



Inspection Report

License #: 3BM-CHE

Inspector: A. Keim

CIDMS # 371012

Client	Municipality of Chesterfield Inlet		
Mailing Address	Box 10		
Inspection site location	Chesterfield Inlet , Nunavut		
Contact name	Rick Van Horne	Title	SAO
Last inspection date	August 1 st 2008		
Inspection start date	August 4, 2009		
Region	Kivalliq		



INAC, Nunavut District
P.O. Box 100
Building 918
Iqaluit, NU, X0A 0H0

Submitted Via E-Mail

Our File: 3BM-CHE0308 **EXPIRED**

Your File: _____

CIDM # 371012

December 7, 2009

Mr. Rick Van Horne
Senior Administrative Officer
Box 10
Chesterfield Inlet, Nunavut
XOC OBO

RE: August 3rd , 2009 Municipal Water Licence Inspection 3BM-CHE308 – Expired

The following inspection report was generated on an inspection conducted to determine compliance with the terms and conditions of the water license (expired) issued to the Municipality of Chesterfield Inlet by the Nunavut Water Board (NWB).

The report references the applicable parts of the current Water License (3BM- CHE0308) and the findings observed under each of those Parts. During the writing of this report a review was undertaken of the documents located on the Nunavut Water Board's FTP site.

It is noted that on September 9th, 2008 the Nunavut Water Board received a renewal application from the Licensee for a Type B Water License for the community.

The Inspector would like to thank Mr. Greg Tanuyak – Municipal Foreman and Mr. Jaykpo Kimmaliardjuk- Municipal By-Law Officer for their assistance during the period of the Inspection.

Previous findings:

The Community of Chesterfield Inlet submitted to the Nunavut Water Board on September 9, 2008 an application for a renewal of their current License (3BM-CHE0308). This application was reviewed by the Nunavut Water Board and found to be incomplete.

On February 24th, 2009 the Hamlet of Chesterfield Inlet submitted the required additional information to the Nunavut Water Board. Following a review of this material the application was deemed to be complete and could proceed. The Nunavut Water Board also requested that the Hamlet submit by June 1st, 2009 a Plan for Compliance because of the deficiencies in past compliance noted by the Inspector.

On July 10th, 2009 the Nunavut Water Board notes that the required plan had not been submitted by the Licensee and requested it again from the hamlet. To date this plan has not been submitted.

Currently the Hamlet of Chesterfield Inlet is unlicensed.

Issues noted in previous Inspections;

- Sewage treatment continues to be below an acceptable standard.
- Failure to collect and submit for analysis the samples required under the Monitoring Program.
- Failure to undertake such water management works as is required to control runoff from the waste management area from entering effluent discharge pathways.
- Failure to segregate hazardous materials onto a lined and controlled containment.
- Failure to implement the Monitoring Provisions under the license.
- Failure to develop and submit an Operation and Maintenance Manual.
- Failure to submit annual reports.



- Failure to install and maintain the appropriate signage, and Surveillance Network Program (SNP) markers.
- Failure to develop a Quality Assurance/ Quality Control Plan. (contact the Nunavut Water Board)

During the period of the 2009 Inspection the following issues were identified by the Inspector;

- Failure to file Annual Reports. (2007 filed and found to be incomplete)
- Failure to take steps to prevent and control off site runoff from the Solid Waste Management Facility.
- Failure to control runoff from the Solid Waste Management Facility from entering effluent discharge pathways.
- Failure to comply with the monitoring program by collecting samples for analysis.

Samples collected from outside, but adjacent to, the Municipal Waste Management Area and Sewage Outfall by the Inspector returned the following results;

Parameter:	Result	NWTELS ¹ Criteria
Manganese	78 µg/L	50 µg/L
Iron	2420 µg/L	300 µg/L

* It was noted that the Sewage disposal facility is located immediately adjacent to the Solid Waste Management Facility, and consists of a simple truck offload discharge area and run off pathway into a lowlands area which functions to contain the raw sewage. The effluent then flows downstream to the marine environment through the lowlands along a 1 Km flow path. No lagoon system is present in the community.

Non-Compliance: Issues identified during the August 3rd, 2009 inspection and/or review of relevant material

Issues with a known or anticipated human health impacts;

- Sewage is discharged directly to the environment without treatment.
- Failure to collect and submit for analysis the samples required on the Monitoring Program.

Issues where there is a known or anticipated environmental impairment;

- Failure to undertake such work as is required to control the spread of runoff from the Waste Management Facility into effluent flow pathways.
- The Licensee has failed to segregate hazardous materials into a lined and controlled area.

Issues where there is a known or suspected violation of a requirement of the Water License;

- 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))

¹ NWT Limits for Effluent Parameters for specific Discharges Criteria



Indian and Northern
Affairs Canada

Affaires indiennes
et du Nord Canada

The Municipality of Chesterfield Inlet is operating in Non-conformity with the terms and conditions of the now expired Water License. The Municipality is strongly encouraged to contact the Nunavut Water Board and the inspector to determine next steps toward achieving and maintaining compliance with the Act.

A. Keim

Inspector's Name

Inspector's Signature

Cc:

Peter Kusugak - Manager Field Operations Section- Indian and Northern Affairs Canada

Phyllis Beaulieu – Manager Licensing – Nunavut Water Board



















