

**ANNUAL REPORT
FOR THE HAMLET OF PANGNIRTUNG- 2013**

YEAR BEING REPORTED: 2013

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

- 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	4,529,277.70	Same
February 2013	4,326,094.40	Same
March 2013	4,484,022.40	Same
April 2013	4,149,567.30	Same
May 2013	4,307,486.50	Same
June 2013	4,185,865.40	Same
July 2013	4,217,741.00	Same
August 2013	4,191,339.00	Same
September 2013	4,093,913.10	Same
October 2013	4,377,065.90	Same
November 2013	4,285,295.00	Same
December 2013	4,383,181.79	Same
ANNUAL TOTAL	51,530,849.49	51,530,849.49

Note: The monthly water consumption volume is considered equal to the discharge volume because there is 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;
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- The construction for optimization of the WWTP was started in 2013 and is expected to be substantially completed in 2014. The design for water Truck fill station is at the final stage. Once the design is approved by CGS, the project will be ready for construction in summer 2014.
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- v. a list of unauthorized discharges and summary of follow-up action taken;
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- Spills:
1. 2013070, dated 2/22/2013, P50 Tank Farm, P50 Heating oil, 600L
 2. 2013100, dated 3/26/2013, House 105, Home heating Fuel, 38L.
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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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- Once the WWTP is optimized and new waste management facility is built and commissioned, the existing ditch so called natural lagoon and the existing land fill site will be abandoned and restored. All liquid wastes of the Community are expected to be treated by the WWTP only once optimization is completed in 2014.
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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 were completed by Arktis Solutions Inc. A new guideline has been developed and accepted by CGS. The consultant exp Services Inc. has done some researches on alternative waste management processes like gasification, incineration etc. The Project is on hold due to funding. Hamlet is trying for segregation of wastes in summer 2014.
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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 are the major concerns of the Nunavut Water Board.
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- ix. updates or revisions to the approved Operation and Maintenance Plans.
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- O&M manual of the Water Truck fill station will be updated once the new facility is built and commissioned. The O&M manual of the WWTP will be updated accordingly

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once the optimization of the existing facility is completed. Also a new O&M manual for the Waste management will be made available once the new facility is built.

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

A Plan for Compliance was submitted to NWB as the part of water licence renewal application in August 2013. Hamlet has started extended sampling and testing program on water, wastewater and leachate. Hamlet is planning to implement CGS's new report Card in order to closely monitor the environmental facilities.

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

Hamlet is working with CGS for AANDC inspection report and Water Licence Compliancy. CGS is updating the Plan for Compliance based on the current situation. Hamlet is submitting 2013 annual report in time.

The Lab test Results for 2013 are attached:



B13-29619_R.pdf



B13-24836_R.pdf



B13-24837_R.pdf