

Executive Summary of the Municipality of Qikiqtarjuaq; Water Licence #3BM-QIK1419; Type –B:

The Municipality of Qikiqtarjuaq is a small Community of Baffin Region located at Latitude 67°33'N and Longitude 64°02'W, on the Eastern coast of Baffin Island which is known as Boughton Island. This Community is located within the continuous permafrost zone with a maximal depth of annual thaw of the active layer up to 1.60m depending on the nature of the surface cover. The annual snowfall is about 223mm and the annual rainfall is about 39mm. January mean high and low temperatures are -21°C and -28°C respectively, and July mean high and low temperatures are 10°C and 7°C respectively.

The Community infrastructure includes: (1) a water supply facility which draws water from Tulugak River. Water is transferred by gravity from the intake location to the Water storage Reservoir, and treated in the Truck fill station and delivered by water trucks into holding tanks in each building.

(2) The Community has two cells sewage lagoons which receive trucked sewage (wastewater) from the holding tanks in each building. The sewage is being naturally treated there before disposal to the wetland land for the receiving body.

(3) The Solid waste facility which includes domestic wastes, construction wastes, metal wastes and hazardous goods.

(4) A land farm is also part of the current Water Licence. This facility is still incomplete and not ready to use.

The current water licence # 3BM-QIK1419, Type-B was issued on Aug. 07, 2014 and will be expired on Aug.06, 2019.

Nothing was changed since the Water Licence was issued. The municipality has population 583 in 2019 and has been operating these licensed facilities to their best ability. They have water permit 37,500 cubic meters annually.

The water Truck fill station is under the Capital program and expected to be replaced in next 5yrs. currently a consultant has been engaged to conduct research on raw water quality in winter and summer.

The municipality has been conducting sampling of raw water, treated water, wastewater effluent and leachate on annual basis. Their annual reporting program is up to date.