

WATER USE INSPECTION REPORT FORM

Date: August 18, 2011	Licensee Rep. (Name/Title): Troy Jenkins- SAO, Steven Ipeelee – A/SAO, David Arreak -Foreman
Licensee: Hamlet of Clyde River	Licence No.: 3BM-CLY0909 EXPIRED

WATER SUPPLY

Source(s): Water Source Lake	Quantity used: 19,696,265.18 L
Owner:/Operator: Municipality	Meter reading : 00494497

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

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

Comments: During the Period of Inspection none of the Hamlet staff were available to attend this portion of the Inspection. The Inspector, Adrian Dascalescu – GN ( CG&S), and Tanya Trenholm of AANDC conducted the inspection of the potable source and pumping station.

- During the Inspection the following was noted;
- At that time the chlorine mixing barrel and the holding tank for the chlorination meter were both found to be nearly empty (less than 10%)
  - The Community was found to be out of chlorine for water treatment
  - Water levels in the source lake were higher than the previous year
  - Water chlorination records appear to be incorrectly completed with free and total chlorine levels being transposed in some cases
  - The pumping station was found in good order
  - Samples were collected at the water in-take.

WASTE DISPOSAL

Sewage: Sewage Treatment System (Prim./Sec/Ter.): Primary cell and secondary cells

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

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

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

Comments: At the time of the Inspection representatives of the contactor who constructed the new secondary cell at the lagoon and the environmental engineering firm who designed and oversaw construction of the new facility were on site for commissioning and collection of thermister data.

The Municipality had not yet begun to discharge effluent (decant) from the secondary cell. The secondary cell was close to half full and it was expected that the cell would be decanted this fall. The inspector advised the Hamlet foreman to contact him 10 days prior to decanting, so that samples could be collected and SMP stations could be located down gradient from the Lagoon.

The original cell had undergone some additional work this season and was found to be empty. This included the installation of a half liner on the common wall with the secondary cell. The sludge appears to have been pulled away from the berm walls and piled in the center of the cell. A sludge management plan has not yet been provided by the Licensee. No sludge was removed from the original cell.

It is unclear if a notification of commissioning was provided to the Nunavut water Board prior to the date of Inspection.

Solid Waste:

Owner/Operator: Hamlet of Clyde River

Landfill: Efforts to segregate noted :A	Burn & Landfill: U	Other: No fence installed
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Comments: Work to maintain the Municipal Waste management area continues. However the plans to install a fence around the existing facility have not yet been fulfilled. A plan to move the Municipal Waste Management Area has again been delayed at the request of the Government of Nunavut.

The Hazardous Waste Management Area has seen a number of advances and extra work since the period of the last inspection. A lined and bermed area has been installed by the licensee and the majority of the waste oil and barrels of unknown contents that were leaking have been moved into the containment area. A Number of sea-cans are also on site and hare being used to store waste batteries and other hazardous materials.

FUEL STORAGE:

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	

SURVEILLANCE NETWORK PROGRAM (SNP)

Samples Collected: 0	Owner /Operator: Samples were collected and the results submitted	
Samples Collected: 1	INAC: Potable,	
Signs Posted	SNP: None	Warning: New signage was noted
Records & Reporting: A 2010 Annual report was submitted by the licensee. Sampling results have been submitted. Signage was addressed as required by the Inspector.		
Geotechnical Inspection: N/A		

Non-Compliance of Act or Licence:

The majority of the identified during the 2009 and 2010 inspections have been addressed by the Licensee.

The Municipality however remains unlicensed. The Municipality is strongly encouraged to take such measures that are within their power, to address this and bring themselves into full compliance as soon as possible.

The Municipality is also reminded to ensure that Operations Maintenance Manuals are up-dated to ensure that the management of the Potable source and the Chlorination system are up-to-date and running effectively in the community.

A.Keim

Inspector’s Name

Sent by E-mail (Original signed and on file)

Inspector’s Signature

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

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