

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



**YEAR BEING REPORTED:** 2011

The following information is compiled pursuant to the requirements of **Part B, Item 1** of Water License 3BM-CAP0810 issued to the Municipality 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 (litres)</b>
<b>January 2010</b>	4,336,090	Same
<b>February 2010</b>	4,074,041	Same
<b>March 2010</b>	4,855,089	Same
<b>April 2010</b>	4,356,724	Same
<b>May 2010</b>	4,642,887	Same
<b>June 2010</b>	4,302,887	Same
<b>July 2010</b>	4,212,326	Same
<b>August 2010</b>	4,653,516	Same
<b>September 2010</b>	4,043,058	Same
<b>October 2010</b>	4,367,552	Same
<b>November 2010</b>	4,229,275	Same
<b>December 2010</b>	4,206,500	Same
<b>ANNUAL TOTAL</b>	52,279,949	Same

Total in Cubic Meters = 52,280

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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;  
Minor works were carried out to thaw and fix up the water intake pipe line. These activities were: (1) Repair heat trace; (2) Repair and Patch pipeline and (3) Replace heat trace cable.  
Berms have been reinforced to operate and maintain the existing three cells Sewage Lagoons until the new facility is commissioned.
- v. a list of unauthorized discharges and summary of follow-up action taken;  
Nil
- vi. a summary of any abandonment and restoration work completed during the year and an outline of any work anticipated for the next year;  
Design for decommissioning of the existing sewage lagoons will be taken care once the new facility is commissioned. Capital planning has been requested for funding for design for decommissioning of these existing three cells lagoons.
- 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;  
1. Wastewater Treatment Facility:  
Existing Lagoons: The first cell of the three cells is considered to maintain as emergency measures for some time.  
2. Wastes Management Facility: Hamlet Consultant worked on the design of the Waste management facility. Currently this project is on hold for further direction from GN-CGS Capital Planning.  
3. Water Supply System: Minor repairs were carried out last winter to maintain the system.
- viii. any other details on water use or waste disposal requested by the Board by November 1st of the year being reported; and  
1. Installed four thermistors, collect temperature data and validated them.  
2. Sewage Lagoon berms were inspected by a Consulting firm named AMEC.  
3. Constructed five monitoring wells: three at the P-Lake sewage lagoon and two at the waste site.  
Reports for items 1, 2 and 3 are attached.

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

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O & M plan for Wastewater management facilities has been updated. An O&M manual for operating five monitoring wells has also been prepared and can be read in conjunction with the O&M manual of the Sewage Lagoon at P-Lake.

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

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1. The missing beads of the thermistors have been corrected.
  2. The data loggers' readings are attached.
  3. Hamlet has arranged an accredited laboratory for testing Sewage effluent quality.
  4. The consultant completed feasibility study on the Waste Management Facility. This project is on hold for further direction from the GN-CGS Capital Planning.
  5. Temperature data have been validated and the Report is attached.
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### **FOLLOW-UP REGARDING INSPECTION/COMPLIANCE CONCERNS:**

Hamlet will be sampling ground water from those five wells this summer and tested the samples following the guidelines of the Water License.

The Community is working with Community Government Services and planning to bring all the Environmental Facilities under Water License compliancy ASAP.

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