

**ANNUAL REPORT
FOR THE HAMLET OF HALL BEACH-2013**

YEAR BEING REPORTED: 2013

The following information is compiled pursuant to the requirements of **Part B, Item 1** of Water License # NWB 3-HAL 0810 issued to the Hamlet of Hall Beach.

- 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 2013	2,681,802.60	Same
February 2013	2,474,078.90	Same
March 2013	2,698,530.60	Same
April 2013	2,680,571.50	Same
May 2013	2,697,578.50	Same
June 2013	2,542,201.40	Same
July 2013	2,728,653.50	Same
August 2013	2,742,921.80	Same
September 2013	2,629,384.70	Same
October 2013	2,615,416.20	Same
November 2013	2,567,789.10	Same
December 2013	2,666,724.20	Same
ANNUAL TOTAL	31,725,653.00	31,725,653.00

Note: The consumption volume is considered equal to the discharge volume because there is no meter at 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;
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- An Engineering Consulting firm exp Services Inc. has been hired to conduct a feasibility study on the existing Sewage Lagoons. exp will present a report for economic solution either to repair the lagoon cell 1 or build a new cell including rehabilitating lagoon cell 2. CGS will choose an option based on exp's report and design the accepted option. No construction is anticipated in 2014.
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- v. a list of unauthorized discharges and summary of follow-up action taken;
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- The wastewater is being treated by two cells Lagoon system. Both cells are working on natural exfiltration process. The effluent is absorbed in the natural ground prior to discharge to the sea.
Spills: 2013261, dated 7/22/2013, Jet -A-1-fuel, at Nasittuq Corporation, 1L.
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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;
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- The existing land fill site will be abandoned and restored once the new facility is built and commissioned.
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- 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;
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- The studies on solid waste management was completed by an Engineering Consulting Firm named Arktis solutions Inc. New guidelines have been developed. Funds is not available at present to start the new waste management project.
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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
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- Wastes management in the Community is the concern of the Nunavut Water Board. Hamlet is planning for segregation of wastes like batteries etc. in summer 2014. Hamlet is also working forward to install a flow meter to measure the extracted water volume from the Lake.

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

Hamlet has an O&M manual for water supply system. O&M manual for Sewage Lagoon will be modified following the future design by exp Services Inc.
O&M document for waste management will be ready once the new facility is built

- x. **ADDITIONAL INFORMATION THAT THE LICENSEE DEEMS USEFUL:**

Improvement of the Solid waste management and Fencing are in the planning stage. Hamlet has started extended sampling and testing program for water, wastewater and the leachate coming from the landfill site. Plan for compliance was submitted to NWB and AANDC.

- xi. **FOLLOW-UP REGARDING INSPECTION/COMPLIANCE CONCERNS:**

Hamlet is working with CGS for AANDC inspection report. Hamlet is planning to implement CGS's new report card to closely monitor the status of the Environmental facilities and update the Plan for Compliance step by step. With the assistance of CGS, Hamlet is working with NWB to renew the Water Licence.

The Lab Test results of 2013 are attached as follows:



B13-15314_R.pdf



B13-03298_R.pdf



B13-22875_R.pdf



B13-20605_R.PDF