

WATER USE INSPECTION REPORT FORM

CIDM#429028

Date: July 1,2010	Licensee Rep. (Name/Title): Meaghan Leach, Jeff MacMunn, Paul Clow, Rob Hogan and Rosemary Kilpatrick as an observer from C&GS .Gov. Nu.
Licensee: Municipality of Iqaluit	Licence No.: 3AM-IQA0611

WATER SUPPLY

Source(s): Lake Geraldine Water Supply	Quantity used: Recorded on site
Owner:/Operator: City of Iqaluit	2,350,000 L recorded usage on June 30, 2010

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

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

Comments: Facility clean and in good order. Both UV units were found in working order. Chemical storage in building is in good order and excess removed to a secure location. Noted small leaks in Dam, City has conducted the required inspections and plans to address by August of this year.

WASTE DISPOSAL

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

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

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

Discharge Quality: U	Decant Structure: NI	Erosion: A
Discharge Meas. Device: NI	Dyke Inspection: NI	Seepages: A
Dams, Dykes: A	Freeboard: NA	Spills: NI
Construction: NA	O&M Plan: A	A&R Plan: NI
Periods of Discharge: Con.	Effluent Discharge Rate: 2 mega litres per day	

Comments: Sewage from the community is run through a waste water treatment plant that removes the solids from effluent before discharge to Frobisher Bay. Separated solids (sludge) are transported every two days to the Municipal land fill. Plant in operation and well maintained. Emergency lagoon was recently decanting. Final set of test results are pending submission. City to produce a sludge management plan as part of application for renewal, site was found to be in working order and well maintained.

Solid Waste: Metal wastes are segregated from municipal wastes. Haz mat area remains an issue

Owner/Operator: City of Iqaluit

Landfill: U	Burn & Landfill: NA	Other: Bulk metals area
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Comments: The Municipal land fill is nearing capacity. The City is not burning wastes. Wastes are processed through a shredder and layered over the ground surface. The mounds of shredded waste are now over 25 meters high. Water management in the facility continues to be an issue. A plan to address this was submitted by the City and work is scheduled for this season. Metals have been shredded and compacted for shipment off site. Shipment and work at shredding metals is scheduled to take place again this year. This will increase the overall capacity of the facility once these materials have been removed. Hazardous waste including batteries are stored separately and will also form part of the shipment off-site this year.

FUEL STORAGE: A number of drums are stored on site. The contents are not known.

Waste Oil Storage: None **Owner/Operator:** unknown

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

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

SURVEILLANCE NETWORK PROGRAM (SNP)

Samples Collected		Owner /Operator: 4 sets as required	
INAC: 3 samples		INAC: Potable water source, Effluent discharge, leachate off landfill	
Signs Posted	SNP: none		Warning: present as required
Records & Reporting: Records were on site and available for review by the inspector.			
Geotechnical Inspection: N/A			

Non-Compliance of Act or Licence:

The City of Iqaluit continues to shred solid wastes and the solid waste facility. Options and alternatives to this process must be included within the application for renewal process and in conjunction with the Government of Nunavut’s solid waste management study currently underway.

The City must take measures to address hazardous materials storage within the Waste Management Area and look for opportunities to ship materials of this nature off site and to a licensed treatment facility.

Waste Water management at the Land fill is to be addressed this season and the results are to form part of the 2010/11 Annual report. An investigation on the options for treatment of waste water run-off should form a part of any work done to the Waste Management Area.

The City continues to work hard toward achieving compliance with the License and Act.

A.Keim

Inspector’s Name

Sent by E-mail

Inspector’s Signature