

WATER USE INSPECTION REPORT

Date: July 11,2009	Licensee Rep. (Name/Title): None available
Licensee: Municipality of Arctic Bay	Licence No.: 3BM-ARC0810 Amendment 1

WATER SUPPLY

Source(s): Marcil Lake	Quantity used: Unknown / no records available
Owner:/Operator: Municipality of Arctic Bay	

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. No records were found regarding the treatment or monitoring of chlorine levels. Consumption records were also not available for review during the Inspection. The pumping station was clean but had an overwhelming odour of Chlorine in the building. Ice was still present on the Lake during the Inspection.

WASTE DISPOSAL

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

Natural Water Body: No	Continuous Discharge (land or water): None		
Seasonal Discharge: prior to Inspection	Wetlands Treatment: Ongoing	Trench: None	

Comments: Sewage within the Lagoon was below the required 1 meter of freeboard. Obvious signs of erosion and failure of the lagoon walls were photographed during the Inspection. Downhill of the lagoons it was noted that work on retention berms had continued to slow the flow of sewage released from the Lagoon’s 2 cells. Over 200 meters from the lagoon samples containing obviously high levels of sewage were collected 10 meters from the culvert outfall to the ocean.

Solid Waste: Owner/Operator: Municipality of Arctic Bay

Landfill: U	Burn & Landfill: U	Other: Bulk metals area
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Indicate: **A** - Acceptable **U** - Unacceptable **NA** - Not Applicable **NI** - Not Inspected

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	

FUEL STORAGE:

Waste Oil Storage: In Landfill area/ unlined **Owner/Operator:** Municipality of Arctic Bay

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

Berms & Liners: A	Water within Berms: A	Evidence of Leaks: NI
Drainage Pipes: NI	Pump Station & Catchments Berm: NI	
Pipeline Condition: A	Condition of Tanks: Tanks appeared in Good condition	

SURVEILLANCE NETWORK PROGRAM (SNP)

Samples Collected		Owner /Operator: No samples from Municipality have been submitted	
2		INAC: Potable water source & Effluent discharge	
Signs Posted	SNP: none		Warning: None
Records & Reporting: No records of water usage, waste discharge, Chlorine monitoring records found			
Geotechnical Inspection: N/A			

Non-Compliance of Act or Licence: The Municipality, via the Government of Nunavut applied for a renewal license and was issued an amended license for a term of two years. The Municipality, at the time of inspection has not undertaken the works required under the amendment. The Municipality is currently in Non-compliance with the Nunavut Water and Nunavut Surface Rights Tribunals Act.