

Municipality of Grise Fiord Water Licence 3BM-GRI2025 Water Licence Renewal and Amendment Application

EXECUTIVE SUMMARY

The Municipality of Grise Fiord is submitting to the Nunavut Water Board (NWB) a Water Licence Renewal and Amendment Application for Water Licence No. 3BM-GRI2025. The Licensee is seeking a twenty-two (22) year term of the Licence which would be valid until 2047.

Currently the Municipality of Grise Fiord obtains water annually during the open water season from July to August. A catch basin 180 metres north of the water treatment plant is used to collect snow and ice melt and pumped water from Airport River. The water is then pumped through an overland hose into the water treatment plant for treatment and year-round storage in water storage tanks. Water is conveyed to the water treatment plant through an overland pipe.

Between July 2026 and September 2028, the Municipality intends to construct a new water treatment plant and intake infrastructure to pump and convey water from Airport River through an overland pipe to the new water treatment plant. The new water treatment plant will increase the year-round water storage capacity to 13,200 cubic metres to meet the needs of the community through to 2043. Therefore, an increase to the annual water withdrawal limit from 8,000 to 13,200 cubic metres is requested. No changes to the daily water use withdrawal limit of 299 cubic metres is required. Once the new plant is commissioned, the existing water treatment plant, catch basin, and conveyance hose will be decommissioned.

The solid waste disposal facility consists of a fenced disposal area for municipal solid waste (MSW), a separate bulk metal disposal area, and a separate hazardous materials area. The Municipality intends to perform upgrades to the existing solid waste facility, which are not apart of this application. Details will be submitted to the NWB as a future modification request.

Sewage is disposed of and treated in a single cell storage lagoon with a one-year capacity. During the open water season, the sewage is discharged by pump into a natural tundra vegetated filter strip wetland area with an effluent path of 250 metres for additional treatment prior to release into the environment at Jones Sound.

There are no changes to the infrastructure or operations of the Sewage Disposal Facility.

The Municipality of Grise Fiord is also requesting amendments to various items of the existing water licence outlined in the document with the submission titled *Water Licence 3BM-GRI2025 Renewal and Amendment Application: Amendment Justification Summary*.