

WATER USE INSPECTION REPORT

Date: August 6, 2009	Licensee Rep. (Name/Title): Dennis Zettler –SAO: Hugh Nateela –Municipal Maintainer
Licensee: Hamlet of Baker Lake	Licence No.: Expired – Unlicensed

WATER SUPPLY

Source(s): Baker Lake		Quantity used: Meter reading: 6344240 l	
Owner:/Operator: Government of Nunavut		Treatment systems operated by Public works, GN	
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: A	Pumping Stations: A	Screen : NI

Comments: The Government of Nunavut, Dept. of Public Works provides the oversight and drinking water treatment services for the community. Government of Nunavut staff member Mr. Jeromie Singati was available to provide access to the pumping station for inspection. Water Samples were collected.

WASTE DISPOSAL

Sewage: Sewage Treatment System (Prim./Sec/Ter.): Primary cell and wetlands treatment

Natural Water Body: No	Continuous Discharge (land or water): seepages	
Seasonal Discharge: NA	Wetlands Treatment: Y	Trench: None

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

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

Comments: Sewage from community is discharged into a ditch which flows into a low walled hollow or Lagoon. The level of sewage in the Lagoon was very high and overtopping the walls of the hollow. This results in a continual flow from the Lagoon down gradient through an obvious channel to a small lake. From this lake effluent travels again down gradient to a marshy area and via a culvert to a second lake. Samples were collected at the culvert. From the second lake a lowland valley channels the effluent to a final lake and discharge to Baker Lake. The Municipality must raise and support the walls of the Lagoon to ensure sufficient holding time prior to discharge to the environment.

Solid Waste: Hazardous waste noted in both the Municipal waste area and metal waste areas.

Owner/Operator: Hamlet of Baker Lake

Landfill: U – haz waste not contained	Burn & Landfill: U	Other: Barrels of unknown liquids noted leaking in area.
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Comments: Both the municipal waste management area and bulk metals area have hazardous waste within them. Batteries were noted in the municipal waste as were barrels of waste oil. Over 1000 drums of waste oil and other unknown fluids were noted in the bulk metals waste area. None of these hazardous materials were contained on secondary containment. Municipality must address the sorting, segregation and containment of hazardous wastes from mining and exploration camps taken in by the municipality.

FUEL STORAGE:

Waste Oil Storage: Noted in waste management 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: 4	INAC: Potable, Effluent discharge, Out fall, Dump Leachate	
Signs Posted	SNP: None	Warning: Some signs were noted
Records & Reporting: No records of water usage, waste discharge, annual reports, manuals, sampling results have been submitted at the time of the inspection.		
Geotechnical Inspection: N/A		

Non-Compliance of Act or Licence: The Hamlet of Baker Lake water license expired in 1999. The Community of Baker Lake continues to operate in contravention of those terms and conditions contained within the now expired license as well as those contained with the Nunavut Water and Nunavut Surface Rights Tribunal Act. Hazardous wastes including battery acid, fuel and waste oil were noted leaking within the waste management area.

A.Keim

Inspector's Name

Sent by E-mail

Inspector's Signature