

**ANNUAL REPORT
FOR THE HAMLET OF CLYDE RIVER, 2012**

YEAR BEING REPORTED: 2012

The following information is compiled pursuant to the requirements of **Part B, Item 1** of Water Licence # 3BM-CLY0308 issued to the Hamlet of Clyde River.

- 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)	Quantity of Sewage Waste Discharged (Estimated)
January 2012	2,920,644.30	Same
February 2012	2,818,901.90	Same
March 2012	3,029,744.10	Same
April 2012	2,853,518.60	Same
May 2012	2,840,719.60	Same
June 2012	2,687,136.10	Same
July 2012	2,593,885.00	Same
August 2012	2,655,093.70	Same
September 2012	2,783,549.60	Same
October 2012	2,916,827.60	Same
November 2012	2,756,472.20	Same
December 2012	2,640,429.10	Same
ANNUAL TOTAL	33,496,921.80	33,496,921.80

Note: The consumption volume is considered equal to the discharge volume for each month because there no meter at the end of the discharge pipe.

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- 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;

The construction of the new Sewage Lagoon was completed and commissioned. Hamlet is using this facility. Solid waste project is on hold.

- v. a list of unauthorized discharges and summary of follow-up action taken;
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- Nil
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- vi. a summary of any abandonment and restoration work completed during the year and an outline of any work anticipated for the next year;

Nil. The existing sewage lagoon was rehabilitated and was also commissioned. The existing landfill site will be abandoned and restored once the new facility is built.

- 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 studies on solid waste was completed recently by an engineering consulting firm named Arktis solutions Inc. New guidelines has been established. The project was initiated but Capital dollar is not sufficient right now to complete the new facility. Currently this project is on hold.

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

Current waste management is the concern of the Nunavut Water Board.

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

O&M manual will be prepared for the future waste management site once built. The O&M manual for the new Sewage Lagoon was delivered to NWB.

ADDITIONAL INFORMATION THAT THE LICENSEE DEEMS USEFUL:

A new Engineered Landfill site will be built and licensed along with the new sewage Lagoon and the existing water supply system. Thermistors were installed in the new Lagoon berms to measure the temperature inside the berm and under the berm. Also ground water monitoring wells were built in the existing land fill site to monitor ground water quality.

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FOLLOW-UP REGARDING INSPECTION/COMPLIANCE CONCERNS:

Hamlet is working with CGS for AANDC inspection concerns and Water License compliancy. Hamlet is also planning for testing ground water from the monitoring wells and also developing a data base and reporting on the temperature movement inside the sewage lagoon berms and under the berms. Good news is that Hamlet has started extended sampling and testing program of Water, Wastewater and Leachate coming from the land fill site.



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