

WATER USE INSPECTION REPORT FORM CIDM# 428914

Date: August 26, 2010	Licensee Rep. (Name/Title): Sam Willie- Hamlet Foreman
Licensee: Municipality of Arctic Bay	Licence No.: 3BM-ARC0810 EXPIRED

WATER SUPPLY

Source(s): Marcil Lake		Quantity used: Based on Truck volumes	
Owner:/Operator: Municipality of Arctic Bay		Meter in Pump station is off line	
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: NI	Conveyance Lines: A	Pumping Stations: A	Screen : NI

Comments:
The Municipality of Arctic Bay treats water from Marcil Lake as it is loaded into trucks for distribution. Chlorination records were noted in the Pump house. These records were found to be incomplete and should be better secured.

The pumping station was clean and well organized. A new interior room had been constructed, to contain and provide ventilation for, the chlorine mixing station. Samples collected at ARC-1.

WASTE DISPOSAL

Sewage: Sewage Treatment System (Prim./Sec/Ter.): Primary treatment

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

Natural Water Body: No	Continuous Discharge (land or water): None	
Seasonal Discharge: prior to Inspection	Wetlands Treatment: Ongoing	Trench: None
Discharge Quality: U	Decant Structure: NA	Erosion: U
Discharge Meas. Device: NA	Dyke Inspection: NI	Seepages: U
Dams, Dykes: U	Freeboard: A	Spills: Reported
Construction: NA	O&M Plan: U (none submitted)	A&R Plan: U
Periods of Discharge: Seasonal	Effluent Discharge Rate: Unknown	

Comments:
Sewage within the Lagoon was below the required 1 meter of freeboard. Obvious signs of erosion along the interior of the lagoon were noted during the Inspection. In cooperation with the Municipality the site of ARC-4 was identified to ensure the samples collected by the Municipality and the Inspector are from the same location and are representative.

A tour of the new Lagoon was undertaken during the Inspection. It does not appear to be a lined lagoon. The Inspector and the Municipal foreman could not locate the Discharge pipe and it was stated that despite repeated requests to the GN and the contractor a set of plans for the lagoon have not been provided to the Municipality for review and approval.

Additionally it was noted that the Municipality has not filed the required plans identified in the 2009 Inspection Report. The Municipality, during the Inspection, stated that the Government of Nunavut has not yet provided these documents.

Solid Waste: Owner/Operator: Municipality of Arctic Bay

Landfill: U	Burn & Landfill: U	Other: Hazardous Materials Area
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Comments:
Solid Waste Management in the community has seen some improvement with sorting and segregation of hazardous materials including Batteries (stockpiled in a locked sea-can) and waste-oils. There appears to be an issue with local and visiting contractors depositing waste in the municipal facilities without permission and without secondary containment.

The Local Housing authority has in Arctic bay, like many other communities, taken to stacking the old fuel oil tanks within the municipal Land Fill without first cleaning them nor consulting the Municipality regarding their eventual disposal. This is an issue for the Licensee as they are now left to address spills and other contaminants within the bulk metals area resulting from these tanks and their storage.

The Municipal waste area (burn and bury) is not well maintained and burned materials are pushed over but not subsequently covered by material. This should be addressed by the period of the next Inspection. Additionally, a fence for the facility has been noted as a requirement repeatedly in previous inspection reports. A fence is required and must be installed prior to the next Inspection or further enforcement actions will be undertaken.

FUEL STORAGE:

Owner/Operator: Government of Nunavut

Waste Oil Storage: In Landfill area/ unlined

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: Unknown.	

SURVEILLANCE NETWORK PROGRAM (SNP)

Samples Collected	Owner /Operator: samples from 2009 noted on site during Inspection	
2	INAC: Potable water source & Effluent discharge	
Signs Posted	SNP: none	Warning: None
Records & Reporting: A number of Items are outstanding as outlined by the NWB		
Geotechnical Inspection: N/A		

Non-Compliance of Act or Licence:

The Municipality is currently in Non-compliance with the Nunavut Water and Nunavut Surface Rights Tribunals Act.

The previously issued short term license has now expired. This license was issued to provide the Licensee the opportunity to come into compliance with the requirements of the Act.

As outlined in the 2009 Inspection report the Licensee and their agent were to provide, before the period of the 2010 Inspection the following information to the Nunavut Water Board and the Inspector;

- An Operation and Maintenance Manual
- A Plan for compliance

This Information and a resubmitted application were required to facilitate the application process for the issuance of a longer term License for the Licensee. The Licensee has failed to provide this information.

The Licensee shall provide the above required documents to the Nunavut Water Board as an addendum to the 2010 annual report in addition to undertaking the installation of a fence around the waste management area.

A.Keim

Inspector’s Name

Sent by E-mail

Inspector’s Signature

