

WATER USE INSPECTION REPORT FORM

CIDM# 429038

Date: July 9, 2010	Licensee Rep. (Name/Title): Ms.Chris Mann ( Dir of Finance)
Licensee: Hamlet of Kugaaruk	Licence No.: 3BM-PEL0712

WATER SUPPLY

Source(s): Kugajuk River	Quantity used: Unknown – No records could be found
Owner:/Operator: Hamlet of Kugaaruk	

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

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

**Comments:**  
During the Inspection the keys to the pumping station could not be located. Earlier this year the pumping station had a fire. It is unclear if the source water is being treated with chlorine or if Bleach is being added.

Records could not be located at the Hamlet garage and the chlorine testing kits were not being used. A 45 gallon drum for garbage was located at the pump house. Samples were collected from the river adjacent to the intake.

WASTE DISPOSAL

**Sewage:** Sewage Treatment System (Prim./Sec/Ter.): Primary and secondary cell/ overland flow

Natural Water Body: No	Continuous Discharge (land or water): seepage	
Seasonal Discharge: Yes	Wetlands Treatment: unknown	Trench: None

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

Discharge Quality: U	Decant Structure: U	Erosion: NI
Discharge Meas. Device: U	Dyke Inspection: NI	Seepages: U
Dams, Dykes: NI	Freeboard: A	Spills: A
Construction: NI	O&M Plan: U	A&R Plan: U
Periods of Discharge: NI	Effluent Discharge Rate: Unknown	

**Comments:**  
Effluent is released into a new Lagoon. Decant was scheduled for spring and fall however the discharge pipe is frozen. Below the level of the primary cell a secondary cell has been constructed to contain seepages from the toe of the primary cell. A discharge or decanting pipe is not installed in the lower cell so it is assumed that effluent flows through the wall of the second cell and down gradient to the ocean. No flow was noted during the inspection so no samples were collected.

**Solid Waste:** Non-combustible waste area and municipal waste management areas.

**Owner/Operator:** Hamlet of Kugaaruk

Landfill: A- some segregation	Burn & Landfill: U	Other: needs segregation
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**Comments:**  
Some segregation noted. A location for batteries was found in the Municipal Waste Management Area. A site for the storage of barrels was also found. The walls had been breached and water allowed to flow off site. No barrels were noted within the containment.

The MWMA requires proper management and waste reduction activities (burning). The site has not been burned in some time. On the far side of the waste management area outside the fence a stream from the berm wall was located and found to be flowing off site to the ocean. (SNP station was located). This was sampled. The Municipality must take steps to control the flow of waste water from the waste management area off site.

Another site containing bulk wastes and metals was noted. Barrels of waste oil and batteries were also noted in this site.

The unknown red power substance found previously was found to have oxidized and turned a metallic green color and hardened into hard packed clay. This material has not been contained and is open to access by the public.

FUEL STORAGE:

Waste Oil Storage: Noted in metals area      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	

SURVEILLANCE NETWORK PROGRAM (SNP)

Samples Collected: 0	Owner /Operator: No samples from Municipality have been submitted	
Samples Collected: 2	INAC: Potable- River , Dump Leachate	
Signs Posted	SNP: some	Warning: None noted.
Records & Reporting: None of the license requirements for reporting have been complied with to date.		
Geotechnical Inspection: N/A		

**Non-Compliance of Act or Licence:** The Municipality has not undertaken the actions required to bring themselves into compliance with the issued license.

The Municipality must submit with their 2010 annual report a Plan for Compliance, outlining what specific actions they will undertake to bring themselves into full compliance by the period of the next inspection.

This will be included in the formal report on the inspection.

A.Keim

Inspector’s Name

Sent by E-mail

Inspector’s Signature

