

Hamlet of Qikiqtarjuaq: Water Licence Application

EXECUTIVE SUMMARY

Enclosed is a water licence application for the Hamlet of Qikiqtarjuaq, Nunavut. The Hamlet is seeking a five-year renewal of its current licence, valid through 2011, to obtain water for municipal use from a glacial melt-water stream. The projected population for the population of Qikiqtarjuaq in the year 2011 is 677 persons. The Hamlet requests an annual water use of 30,000m² *per annum*.

The water source for the Hamlet is a glacial melt-water stream, known locally as the Tulugak River. Each summer the glacial runoff water is drained by gravity feed into a lined reservoir. Water is treated with hypo-chlorination equipment and is trucked to the Community.

Currently, the Hamlet of Qikiqtarjuaq operates a single wastewater lagoon with effluent discharge to a naturally occurring wetland, which eventually discharges to the Davis Strait. The wastewater from the Hamlet is collected by truck and deposited into the lagoon, which is located approximately 2 km from the community. There have been no complaints regarding odors.

The solid waste site is 31,000 m² and is located 4.0 km east of the Hamlet. The un-bermed disposal area is 31,000 m², with a maximum depth of approximately 5 m. The Facility is surrounded by a 2 m chain-link fence, which is currently in an acceptable state of repair and effectively containing airborne litter. Waste is burned regularly, as prevailing winds permit, and covered annually. A separate bulky waste site occupies an area adjacent to the solid waste site.

As a component of this license renewal, the Hamlet of Qikiqtarjuaq seeks to expand, and upgrade, its water storage infrastructure, wastewater treatment infrastructure and solid waste disposal site to meet the 20 year requirements of the Hamlet

Overall, this project will not substantially affect the quality, quantity, or flow of water through Inuit Owned Lands.