

Sanikiluaq Water License Application

prepared for:

**The Hamlet of Sanikiluaq
Nunavut, Canada**

prepared by:

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EXECUTIVE SUMMARY

Enclosed is a water licence application for the Hamlet of Sanikiluaq, Nunavut. The Hamlet is seeking a five-year licence, valid through 2008, to obtain water for municipal use from Sanikiluaq Lake. The projected population of Sanikiluaq for the year 2008 is 803 persons. The Hamlet requests an annual water use rate of 31,500,000 litres

Sanikiluaq Lake, which is replenished by snow melt and rain, has a surface area of 139 ha, a depth of approximately five meters and a volume estimated at 4.3 million m³. Water is treated with chlorine and meets the *Guidelines for Canadian Drinking Water Quality* according to the 2002 INAC inspection report.

Sewage is collected by the Hamlet and trucked to Annak Lake, 2.9 km west of the community. The lake has a two-hectare surface area and a mean depth of 1.9 m. The active area of the lake is 21,600 m². Discharge of sewage from collection trucks along the side of the road has resulted in accumulated waste outside of the treatment area. This needs to be discontinued. Effluent samples from the sewage lagoon meet recommended guidelines according to the 2002 INAC Inspection Report.

The solid waste management site is located next to the lagoon, 2.9 kilometres west of the Hamlet. The waste site has a capacity of 360,000 m², with a separate bulky waste site of 250,000m². Fencing is inadequate around the site and garbage is being dumped outside of the fenced area. Testing of effluent from a creek behind the solid waste site indicates no major problems with water quality.

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

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