

**ANNUAL REPORT  
FOR THE HAMLET OF CAPE DORSET, 2016**

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**YEAR BEING REPORTED: 2016**

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...?

<b>Month Reported</b>	<b>Quantity of Water Obtained from all sources (litres)</b>	<b>Quantity of Sewage Waste Discharged (Estimated)</b>
<b>January 2016</b>	<b>4,361,877.88</b>	Same
<b>February 2016</b>	<b>4,270,796.40</b>	Same
<b>March 2016</b>	<b>4,572,729.60</b>	Same
<b>April 2016</b>	<b>4,371,092.60</b>	Same
<b>May 2016</b>	<b>4,231,164.70</b>	Same
<b>June 2016</b>	<b>4,103,965.90</b>	Same
<b>July 2016</b>	<b>3,907,915.50</b>	Same
<b>August 2016</b>	<b>4,047,350.00</b>	Same
<b>September 2016</b>	<b>4,426,532.90</b>	Same
<b>October 2016</b>	<b>4,201,787.60</b>	Same
<b>November 2016</b>	<b>4,285,633.60</b>	Same
<b>December 2016</b>	<b>4,270,990.60</b>	Same
<b>ANNUAL TOTAL</b>	<b>51,051,837.28</b>	<b>51,051,837.28</b>

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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The waste water treatment facility by 3 cells lagoon is the big concern. This facility has a capacity issue. The lower berm was repaired and one additional overflow pipe was installed in order to quick discharge through these pipes to keep the berm stable.

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

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The excess sewage over flows every summer. For the safety of the structure, over flow is the only option at this stage.

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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;

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No abandonment and restoration work was conducted during this reporting year. The existing sewage lagoon and solid waste sites were decommissioned and abandoned once the new facilities are built and commissioned.

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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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Stantec Consulting ltd did a feasibility study for the possible options of the better wastewater treatment system in the Community. Dalhousie also did the wetland efficiency study. An individual consultant is expected to review these reports and recommend the best option.

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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 surface runoff ditch of the existing three cells lagoon next to the hill was blocked at the beginning of snow melting season. And this was cleared as soon as overflow was noticed over these lagoons. This was also the concern of the inspector of Nunavut Water Board.

The existing waste management is a big concern. Right now Hamlet is segregating wastes in proper manner. Batteries are being stocked in the sea scan.

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

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The O&M manuals of the water supply, waste management and wastewater treatment facilities were already submitted to NWB. No update or revision was required at this stage. Hamlet is waiting for the direction how to use the P lake sewage lagoon.

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- 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.

Following the recommendation of the individual consultant, a reasonable and acceptable decision will be made for the better treatment of the wastewater of the Community.

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

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Hamlet is working closely with the Water Licence Compliance Group (WLCG) and receiving direction to move forward in order to renew or amend the Hamlet water licence.

The Hamlet has currently no active water licence. An application was submitted to renew the Hamlet water licence excluding the P-lake sewage Lagoon. NWB is working on this file at this moment.

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The Test Lab Results for 2016 are submitted in a separate document.