

**ANNUAL REPORT
FOR THE HAMLET OF CAPE DORSET, 2018**

YEAR BEING REPORTED: 2018

The following information is compiled pursuant to the requirements of Part B, Item 1 of Water Licence # 3BM- CAP0810 issued to the Hamlet of Cape Dorset.

- 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	4,161,704.60	Same
February	3,915,504.10	Same
March	3,840,759.20	Same
April	4,046,820.20	Same
May	4,105,822.60	Same
June	3,626,840.90	Same
July	3,871,230.10	Same
August	3,973,463.90	Same
September	3,670,355.30	Same
October	3,922,326.40	Same
November	3,724,541.20	Same
December	3,680,640.20	Same
ANNUAL TOTAL	46,540,008.70	46,540,008.70

Note: The water consumption volume is considered equal to the discharge volume

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because there is no meter at the end of the discharge pipe.

- 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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Water supply: no major work was carried out. Hamlet few times serviced the intake pump and maintained heat trace in the intake pipe throughout the winter to avoid freeze up.

Wastes sites: Metal crusher is being used to reduce the metal volume and stocked pile at the designated area.

Batteries are packed and ready to dispose off the site.

Hazardous wastes are separated and kept isolated from the other wastes in the designated area.

The 3 cells lagoon and the emergency lagoon are used throughout the year. These are just maintained for using, but no major work on them was carried out.

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- v. A list of unauthorized discharges and summary of follow-up action taken;
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- vi. The excess sewage over flows every summer through the overflow pipe in order to avoid any structural failure. For the safety of the structure, over flow is the only option at this stage.

The emergency lagoon is mainly used during winter and decanted every other week. Samples are taken during decanting and tested in the accredited lab in Ottawa.

- vii. A summary of any abandonment and restoration work completed during the year and an outline of any work anticipated for future years;
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No abandonment and restoration work was conducted during this reporting year.

Hamlet is expected a new wastewater treatment plant in next $\frac{3}{4}$ years. Once this is commissioned, the three cells lagoon will be expected to be decommissioned.

P lake unused sewage lagoon is expected to be decommissioned at the same time as well.

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- viii. 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 RFP is ready to hire a consulting firm to design, build and commission the new

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WWTP.

A proper training will be provided to the Hamlet operators to manage the operation of the plant. It is anticipated to retain a after care consultant to train the operators and to effectively operate the new plant.

- ix. 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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Hamlet has two water sources. Exp Consulting Inc. is doing water quality research right now.

Hamlet is segregating wastes in proper manner. Batteries are being packed in several boxes.

Crushed metals are stock-piles and planning to dispose all these wastes off the site as soon as possible.

They are maintaining the existing water treatment plant to their best possible capacity until a new one is built and successfully commissioned.

- x. Updates or revisions to the approved Operation and Maintenance Plans.
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Updated O&M manuals for three cell lagoon, and waste sites were submitted to NWB along with the renewal application. The Water licence was expired and requested to be renewed. Water licence's final renewal package was finally submitted to NWB to expedite the renewal process.

- x. **ADDITIONAL INFORMATION THAT THE LICENSEE DEEMS USEFUL:**
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Hamlet has started extended sampling and testing program. They have segregated wastes already. They are looking forward for a new waste management Facility.

A RFP is ready to hire a consulting firm to design, build and commission a new waste Water mechanical treatment plant in next 2 to 3 years.

- xi. **FOLLOW-UP REGARDING INSPECTION/COMPLIANCE CONCERNS:**
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The wastes facilities are the inspector's concerns. Hamlet is closely working with GN-

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CGS to improve/replace those facilities to meet the community demand and to satisfy the regulators.

The Hamlet has currently no active water licence. An application was submitted to renew the Hamlet water licence and NWB is working on this file at this moment. The new water licence will be amended once the design of the new facilities is available prior to construction.

The Test Lab Results for 2018 are submitted in a separate document.



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B18-19785_R.pdf



B18-19779_R.pdf



B18-03334_R.pdf



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