

2002 Annual Report
for the Municipality of Qikiqtarjuaq

1. The following information is compiled pursuant to the requirements of Part B, Item 1, of Water Licence **NWBB3QIK0106**, issued to the Municipality of Qikiqtarjuaq (Broughton Island).

b), c), The monthly and annual quantity, in cubic metres, of water pumped from the Tulugak River or reservoir and the monthly and annual quantity of waste discharged to the sewage disposal facilities (including quantity of bagged sewage).

> Also fulfils SNP (Part B, Item 1 a, Item 2, & Schedule I C 1 & 2)

Month being reported	Water pumped from Tulugak River or reservoir (in m ³)	Sewage disposed of at the sewage disposal facility (approximate amt as sewage not metered)	Amount of bagged sewage disposed of at the sewage disposal facility (# of bags)
January	1,422	1,422	3
February	1,384	1,384	2
March	1,467	1,467	4
April	1,468	1,468	4
May	1,491	1,491	3
June	1,419	1,419	1
July	1,509	1,509	1
August	1,485	1,485	2
September	1,740	1,740	3
October	1,789	1,789	2
November	1,839	1,839	2
December	1,781	1,781	2
Annual Total	18,794	18,794	29

Note: 1 m³ equals 1000 litres

d) No Sewage Solids removed from the lagoon

e) A detailed record of major maintenance work carried out on the water supply and waste disposal facilities:

- Continued Electrical Repairs on both Generators (alternator caught on fire and back feed through the panels)

- Used divers to clean sediment off bottom of water reservoir liner and conducted a visual inspection of liner condition (liner is littered with thousands of holes and will require replacement)

f) Unauthorised discharges:

None

g) A description of any abandonment and restoration work carried out at areas where water supply or waste disposal facilities have been abandoned.

None

h) Any summary on any water use or waste disposal studies requested by the Board.

No requests made

i) Updates or revisions to Operation and Maintenance Plans:

None

j) Any other details requested by the Board by November 1st:

No requests made

Additional Information:

- persistent pH problems with water supply – have been unsuccessful in balancing pH to aesthetic objective as outlined in the *Guidelines for Canadian Drinking Water Quality*.
- Levels of faecal coliform and biological oxygen demand breach the effluent quality standards and concentrations of ammonia and phenols exceed the *Canadian Water Quality Guidelines for the Protection of Freshwater Aquatic Life*. Toxicity Indicator (IC₅₀) 5.3% for sewage disposal – have been unsuccessful in correcting this problem, an engineer may be required.
- Interest in fluoridation for water supply.
- O&M Plan is pending funding approval from CG&T

cc Constantine Bodykevich, WRO, INAC fax to 867 979 6445 / 975 4560
 Sameh Elsayed, Municipal Engineer CG&T - Baffin Region fax to 867 897
 3633