

**ANNUAL REPORT
FOR THE HAMLET OF HALL BEACH, NUNAVUT**

YEAR BEING REPORTED: 2019

The following information is compiled pursuant to the requirements of **Part B, Item 1** of Water License # 3BM-HAL1520 issued to the Hamlet of Hall Beach, 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	2,888,278.40	Same
February	2,620,039.20	Same
March	3,016,227.00	Same
April	2,891,619.58	Same
May	3,035,341.33	Same
June	2,880,654.18	Same
July	3,066,914.40	Same
August	3,027,587.60	Same
September	3,048,522.02	Same
October	3,164,952.80	Same
November	3,026,910.70	Same
December	3,158,904.50	Same
Annual Total	35,825,951.71	

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 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 Cell 1 lagoon has been rehabilitated, but it was reported that cell 1 was still leaking. GN is working with the contractor and consultant to rectify this situation.

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

The cell-2 exfiltrates through the berms to the wetland. The effluent gets further treated in multiple ponds located in the wetland prior to reaching the receiving body about 3km away. This is how this lagoon was designed initially. The rehabilitated cell 1 is still leaking. The entire sewage stored in winter drains out entirely at the end of May.

- 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.

- 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;

Dalhousie University conducted a Secondary Source water availability study in the Community.

The feasibility study of the waste management site is at the final stage now. The design work will be started soon after the study report is accepted by the Hamlet Council.

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

The Source water quality is a concern. A new Water Treatment Plant is at the planning stage to address the existing water quality.

The existing waste management is also a big concern. Hamlet is still segregating wastes in proper manner. Batteries are being stocked in the sea scan for future disposal to the South. Hamlet is using Dew line facilities for shipment.

The new waste management facility is expected in next 3 to 5yrs.

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

The O&M manual of the sewage lagoon cell 1 has been prepared and ready for using to operate this facility. The O&M manuals of new WTP and new wastes site will be available once they are built and commissioned.

x. ADDITIONAL INFORMATION THAT THE LICENSEE DEEMS USEFUL:

Hamlet public works received training on small water supply system. Hamlet staffs are trained for properly sampling and shipping to the Labs. They are closely working with the GN technical staffs in order to keep the Community water licensed facilities into compliancy.

xi. FOLLOW-UP REGARDING INSPECTION/COMPLIANCE CONCERNS:

The Hamlet has currently an active water licence. They are following the GN Technical staffs and CIRNAC inspector's advice on wastes segregation, monitoring of wastewater effluent and leachate quality. They submit annual Report on time.

They are receiving monthly training by the Municipal Engineer on water quality management and maintaining Water Licence into compliancy.

The Test Lab results for 2019 are attached

