

**ANNUAL REPORT
FOR THE HAMLET OF PANGNIRTUNG, 2012**

YEAR BEING REPORTED: 2012

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 2012	4,367,212.60	Same
February 2012	4,430,045.90	Same
March 2012	4,732,710.10	Same
April 2012	4,226,844.20	Same
May 2012	4,480,016.50	Same
June 2012	4,267,176.00	Same
July 2012	4,371,988.50	Same
August 2012	4,345,826.90	Same
September 2012	3,986,482.20	Same
October 2012	4,551,534.10	Same
November 2012	4,099,388.80	Same
December 2012	4,344,604.50	Same
ANNUAL TOTAL	52,203,830.30	52,203,830.30

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.

ANNUAL REPORT FOR THE HAMLET OF PANGNIRTUNG, 2012

- 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;

Design for optimization of the WWTP is in progress by exp. Services Inc. Design for the Water Truck Fill station is almost completed by Arktis Solutions Inc. Also design for the waste management process is in advance stage by exp. Services Inc.

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

Nil

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

Once the WWTP will be 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.

- 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 management was completed by Arktis Solutions Inc. A new guidelines has been developed. The Consultant exp. Services Inc. is designing a new facility satisfying the conditions of the new guidelines.

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

Wastes management in the Community are the major concerns of the Nunavut Water Board.

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

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 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 and commissioned.

ANNUAL REPORT FOR THE HAMLET OF PANGNRTUNG, 2012

ADDITIONAL INFORMATION THAT THE LICENSEE DEEMS USEFUL:

Improvement of all the Environmental facilities under water License for compliancy.

FOLLOW-UP REGARDING INSPECTION/COMPLIANCE CONCERNS:

Hamlet is working with CGS for AANDC inspection report and Water License Compliancy. Hamlet has engaged in extended sampling program for water, wastewater and the leachate coming from the landfill site.



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