

WATER USE INSPECTION REPORT FORM

Date: Sept 9, 2011	Licensee Rep. (Name/Title): Lillian Simik (A/SAO), Greg Tanuyak
Licensee: Municipality of Chesterfield Inlet	Licence No: 3BM-CHE1013

WATER SUPPLY

Source(s): First Water Lake	Quantity used: 8,990,512 L
Owner:/Operator: Municipality of Chesterfield Inlet	

Indicate: A - Acceptable U - Unacceptable NA - Not Applicable NI - Not Inspected

Intake Facilities: A	Storage Structure: A	Treatment Systems: A	Chemical Storage: NI
Flow Meas. Device: A	Conveyance Lines: NI	Pumping Stations: A	Screen : NI

Comments:
Water supply reservoir and new class 2 treatment and pumping station were in good working order during the period of inspection. The filtration system had not been installed in the facility and work remains to be done to commission the new facility. Water from the Reservoir continues to be treated through the facility using the existing Chlorination system. The water reservoir was full at the time of inspection.

Chlorination pump and mixing tank were both at low levels during the Inspection. Records on daily testing were on site and available for review.

Samples were collected at the source lake.

WASTE DISPOSAL

Sewage: Sewage Treatment System: Discharge to small overflow cells, into wetlands area

Natural Water Body: No	Continuous Discharge (land or water): NA
Seasonal Discharge: NA	Wetlands Treatment: Unknown Trench: None

Indicate: A - Acceptable U - Unacceptable NA - Not Applicable NI - Not Inspected

Discharge Quality:	Decant Structure: NA	Erosion: A
Discharge Meas. Device: NA	Dyke Inspection: NI	Seepages: NI
Dams, Dykes: A	Freeboard: NA	Spills: NI
Construction: A	O&M Plan: NI	A&R Plan:
Periods of Discharge: Con.	Effluent Discharge Rate: Unknown	

Comments:
The Inspector and Greg Tanuyak (Foreman) attended the newly re-done sewage treatment area.

On site, two lined truck deposit areas were located. These areas were composed of shallow bowl shaped depressions which had berms created on the down gradient side. The berms were transacted by two overflow areas lined with rocks to prevent erosion of the berm wall. Down grade of these truck drop off areas is a low pond area which runs down grade to the ocean and a second set of berms created to funnel effluent and run off from the basin into one channel.

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 Leachate and surface run-off from the municipal waste management area from entering the Effluent stream

Samples were collected from the final discharge point at the second set of berms.

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.

Solid Waste: Metal wastes are segregated from municipal wastes.

Owner/Operator: Municipality of Chesterfield Inlet

Landfill: U	Burn & Landfill: U	Other: Bulk metals area
-------------	--------------------	-------------------------

Comments: The Municipal Waste Management Area appears to have seen some segregation. Hazardous waste drums are stored outside of the Waste Management Area in bermed containment that is unlined.

The Municipal Waste Management Area is fenced but lies adjacent to the Waste Water Management / Truck drop off. A dyke has been constructed to prevent Contact water from the Waste management Area from entering the Effluent stream. Samples of ponded water from the Waste Management Area were collected.

FUEL STORAGE: Not inspected. **Owner/Operator:** Government of Nunavut
Indicate: **A** - Acceptable **U** - Unacceptable **NA** - Not Applicable **NI** - Not Inspected

Berms & Liners: NI	Water within Berms: NI	Evidence of Leaks: NI
Drainage Pipes: NI	Pump Station & Catchments Berm: NI	
Pipeline Condition: NI	Condition of Tanks: NI	

Waste Oil Storage: Old and other drums were noted outside the Municipal Waste Management Area. These drums were found to be in a bermed area and located on a liner.

SURVEILLANCE NETWORK PROGRAM (SNP)

Samples Collected		Owner /Operator: No sampling was undertaken by the licensee this year
3		INAC: Potable water source, Effluent discharge, Leachate
Signs Posted	SNP: none	Warning: 1 at Lagoon, 1 at Reservoir
Records & Reporting: An annual report was submitted following the 2011 Inspection. .		
Geotechnical Inspection: N/A		

Non-Compliance of Act or Licence:

The licensee continues to work on administrative issues including the production of annual reports. The failure of the licensee to implement the required monitoring (sampling) program following the issuance of the new license is of concern to the Inspector.

The Licensee is reminded that Annual reports are due on March 31st of the year following the year being reported. The 2011 Annual report is then due on March 31st 2012.

The Licensee is also reminded of the requirement to have a geotechnical Inspection completed on all engineered facilities related to the management of water and waste, including the decommissioned landfill between July and August annually. This report was not found on the Nunavut Water Board's FTP site and will form a part of the next scheduled inspection in 2012.

The Municipality continues to work towards compliance with the Nunavut Water and Nunavut Surface Rights Tribunal Act and the recently issued License. .

A.Keim

Inspector’s Name

Sent by E-mail Original on File

Inspector’s Signature

Cc:
Jeff Mercer - A/Manager Field Operations
Phyllis Beaulieu – Manager Licensing- Nunavut Water Board

Contact Information:

Andrew Keim
Water Resources Officer
Aboriginal Affairs and Northern Development Canada
Building 918 – Box 100
Iqaluit, Nunavut XOA OHO
867-975-4289 Ph
867-979-6445 Fx
Andrew.Keim@AANDC-AADNC.gc.ca