

MUNICIPAL WATER USE INSPECTION FORM

Date: July 27, 2011	Licensee Rep. (Name/Title): Brian Flemming –SAO, Adrian Dascalescu CG&S Muni- Tech services Officer
Licensee: Hamlet of Igloolik	Licence No.: 3BM-IGL0911 – Expires July 31 2011

Comments:
INAC Inspector and representative from CG&S Government of Nunavut met with Brian Flemming prior to the inspection. Mr. Flemming informed the inspector that not a great deal had changed from last year however he expected work on the Solid Waste management area, Construction of two new retention cells on the Lagoon and the expansion of the community reservoir to begin next year. During the inspection representatives from a consulting firm doing geotech work on the reservoir met.

The SAO confirmed that sampling had not been completed and that an annual report was not available for review.

The SAO was aware that the Water License for the municipality was about to expire and advised that a notification regarding the work scheduled and the application for renewal were to be submitted by the GN.

WATER SUPPLY

Source(s): South Lake	Quantity used:
Owner:/Operator: Hamlet of Igloolik	

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

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

Comments: During the Inspection of the Water Intake and Pumping Station the Inspector noted the following;

- Hamlet staff were not available to take part in the Inspection
- No Annual Reports have been filed by the licensee
- Signage has been installed at the pumping station
- Truck sampling records were available for review, some discrepancies were noted in the records
- Work on enlarging the reservoir (geo tech investigation) was underway during the Inspection
- Applications for renewal/ construction were not found on the NWB FTP site

WASTE DISPOSAL

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

Natural Water Body: No	Continuous Discharge (land or water): Ex-filtration to land	
Seasonal Discharge: No	Wetlands Treatment:	Trench: None

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

Discharge Quality: UK	Decant Structure: NA	Erosion: U
Discharge Meas. Device: U	Dyke Inspection: NA	Seepages: U
Dams, Dykes: U	Freeboard: A	Spills: NI
Construction: None	O&M Plan: U	A&R Plan: U(Not on FTP site)
Periods of Discharge: Cont.	Effluent Discharge Rate: Unknown	

Comments: During the Inspection of the Waste Water Treatment Lagoon(s) the Inspector noted the following;

- Operations and Maintenance manuals for the Lagoon cell system have not yet been provided the Board (Not on FTP site)
- Sampling has not been undertaken as required by the monitoring program
- Decanting procedures between cells is not being done. Each cell is decanted directly to the environment
- Stress cracks and erosion on dyke walls (interior and exterior) noted.
- The two cells closest to town had obvious flows exiting from the toe of the berm

Solid Waste: Municipal solid waste site Owner/Operator: Hamlet of Igloolik

Landfill: Y	Burn & Landfill: Y	Other: Metals dump
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Comments: During the Inspection of the Solid Waste Management Facility the inspector noted the following;

- Submission of an Operation and Maintenance Manual for the Solid Waste Disposal Facilities in accordance with “Guidelines for Preparing an Operation and Maintenance Manual for Sewage and Solid Waste Disposal Facilities” (October 1996) remains outstanding

- Metal wastes within the facility are segregated into piles in most places
- A hazardous waste section with a liner was installed within the facility
- The secure storage of waste Batteries within the facility must be addressed
- Drums of waste oils and other fluids were stored in a separate Waste Management Area but were not placed on a liner. Spills were noted in both locations that must be addressed
- The Municipal waste management area has signage / warnings
- Water running through and off the facility is not contained or managed in any way
- Cover and fencing for the Municipal Waste Management Area are required to properly manage wind blown debris (ejection) and run off.

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	

Waste Oil Storage: Two storage areas for Hazardous Wastes (Batteries and Waste Oil) were noted. The Batteries must be properly segregated and contained in a safe manner and spills of waste oil are to be contained and contaminated soils consolidated for removal or treatment.

SURVEILLANCE NETWORK PROGRAM (SNP)		
Samples Collected	Owner /Operator: No sampling results have been submitted to date	
3	INAC: Potable water source, Effluent, Leachate	
Signs Posted	SNP: None	Warning: Present
Records & Reporting: Records of daily checks and sampling at Water Treatment and Waste Water Treatment Facilities were provided during the period of Inspection but appeared to be incorrectly filled out.		
Geotechnical Inspection: N/A		

Non-Compliance of Act or Licence: The Inspector noted the following:

- None of the required Annual Reports have been filed with the Nunavut Water Board. As such the Licensee is found to be working outside of the terms of the issued Water License and is out of compliance.
- None of the required sampling has been undertaken by the licensee. Records are not available for review and up-dated plans and manuals have not been filed with the Nunavut Water Board.
- Work on construction and modification to existing facilities is expected over the next year. It is unclear what reports or submissions have been sent to the Nunavut Water Board. None of the work discussed during the Inspection appears on the Nunavut water Board FTP site. None of the required plans or reports as required under the current license have been filed with the NWB to date.
- Lack of fencing around the Municipal Waste Management Area remains an issue.
- The Licensee has failed to submit a Compliance Plan with the 2010 Annual report as required by the Inspector. None of the supporting documentation for an application for renewal of the water license could be located on the NWB FTP site.
- The Licensee has undertaken to segregate Hazardous wastes and to manage the waste stream into the Municipal facilities since the period of the last inspection.

It is the recommendation of the Inspector that compliance actions be undertaken, and that such actions enjoin all parties involved in the process to ensure future compliance with the legislation.

A.Keim

Inspector's Name

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

Inspector's Signature

Bernie MacIsaac- A/Manager Field Operations
Phyllis Beaulieu – Manager Licensing- Nunavut Water Board

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