

Multi Year Municipal Compliance Summary

Chesterfield Inlet

3BM-CHE1013

Source: First Water Lake
Licensee: Hamlet
Start and Expiry Dates: 10/1/2010 9/30/2013
Status: Active
Sampling: None

Administrative Reporting General

Geotechnical inspection required for decommissioned landfill
2011- O&M Plan Not Inspected, and A&R Plan unknown
Annual reports are incomplete or missing from 2003 – 2007
Sampling results have not been filed

2007 Reporting

- SNP stations must be in place for the municipal sampling locations,
- The Hamlet needs to improve its operations at the sewage and landfill facilities, as well as the storage of waste oils.
- A clean up of the contaminated soil around the waste oil storage is required
- The sections of fencing missing at the landfill should be replaced, to cut down on wind blown garbage exiting the landfill.

2008 Reporting

- No lagoon in community - wetlands treatment only (insufficient treatment)
- Municipal and metals waste area leaching into effluent stream
- No sampling or reporting as required
- Licensee has not taken any steps to address findings of 2007 Inspection

2009 Reporting

Licensee remains unlicensed, an application for renewal has not been filed

- Sewage continues to be discharged directly to the environment without treatment.
- Failure to collect and submit for analysis the samples required on the Monitoring Program.
- Failure to undertake such water management as is required to control the spread of runoff from the waste management area into effluent flow pathways.
- Failure to segregate hazardous materials into a lined and controlled area
- Failure to submit required Annual reports (Part B (1 i through viii))
- Failure to maintain the appropriate Monitoring program signage (Part B (5))
- Failure to notify the Inspector prior to decant as required (Part D(4))
- Failure to Maintain the Sewage lagoon to the satisfaction of the inspector (Part D(5))
- Failure to identify and submit the Final discharge points for the current lagoon system (Part D (8))
- Failure to take such measure as to prevent or control the deposition of waste from the
- Solid Waste management Area to the Sewage Disposal Area (Part D (10))
- Failure to develop and submit Operations manuals (Part F (1))
- Failure to submit as required the appropriate Abandonment and Restoration Plans (Part G (1))
- Failure to implement the requirements listed under the Monitoring Program (Part H)
- Failure to development and submit a QA/QC Plan. Part H (6))

2010 Reporting

Potable Source

- Water supply reservoir and pumping station were in good working order
- Records available for review – Found complete

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- Chlorination system full and set correctly
- Testing materials and records on site
- A flow measuring device has not been installed

Waste: Lagoon

- Work to modify and construct berms to facilitate waste water treatment within the community has been undertaken by the Licensee and a Contractor (Stantec) without the authority of a license or the approval of the Nunavut water Board.
- An Operations and Maintenance manual was available for review however No stamped drawings were available for review by the inspector.
- Again, facilities are being constructed without the required approvals contrary to the legislation
- No sampling was undertaken by the licensee

Waste: Solid Waste Management Area

- Hazardous waste drums stored outside the bulk WMA, location is not lined
- A Diversion dyke to channel and prevent the mixing of contact water from the WMA and the effluent channel has been installed. No sampling has been undertaken by the licensee to confirm effectiveness as required.

NB: It was noted that the most recent license for the Municipality was not issued until after this work was completed. As such the Inspector has yet to see any of the commissioning documents either in the file or on the Nunavut Water Boards' FTP site

2011 Reporting

Potable Source

- A new Building/Portable has been installed with a class 2 treatment system.
- Filters and electrical are not yet hooked up.
- Reservoir is full
- Chlorination pump and mixing tank were both at low levels during the Inspection
- Records on daily testing were on site and available for review

Waste: Lagoon

- A Lagoon system has not been installed. Two depressions (lined) act as containment/ solids removal areas allowing effluent to pass through into a marsh-like area with flowing water.
- Dykes at the end of the marshland funnel the effluent streams and freshwater to one central point for release to the foreshore of the Ocean.
- Samples were collected from this point.
- The construction of other secondary berms within the Solid Waste Management area were also noted and being completed. These berms were installed to both prevent the flow of contaminated contact water and surface run-off from the municipal waste management area from entering the Effluent stream

Waste: Solid Waste Management Area

- Hazardous waste drums are stored outside of the Waste Management Area in bermed containment that is not lined
- Samples of ponded water from the Waste Management Area were collected.
- Municipal waste area requires cover material and segregation of hazardous wastes within the facility

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HAMLET OF CHESTERFIELD INLET Non-compliance Overview between 2007 and 2011

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It is noted that the community of Chesterfield Inlet operated wholly outside the authority of a license and the Nunavut Water and Nunavut Surface Rights Tribunal Act between 2008 and October of 2010.

In that time the Licensee and their agent constructed new Waste water Treatment facility and initiated plans to up-grade the water intake and treatment facilities within the community. This work was all undertaken without the authority of a license.

The most recent license was issued in October of 2010.

Instances of identified Non-compliance over this short period of time include;

Part B (1a-i) Failure to submit a complete annual reports as required (this includes those requirements as listed in Part H – Monitoring Program)
Part B (2) Failure to comply with the Monitoring Program
Part B (4) Failure to install meters or devices for recording volumes of water used or waste discharged.
Part D (9) Failure to segregate Hazardous Materials and hazardous wastes
Part F (3) Failure to submit to the Board for approval, the required Geotechnical Inspection Report and Engineer's recommendations as required.
Part G (2) Failure to submit to the Board for approval, an Abandonment and Restoration Plan for the Sold Sewage lagoon

Inspections and review completed by Field Operation Section, AANDC