

Multi Year Municipal Compliance Summary

Cape Dorset

3BM-CAP0810

Potable Source

T-Lake to Water Point holding tank

Licensee

Hamlet

Start and Expiry Dates

3/7/2008

3/1/2010

Status

Expired

Sampling

None

Administrative Reporting General

O&M and A&R Plan Unacceptable

Failure to submit complete annual reports

Failure to submit results of the monitoring program

2007 Report (Water License expiring)

- Develop a Quality Assurance/ Quality Control Plan,
- Develop a Solid Waste Disposal Operations and Maintenance Manual
- Three-tier lagoon overtops annually during freshet. Raw sewage entering Telik Inlet
- Emergency lagoon requires A&R plan submission and Rehabilitation work to be undertaken in 2008

2008 Reporting

- New Lagoon constructed without a valid Water License
- Thermistors have not been installed as required
- Monitoring plan and program for Lagoon to be submitted within 90 days
- Safety issue on road to new lagoon
- 3 tier lagoon fails annually, Lagoon found at capacity with a wash out of outside of third cell
- New lagoon constructed but not commissioned because of issues with construction
- No annual sampling, reports or manuals have been submitted

2009 Reporting

- Sewage treatment in the community continues to return sampling results which exceed the NWT Limits for Effluent Parameters for Specific Discharges criteria
- The Licensee failed to collect and submit for analysis the samples required on the Monitoring Program.
- Failure to undertake works to mitigate and remediate such lands and waters as were effected by the run off and erosion noted on the roadway to the new lagoon.
- Failure to undertake such works as required preventing the failure and erosion of the new lagoon system into lakes and waters downstream of the new lagoon system. (Licensee or designate)
- Failure to submit as required a complete Annual report (Part B(1))
- Failure to submit as required a Plan for Compliance (Part B (6))
- Failure to submission of a completed Summary Report including revised as-built plans for the New Lagoon (2007) (Part E (5))
- Failure to develop and submit an Operation and Maintenance Manual, Sewage Treatment System, Hamlet of Cape Dorset, November 7, 2007 subject to the requirements of Schedule 2. (Part F (1))
- Failure to submit the Operation and Maintenance Manual for the Water Supply Facilities and the Solid Waste Disposal Facilities (Part F(2))
- Failure to submit of a geotechnical Inspection report to be completed annually in July. (Part F(5))

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- Failure to submit as required all Abandonment and Restoration Plans (Part G)
Implement the requirements listed under the Monitoring Program (Part H – all parts that apply currently and not subject to the commissioning of the New lagoon (2007))

2010 Reporting

- Water License expiring
- The 2007 Lagoon remains non-commissioned
- Water documented flowing under berm Walls at 2007 lagoon
- Water built up in Man-way access hatch of 2007 Lagoon
- Three Tier lagoon at capacity with noticeable direct discharge to Marine environment
- Outside wall of Three Tier lagoon severely eroded and in danger of failing
- Failure to file required Compliance Plan
- Reports and Plans all remain outstanding -
- Municipal Burn and bury requires fencing
- Failure to submit as required a complete Annual report. (Part B(1))
- Failure to submit as required a Plan for Compliance. (Part B (6))
- Failure to submit a completed Summary Report including revised as-built plans for the New Lagoon (2007). (Part E (5))
- Failure to develop and submit an *Operation and Maintenance Manual, Sewage Treatment System, Hamlet of Cape Dorset, November 7, 2007* subject to the requirements of Schedule 2. (Part F (1)) Operation and Maintenance Manual for the Water Supply Facilities and the Solid Waste Disposal Facilities. (Part F(2))
- Failure to submit a geotechnical Inspection report to be completed annually in July. (Part F(5))
- Failure to submit all Abandonment and Restoration Plans. (Part G)
- Failure to implement the requirements listed under the Monitoring Program. (Part H – all parts that apply currently and not subject to the commissioning of the New lagoon (2007))

2011 Reporting

Potable Source:

- Water is pumped from T-Lake to Water Point holding tank.
- Raw water is chlorinated while transferring to the delivery trucks in the community.
- The pumping station was found in good order.
- Chlorination records from testing were not available for review during the inspection.
- Samples were collected from T-Lake.

Waste: Lagoon(s)

At the time of the Inspection the 2007 Lagoon constructed was still not in use. Contractors (hired by CG&S-GN) had recently been to the site to complete leak testing on the facility. A red dye had been mixed into the standing water within the facility and then monitored over a number of days to determine if water from inside the lagoon was exiting under the berm wall. During the inspection it was noted that a rapid flow of dyed water was exiting the from under the wall of the berm and had mixed with the adjacent lake water turning it red as well.

- The 2007 Lagoon remains non-commissioned
- Water documented flowing under berm Walls at 2007 lagoon
- Water built up in Man-way access hatch of 2007 Lagoon
- No data loggers attached to the thermistors stations at the 2007 lagoon
- The three tier lagoon system was found in better condition than in past inspections
- The emergency lagoon (old lagoon) was found to have very little water within the walls of the cell.
- Plans to mitigate the sludge and restore the site (A&R Plan) have still not been submitted by the licensee as required.

Waste: Solid Waste Management Area

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- Metals/Bulk Waste Area has seen some segregation of paints and old batteries since 2009 inspection.
- Batteries however had been placed in open top 45 gallon drums outside the sea-cans. Some of these batteries were observed to be broken or cracked. The drums are now half full of water that has mixed with the acid from the broken batteries. This is a very dangerous situation as members of the general public have unrestricted access to the drums and the whole site. The Hamlet has been directed to neutralize these drums and to properly crate these batteries for shipment off site.
- The berms that was constructed in 2008 to contain and control run off from the bulk waste management area has developed a wash out in one area
- The Licensee has again failed to undertake the required sampling this year.
- It is noted that the GN did provide a 2009 Annual report of the Municipality's behalf. The report was returned and then resubmitted. The 2009 report was considered incomplete by the Nunavut Water Board and a report from 2010 has not yet been submitted

HAMLET OF CAPE DORSET 3BM-CAP0810 (EXPIRED) **Non-compliance Overview between 2007 and 2011**

The Hamlet of Cape Dorset remains unlicensed because of the failure of the Government of Nunavut, Department of Community and Government Services to submit information required by the Nunavut Water Board to review the application for renewal.

Part B (1) Failure to submit as required a complete any Annual reports

Part B (6) Failure to submit as required a Plan for Compliance.

Part E (5) Failure to submit a completed Summary Report including revised as-built plans for the New Lagoon (2007).

Part F (1) Failure to develop and submit an Operation and Maintenance Manual, Sewage Treatment System, Hamlet of Cape Dorset, subject to the requirements of Schedule 2.

Part F (2) Failure to develop and submit an Operation and Maintenance Manual for the Water Supply Facilities and the Solid Waste Disposal Facilities.

Part F (5) Failure to submit a geotechnical Inspection report to be completed annually in July.

Part G Failure to submit all Abandonment and Restoration Plans.

Part H – all parts that apply currently and not subject to the commissioning of the New lagoon (2007) Failure to implement the requirements listed under the Monitoring Program.

Inspections and review completed by Field Operation Section, AANDC