

MUNICIPAL WATER USE INSPECTION FORM

Date: July 14, 2011	Licensee Rep. (Name/Title): Micheal Pingle COA- Kam So CG&S Muni- Tech Services Officer
Licensee: Hamlet of Kugaaruk	Licence No.: 3BM-PEL0712

Comments: SAO in the community is new to position, he was the finance officer for a period of time prior to SAO leaving the community. Hamlet foreman was on days off and asst foreman was unsure of what was required. Cooler was found still at air cargo. Adjacent to the airport airstrip were a large number (300 plus) of barrels that were not contained on Secondary Containment. Most belonged to exploration companies and expire this year. Drill components and heaters were also noted. CG&S representative left to take a conference call and did not participate for this portion of the morning Inspection.

WATER SUPPLY

Source(s): Kugajuk River	Quantity used: Unknown- 12,215,952.57
Owner:/Operator: Hamlet of Kugaaruk	

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

Intake Facilities: A	Storage Structure: NA	Treatment System: A	Chemical Storage: NI
Flow Meas. Device: A	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 for the 2010 year
- No signage has been installed at the pumping station.
- Water usage records were available and reviewed
- Truck sampling records were incomplete and reflect inconsistent sampling. Three weeks of information was missing
- The Government of Nunavut Department of Community Government and Services had not knowledge of the facility and could not provide any technical information any compliance work undertaken by the community or CG&S.
- Chemicals were all stored at Pump house, no safety equipment was noted within the facility for staff mixing the chlorine.

WASTE DISPOSAL

Sewage: Sewage Treatment System		(Prim./Sec/Ter.): Primary and secondary cells	
Natural Water Body: No	Continuous Discharge (land or water): to land		
Seasonal Discharge: Yes	Wetlands Treatment: N	Trench: None	

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

Discharge Quality: NI	Decant Structure: A	Erosion: A
Discharge Meas. Device: U	Dyke Inspection: NI	Seepages: A
Dams, Dykes: NI	Freeboard: A	Spills: NI
Construction: None	O&M Plan: A	A&R Plan: U
Periods of Discharge: Seasonal	Effluent Discharge Rate: Unknown	

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

- The Waste Water Lagoon in the community newly constructed
- Decanting of the lagoon has not yet occurred this year
- It is unclear if the second cell was decanted last year as none of the sampling results nor annual report have been filed by the licensee.
- Lack of Signage/ Warnings also continues to be an issue
- Sampling has not been undertaken as required by the monitoring program

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

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;

- Plans for the Operation and Maintenance of 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) were submitted by Dillon. It is unclear if there have been modifications or changes to the operations within the community as an Annual report has not been submitted.
- Metal wastes within the facility are segregated into piles in the facility. A battery pile (no secondary

containment or cover) was also noted. Cells for the containment of barrels were noted as breached with no barrels inside them.

- Barrels and other waste stored on a second site.
- The Municipal waste management area had some signage as noted by the Inspector
- Water running through and off the facility is not contained or managed in any way

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: No hazardous wastes containment areas (with proper containment) exist within the community, Barrels were found adjacent to the waste metals area. Waste oil was burned off in the community in 2008 or 2009 but it is unclear if a waste oil furnace has been installed to address the build up of these materials.

SURVEILLANCE NETWORK PROGRAM (SNP)

Samples Collected		Owner /Operator: No sampling results have been submitted to date	
2		INAC: Potable water source, Leachate	
Signs Posted	SNP: Some		Warning: None
Records & Reporting: Records of daily checks and sampling at Water Treatment and Waste Water Treatment Facilities were found to be incomplete during the period of Inspection.			
Geotechnical Inspection: N/A			

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

- The Annual Report for 2010 has not been filed with the Nunavut Water Board.
- 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.
- In 2010 the Licensee was directed to provide a Plan for Compliance to the Nunavut Water Board and the Inspector. This Plan has not been filed as required.
- It is unclear what efforts if any the Licensee has undertaken over the past year to come into compliance with the Act or expired license.

It is the recommendation of the Inspector that further 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

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

Contact Information:

Andrew Keim
Water Resources Officer
Building 918 – Box 100
Iqaluit, Nunavut XOA OHO
867-975-4289 Ph
867-979-6445 Fx
Andrew.Keim@ainc-inac.gc.ca