

**ANNUAL REPORT
FOR THE HAMLET OF RESOLUTE BAY, (UTILIDOR SYSTEM) 2012**

YEAR BEING REPORTED: 2012

The following information is compiled pursuant to the requirements of **Part B, Item 1** of Water License # 3BM-RUT 1012 (Utilidor System) issued to the Hamlet of Resolute Bay.

- i) - iii) tabular summaries of all data generated under the “Monitoring Program”; monthly and annual quantities in cubic metres of freshwater obtained from all sources; monthly and annual quantities in cubic metres of each and all wastes discharged;

Attached are quantities of water used as reported in our On Tap Water Delivery System and the estimated discharge of sewage waste based on quantities used.

Month Reported	Quantity of Water Obtained from all sources (litres): Only from Char Lake	Quantity of Sewage Waste Discharged (Estimated, litres): From the Pipe Only
January 2012	3,245,014.28	813,550.48
February 2012	3,245,014.28	813,550.48
March 2012	3,245,014.28	813,550.48
April 2012	3,245,014.28	813,550.48
May 2012	3,245,014.28	813,550.48
June 2012	3,245,014.28	813,550.48
July 2012	3,245,014.28	813,550.48
August 2012	3,245,014.28	813,550.48
September 2012	3,245,014.28	813,550.48
October 2012	3,245,014.28	813,550.48
November 2012	3,245,014.28	813,550.48
December 2012	3,245,014.28	813,550.48
ANNUAL TOTAL	38,940,171.36	9,762,605.76

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Note: Char Lake is the only drinking water source from where water is being extracted by Pumping system and treated in the Signal Hill Water Treatment Plant prior to distribution to the Community by Utilidor system and Trucking to the Airport facilities and other Government buildings. The monthly water recorded delivered by Utilidor system is 813,550.48 litres in average. The discharge quantity is considered equal each month to the consumption volume because there no meter at the end of the discharge pipe. The total water extracted from the Char Lake in 2012 was considered 38,940,171.36L, which is the total consumption volume of the Community and Airport facilities.

- iv. a summary of modifications and/or major maintenance work carried out on the Water Supply and Waste Disposal Facilities, including all associated structures and facilities;

Some rehabilitation works were carried out in the pump house, water treatment plant, water storage tanks and Utilidor system. This facility is licensed to CGS and being maintained by a CGS contractor ATCO on daily basis.

- v. a list of unauthorized discharges and summary of follow-up action taken;

Effluent is diluted to a certain extent. At present sewage from the Utilidor system is macerated and discharged to the ocean essentially untreated.
Spill #2012106, dated 4/2/2012, Pipeline-Wastewater 100L
Spill #2012103, dated 4/1/2012. Tank Farm- P-50diesel 10L.

- vi. a summary of any abandonment and restoration work completed during the year and an outline of any work anticipated for the next year;

An Engineering consulting firm, exp. Services Inc., has been hired for detailed design for the replacement of the existing Utilidor system. The design works have been started from this fiscal year 2012-13. The Poor and aged pipe lines will be replaced.

- vii. a summary of any studies requested by the Board that relate to waste disposal, water use or reclamation, and a brief description of any future studies planned;

The design of the waste management of this Community has been almost completed. Design is required Water Board approval in prior to proceed construction. The solid Waste management site will be licensed to the Hamlet once built and commissioned. The Hamlet of Resolute Bay is being served entirely by the Utilidor system with the exception of RCMP building, Airport site and the polar shelf project along with other scattered govt. buildings will remain on the trucked system.
The Consultant is working on the optimization of the entire system for better services.

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- viii. any other details on water use or waste disposal requested by the Board by November 1st of the year being reported; and

Once Utilidor system is optimized, the sewage lagoon will be decommissioned. All raw sewage of the Community will be treated in the new Wastewater Treatment Plant once built and commissioned.

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- ix. updates or revisions to the approved Operation and Maintenance Plans.

O&M manual will be prepared once the entire utilidor system is upgraded. O&M for Solid waste site will also be ready once it is built and commissioned.

ADDITIONAL INFORMATION THAT THE LICENSEE DEEMS USEFUL:

CGS is working with the Hamlet to resolve issues and concerns of all the Environmental facilities including all types of waste management of the Community. CGS is also working forward dealing with AANDC inspection report 2012 and Water License compliancy with NWB.

FOLLOW-UP REGARDING INSPECTION/COMPLIANCE CONCERNS:

A consulting Engineering firm named exp. Services Inc. is engaged to assist CGS to address NWB concerns and Water License compliancy. Extended sampling and testing Program for water, wastewater and Leachate coming out from the landfill site are being managed by CGS contractor ATCO.

The Test Results for 2012.



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