bluefish Hydroelectric Facility (the Facility). The Facility, which is located 39 km north of Yellowknife at the north end of Prosperous Lake on the Yellowknife River, contributes power to the North Slave electrical system. The facility operates under the Mackenzie Valley Land and Water Board (MVLWB) water licence MV2020L4-0005, which regulates the storage and diversion of water for hydroelectric power generation and associated uses. The facility and associated winter road are regulated under MVLWB Land Use Permit (LUP) MV2017X-0005.

LUP MV2017X-0005 was issued on April 6, 2017 and expires on April 5, 2024. As such, NTPC is seeking a renewal for this LUP to allow for continued operation and maintenance of the Bluefish Hydroelectric Facility and annual construction and maintenance of the Bluefish Winter Road.

NTPC feels this project is exempt from preliminary screening as it is the renewal of an existing Type A LUP for an existing facility of which operational parameters are not changing. NTPC feels the Bluefish LUP renewal is exempt from the Preliminary Screening process under Section 2 of Part 1 of the Preliminary Screening Exemptions regulations that states: "A development, or a part thereof, for which renewal of a permit, licence or authorization is requested that(a) has not been modified; and (b) has fulfilled the requirements of the environmental assessment process established by the Mackenzie Valley Resource Management Act, the Canadian Environmental Assessment Act or the Environmental Assessment Review Process Guidelines Order".

The proposed scope of the activities under the renewed LUP are outlined in detail in the application and include:

- Construction, operation and maintenance of the Bluefish winter road from the Bluefish Hydroelectric Facility, across Prosperous Lake to Highway #4
- Use and storage of fuel on site; both permanent and temporary
- Vegetation clearing
- Use of a camp facility for staff accommodation
- Routine Maintenance and Refurbishment:
 - Repairs to the Construction Camp
 - Refurbishment of the helicopter landing pad.

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- System Upgrades and Improvements:
 - Camp wastewater system replacement
 - Fire protection upgrades for G1 and G2
 - Improvements to the G2 powerhouse envelope.

The Bluefish Type A LUP renewal application package is comprised of:

1. Land-Use Permit Application Form- Bluefish Hydro Facility
2. Bluefish Hydro Facility- LUP Figures and GIS data
3. Bluefish Hydro Facility- Engagement Plan
4. Bluefish Hydro Facility- Engagement Log
5. Bluefish Hydro Facility-Interim Closure and Reclamation Plan
6. Bluefish Hydro Facility- Waste Management Plan
7. Bluefish Hydro Facility- Spill Contingency Plan
8. Bluefish Hydro Facility- Vegetation and Wildlife Management and Monitoring Plan
9. Bluefish Hydro Facility- Lands and Lease Information

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 psmith@ntpc.com. We very much appreciate the support and collaboration of the MVLWB throughout the process to date to look forward to working with the MVLWB team during the next steps in the LUP application process.

Sincerely,



Patrick Smith
Environmental Licensing Analyst
Northwest Territories Power Corporation