

**ANNUAL REPORT, 2020**  
**FOR THE HAMLET OF SANIRAJAK (HALL BEACH), NUNAVUT**

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**YEAR BEING REPORTED: 2020**

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.

<b>Month Reported</b>	<b>Quantity of Water Obtained from all sources (litres)</b>	<b>Quantity of Sewage Waste Discharged (Estimated)</b>
<b>January</b>	<b>3,191,247.00</b>	<b>Same</b>
<b>February</b>	<b>3,120,249.60</b>	<b>Same</b>
<b>March</b>	<b>3,257,695.70</b>	<b>Same</b>
<b>April</b>	<b>3,128,748.00</b>	<b>Same</b>
<b>May</b>	<b>3,209,038.10</b>	<b>Same</b>
<b>June</b>	<b>3,077,326.68</b>	<b>Same</b>
<b>July</b>	<b>3,140,646.30</b>	<b>Same</b>
<b>August</b>	<b>2,985,560.20</b>	<b>Same</b>
<b>September</b>	<b>3,077,195.50</b>	<b>Same</b>
<b>October</b>	<b>3,072,568.10</b>	<b>Same</b>
<b>November</b>	<b>2,923,985.10</b>	<b>Same</b>
<b>December</b>	<b>2,962,738.10</b>	<b>Same</b>
<b>Annual Total</b>	<b>37,146,989.18</b>	<b>37,146,989.18</b>

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;

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The lagoon cell 1 was repaired, tested but failed. The construction summary is attached. It is scheduled to repair again in the summer of 2021.

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- 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 lagoon permits exfiltration.

The cell 1 was reported leakage again.

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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 were conducted during this reporting year and there is no plan in next 2 to 3 yrs.

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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 water control sluice gate is under CGS Capital planning program. The discussion is on among the users of the Water source dyke/access road to get repaired in summer 2021.

The leakage of cell 1 will be inspected in the 2021 summer for necessary rectification. The CGS project team, consultant and contractor are scheduling to repair the leak.

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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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The existing waste site is non-engineered. The segregating of the wastes is a big concern. Hamlet is receiving a support from Dew Line for shipment of the old batteries to the South.

The feasibility study of the new wastes site is completed. The new site will have a separate cell for managing hazardous wastes.

Hamlet will be receiving a new water plant which is one of the nine SWTP program in Nunavut.

Dew line will be continuing sharing drinking water along with the Hamlet from the Water Storage Reservoir.

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

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Hamlet is using the existing O&M manuals to operate the water licensed facilities. These manuals will be updated only when a new facility is built and commissioned.

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

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The Hamlet has a new Water Licence. The Municipal staffs are closely working with the GN technical staffs in order to keep the Community water licensed facilities into compliancy.

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

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

They are planning to replace the monitoring signs and improve the sampling program.

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The Test Lab results for 2020 are attached as follows:

