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Nunavut Water Board
PO Box 110
Gjoa Haven, NU, X0B 1J0

Dear Nunavut Water Board:

On behalf of the Municipality of Pond Inlet, in coordination with the Municipal Works Division of the Department of Transportation and Infrastructure Nunavut (GN-TIN), we are formally submitting this cover letter to accompany the application to renew and amend Water Licence 3BM-PON2025. This submission details the new municipal infrastructure upgrades being implemented for the community and outlines the requested licensing modifications.

Please note that we are applying for a two (2) year licence renewal. We are requesting no changes to existing water withdrawal limits under this application. This application and its associated amendments relate strictly to new infrastructure upgrades required to support the long-term water supply and treatment capacity for the Hamlet of Pond Inlet.

This application is prompted by a vital municipal infrastructure upgrade: the replacement of Pond Inlet's water supply system with a modern, centralized Water Treatment Plant (WTP). Raw water in Pond Inlet historically experiences elevated levels of Manganese, Iron, and Total Organic Carbon (TOC) that exceed the Health Canada Guidelines for Canadian Drinking Water Quality (GCDWQ). The existing truck-fill facility relies solely on basic chlorination, which is insufficient to address these parameters or provide adequate contact time.

To support community growth over a 20-year design horizon, the new centralized water facility and site infrastructure will incorporate the following physical works:

1. Centralized Multi-Barrier Water Treatment Plant: Construction of a new treatment building housing a standardized treatment train consisting of pre-screening, pH adjustment, Coagulation/Flocculation with Dissolved Air Flotation (DAF), Greensand Filtration (specifically for Iron and Manganese removal), Ultrafiltration (UF) membranes, Primary Ultraviolet (UV) Disinfection, and Secondary Chlorination.

2. Raw Water Intake & Transmission: Installation of new dual raw water intake pipes complete with low-profile fish screens (meeting DFO standards), an automated air-burst cleaning system, and submersible pumps within Salmon Creek / Water Lake Reservoir.
3. On-Site Storage Tanks: Construction of a new glass-lined bolted steel treated water storage tank and a process waste storage tank.
4. Reservoir Expansion (Berm Improvements): Regrading, raising, and insulating the northern and western earthen berms of the existing raw water reservoir to expand its storage capacity. This maintains a stable frozen-core dam system to support winter under-ice water availability.
5. No Changes to Other Facilities: No physical or operational changes are proposed for the licensed sewage lagoon, solid waste disposal facility, or landfarm under this application.

A hydrological study supports the water source availability and intake operations. Minor civil works are anticipated to begin in late summer / early fall 2026 before pausing for the winter. On-site construction and mechanical/electrical installation will continue through 2027 and 2028, with final commissioning expected in Fall 2028.

All construction materials, equipment, and hazardous wastes will be transported via seasonal sealift. Operations phase personnel are enumerated within the project application, while a temporary construction camp application will be submitted separately by the general contractor.

Sincerely,



Kayla Clouter
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