

**ANNUAL REPORT
FOR THE HAMLET OF CAPE DORSET-2015**

YEAR BEING REPORTED: 2015

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.

Month Reported	Quantity of Water Obtained from all sources (litres)	Quantity of Sewage Waste Discharged (Estimated)
January 2015	4,619,238.80	Same
February 2015	4,364,112.60	Same
March 2015	4,659,261.30	Same
April 2015	4,157,273.80	Same
May 2015	3,782,692.20	Same
June 2015	3,929,077.30	Same
July 2015	3,839,995.40	Same
August 2015	4,150,870.00	Same
September 2015	4,370,030.80	Same
October 2015	4,321,432.50	Same
November 2015	4,339,475.54	Same
December 2015	4,395,215.50	Same
ANNUAL TOTAL	50,928,675.74	50,928,675.74

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;

No modification was done to P lake Sewage lagoon or waste sites this year. An engineering study was conducted for possible cost effective solution to repair the 2007 built sewage lagoon and its associated access road. CGS is right now reviewing this Report.

The lower berm of the three cell lagoon was repaired and added one extra pipe for quick overflow.

Hamlet maintained the short cut access road in case of emergency to reach to the water source.

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

In order to maintain the structural integrity of the berm of the lower existing lagoon of the 3 cell lagoon, an additional overflow pipe has been installed. Sometimes during summer, a gravity discharge takes place through these pipes from the lower lagoon cell.

- vi. a summary of any abandonment and restoration work completed during the year and an outline of any work anticipated for the next year;

The lower berm of the existing 3 cell lagoons was repaired and upgraded with an additional overflow pipe. The surface ditch next to these lagoons was isolated and cleaned to avoid surface water entering into these 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;

The study on solid waste management was complete. Waiting for the direction from CGS Capital infrastructure to implement the capital project. CGS has accepted the new guidelines for waste management.

The Engineering Consultant Stantec has conducted a feasibility study to repair and for commissioning the 2007 built Sewage lagoon. This document is under review by CGS.

- 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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Wastes management (Sewage Lagoon and Landfill site) in the Community are the concerns of the Nunavut Water Board. Inspector's direction was issued to rectify the lower berm of the 3 cell sewage lagoons and it was corrected.

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

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.

ADDITIONAL INFORMATION THAT THE LICENSEE DEEMS USEFUL:

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.

The water licence # was expired on----- . A renewal application will be submitted excluding the 2007 built Sewage Lagoon.

FOLLOW-UP REGARDING INSPECTION/COMPLIANCE CONCERNS:

Hamlet operators were trained on water sampling and testing. The Operators will also receive additional training on different disciplines in Municipal Operation organized by CGS and MTO. Hamlet is closely working with CGS to renew their water licence.

The Lab Test results for 2015 are submitted in separate document.