

**2017 ANNUAL REPORT
FOR THE HAMLET OF PANGNIRTUNG, NUNAVUT**

YEAR BEING REPORTED: 2017

The following information is compiled pursuant to the requirements of **Part B, Item 1** of Water License # 3BM-PAN1417 issued to the Hamlet of Pangnirtung, Nunavut.

- 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	3,856,182.70	Same
February	3,971,145.40	Same
March	4,169,884.70	Same
April	4,087,568.10	Same
May	4,035,406.20	Same
June	3,928,208.70	Same
July	3,885,063.60	Same
August	3,998,000.00	Same
September	2,945,181.80	Same
October	4,127,647.90	Same
November	3,713,588.10	Same
December	3,923,595.40	Same
Annual Total	46,641,472.60	Same

Note: The average consumption volume is considered equal to the discharge volume in each month because there is no meter at the end of the extraction 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;

A new Water Treatment plant was built and commissioned recently. This plant has three types of filters: 20, 5 and 1 microns. After filtration, the filtrated water passes through the spiral pipes to fill the tank built on the truck. 20 minutes contract time is being addressed at the Plant once the tank is filled and ready to deliver to any residents. In this new system, the operator does not need to drive the water truck 20 minutes on the road prior to delivery.

The old plant is still kept there in case of emergency.

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- v. A list of unauthorized discharges and summary of follow-up action taken;
No unauthorised discharge took place during this reporting period.
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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;

No abandonment and restoration work was conducted during this reporting year.
The existing water Treatment Plant will be decommissioned once the new plant functions satisfactorily.

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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;

The existing Type B Water Licence was expired. Application was submitted to NWB for the Type A Water Licence. Public hearing /TC meeting were held over phone. Hamlet has been asked for the hydraulic study of Duval River, Surface water drainage
plan of the waste area and proper fish screen at the end of the water intake pipe.

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

Hazardous wastes segregation is still an issue. Fish wastes and fish liquid are managed nicely.

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

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The O&M manuals for WWTP, new WTP and waste sites were sent to NWB. These will be upgraded/updated as needed.

x. ADDITIONAL INFORMATION THAT THE LICENSEE DEEMS USEFUL:

Water Hamlet has started extended sampling and testing program. They have segregated wastes already. They have been waiting for the Public hearing for the new the type A Licence for the 15 yrs. term on March 21 and 22, 2018.

xi. FOLLOW-UP REGARDING INSPECTION/COMPLIANCE CONCERNS:

yrs. Hamlet is working closely with the Water Licence Compliance Group (WLCG) and receiving direction to move forward in order to renew the Type A water Licence for 15 term.

The Test Lab Results for 2017 are attached in a separate document.