

WATER USE INSPECTION REPORT

Date: October 13,2009	Licensee Rep. (Name/Title): Meagan Leach P.Eng., Chris Callahan, Jeff MacMunn, Paul Clow, Rob Hogan
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	

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: U	Conveyance Lines: NI	Pumping Stations: A	Screen : NI

Comments: Facility clean and in good order. One UV unit remains off line however the CPU has been shipped south for repairs and parts have been ordered for repairs. . Chemical storage in building has seen vast improvement with chemicals stored within spill barriers. Leaks in Dam continue. The City is to produce the Dam Engineers report for review by the Inspector within 7 days of the Inspection.

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 is back in operation after 10 days of repairs and maintenance. Emergency lagoon is to be held till the 21st of October before a planed decant is to be undertaken. Records of testing and discharge volumes were on site and available for review. Sampling results from the last decant are to be supplied once available.

Solid Waste: Metal wastes are segregated from municipal wastes. Haz mat area was found present
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 continue to be processed through a shredder and layered over the surface. Water management in the Facility continues to be an issue. A plan to address this was recently submitted after a uncontrolled release of ponded water occurred in September. This spill was reported to the spill line. Dams and berms within the facility require up-grading and monitoring. Fencing continues to be an issue. Metals are shredded and compacted for shipment off site. This will increase the overall capacity of the facility once these have been removed. Hazardous waste has been relocated to a haz mat storage area which is unlined. Chemical storage within the Waste Management area requires an up-dated spill plan to be supplied within 7 days of the Inspection.

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	
3	INAC: Potable water source, Effluent discharge, Retention pond	
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		

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Non-Compliance of Act or Licence:

The City is continuing to work on achieving compliance with the License and Act. A plan to better manage Waste Water within the Land has been submitted to the Inspector and will be forwarded to the Nunavut Water Board.

Regular maintenance at the Municipal Waste Water treatment Plant has greatly improved and while the Emergency lagoon was required twice this past year to deal with shut downs the effluent was contained and not released to the environment.

The Potable water treatment plant was found to be operating as intended.

A.Keim

Inspector's Name

Sent by E-mail

Inspector's Signature