

Executive Summary of the Resolute Bay Utilidor System:

Type A Water Licence Renewal application

July 05, 2020

Resolute Bay is a small Community of Baffin Region located at 74°43'01" N and 94°58'10" W. This Town has two divisions: The Main Town area and The Airport Area. The water supply to the main town area is provided by the Utilidor system and the Airport facilities by Trucks. During summer, due to Military presence, the population is raised to almost 800.

The Char Lake is the main potable water source. The Water Treatment Plant is located at Signal Hill. Currently there is no wastewater treatment Plant there. The Utilidor water supply is a pressure system whereas sewage system is under gravity.

The main components of the Utilidor system are: A pump station at the Char Lake, A water treatment plant at the Signal Hill, the main utilidor system at the town and a Macerator unit prior to the sewage disposal to the Sea.

The buried water and sewer pipes of the main utilidor system were replaced in 2015 and 2016. The Water Treatment plant is under rehabilitation process. Also, a new pump station at the Char lake is under construction at present. The Planning and design of the new Wastewater Treatment plant is in process.

The Current annual water permit is 126,020 cubic metre. The future permit is requested for 150,000 cubic metres annually. The daily extraction volume of water from the Char lake is exceeding 300 cubic per day. Therefore, the current water Licence is recommended to be renewed as TYPE A.

Community Government Services of the Government of Nunavut is the Licensee and operating the utilidor System using the services of the local contractor ATCO. In next 3 to 5 years, all the components of the Utilidor system will up graded in order to provide a better water quality to the Residents of Resolute Bay.

The Current Water licence #3BM-RUT 1520, Type B was issued on March 30,2015 and expired on March 29,2020. The new Water licence has been recommended as Type A for 10 yrs. Term.

