

**ANNUAL REPORT  
FOR THE HAMLET OF CAPE DORSET-2014**

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**YEAR BEING REPORTED: 2014**

The following information is compiled pursuant to the requirements of **Part B, Item 1** of Water License #3BM-CAP 0810 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 2014</b>	4,602,831.20	Same
<b>February 2014</b>	4,105,322.20	Same
<b>March 2014</b>	4,964,610.70	Same
<b>April 2014</b>	4,568,938.10	Same
<b>May 2014</b>	4,769,206.70	Same
<b>June 2014</b>	4,408,358.90	Same
<b>July 2014</b>	4,658,651.00	Same
<b>August 2014</b>	5,013,614.60	Same
<b>September 2014</b>	4,595,012.10	Same
<b>October 2014</b>	4,613,784.50	Same
<b>November 2014</b>	4,297,173.70	Same
<b>December 2014</b>	4,126,217.40	Same
<b>ANNUAL TOTAL</b>	<b>54,723,721.10</b>	<b>54,723,721.10</b>

Note: There is no meter existing at the discharge pipe. Therefore the monthly discharge is considered as equal to the monthly water consumption.

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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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Hamlet has installed a flow meter recently to account the exact extraction volume of water from the lake. No modification was done to Sewage lagoon or waste sites this year. Hamlet has fenced the solid waste site to control light garbage materials from blowing out from the site. Hamlet also built a short cut access road in case of emergency to reach to the water source.

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

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In order to maintain the structural integrity of the berm of the lower existing lagoon, an overflow pipe has been installed. Sometimes during summer, a gravity discharge takes place through this pipe from the lower lagoon cell.

Spills:

2014132, 2014-05-01: Peter Pitseolak School: Sewage 1000L

2014195, 2014-06-04: House 89: Furnace oil: 0L

2014318, 2014-09-05: Unit 3039 and 3041: Diesel: 4000L

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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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Once the new Sewage lagoon is repaired and commissioned, the existing lagoons will be abandoned and decommissioned. Right now no schedule has been set up to repair the 2007 built sewage lagoon. However an Engineering Consulting firm Stantec Consulting Ltd is working on economic solution for repairing and commissioning this 2007 built sewage Lagoon.

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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 studies on solid waste management were completed. Waiting for the direction from CGS Capital Planning. CGS has accepted the new guidelines for waste management.

Stantec is conducting a feasibility study to repair and commissioning the 2007 built Sewage lagoon. This document will be available soon.

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- viii. any other details on water use or waste disposal requested by the Board by November

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1st of the year being reported; and

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Wastes management (Sewage Lagoon and Landfill site) in the Community are the concerns of the Nunavut Water Board. Inspector's direction was revoked on January 08, 2014.

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- ix. updates or revisions to the approved Operation and Maintenance Plans.
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The updated O&M manuals of the existing Sewage Lagoons and Waste sites were submitted to NWB. The O&M manual for new waste management site will be prepared once the new facility is built and commissioned.

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### **ADDITIONAL INFORMATION THAT THE LICENSEE DEEMS USEFUL:**

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Hamlet started extended sampling and testing program on water, wastewater and Leachate. They have implemented CGS's new Report card in order to inspect and maintain the Environmental facilities more productively. They are working very closely with the recently formed Water Licence Compliance Group (WLCG) to maintain the water licensed facilities under compliancy.

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### **FOLLOW-UP REGARDING INSPECTION/COMPLIANCE CONCERNS:**

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The Plan for Compliance Report was submitted to NWB. Signages of the monitoring stations were installed. Signages for Environmental facilities were ordered and expecting to install in summer 2015. Hamlet operators were trained on water sampling and testing. The Operators will also receive additional training on different disciplines on Municipal Operation organized by CGS and MTO.  
Hamlet is closely working with CGS to renew their water licence.

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**The Lab Test results for 2014 are submitted in different document.**