

## **Technical Summary of the Environmental projects of the Municipality of Qikiqtarjuaq**

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The Municipality of Qikiqtarjuaq is located on the eastern cost of Baffin Island at 67°33'N latitude and 64°02'W longitude under Qikiqtani Region. The water License # 3BM-QIK 0712 covers water supply system, sewage lagoon, waste management site and a Land farm.

**Water Supply System:** The main potable water source of this community is Tulugak River which is a natural stream flows only during summer. Water is conveyed by a gravity fill pipe to the water storage reservoir only during summer for annual consumption. The existing water license # 3BM-QIK 0712 has an annual permit of water use for 37,500 cubic meters. Whereas the annual report of 2011 recorded the annual water consumption was only 17,762 cubic meters. Water is disinfected by chlorine before delivering to the community. One raw water and four tap water samples from the four different buildings are tested for microbiological parameters in the GN department of Health lab in Iqaluit once in a month. The test results did not show any E-coli presence.

A geotechnical inspection will be carried out to the Water Reservoir berms this summer.

**Sewage Lagoon:** The community has a new sewage lagoon with a gravity decanting system. This facility has two cells and can function independently with a total capacity of 38,850 cubic meters. The wetland plays an important role to finally treat the effluent before reaching to the sea.

**Solid waste site:** The Solid waste site is located next to the Sewage Lagoon and built at the same time in 2008. This was designed for 20yrs population growth of the community. This is an engineered facility with an adequate fencing.

**Land farm:** This facility is in construction stage and will be completed this summer to commission. The as built drawings and O&M manuals will be available once construction is completed this summer.