



WATER USE INSPECTION REPORT

Date: Sep 8, 2011	Licensee Rep. (Name/Title): Moses Novalinga (Hamlet Foreman), Adrian Dascalescu (CGS)
Licensee: Hamlet of Sanikiluaq	Licence No.: 3BM-SAN0308

WATER SUPPLY

Source(s): Sanikiluaq Lake	Quantity Permitted: 34,000 m ³ Annually
Owner/Operator: CGS as operator on behalf of Hamlet	

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

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

Comments: Water for the municipality is taken from Sanikiluaq Lake and treated with chlorine before being distributed to the residents. Pumphouse is less than one year old and is clean and in good condition. However, record keeping for water usage and chlorine treatment is non-existent.

- Fencing required around portion of the potable water lake
- Electronic chlorine pump for water treatment is not working properly; chlorine has to be manually added to each truck load. No records of water usage or chlorine treatment available.
- Filters for the water treatment not working properly. No filters onsite, waiting for a new order of filters to come in.
- No fish screens in place for the potable/raw water intake. Fish and other debris entering the pumphouse.

WASTE DISPOSAL

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

Natural Water Body:	Continuous Discharge (land or water): Yes	
Seasonal Discharge:	Wetlands Treatment: Some	Trench:

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

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

Comments: The sewage lagoon does not have sufficient capacity and overtopping happens frequently. Berms will have to be constructed to increase retention time as well as providing some treatment before the sewage effluent enters the wetland and finally discharges to the ocean.

- Insufficient freeboard for the lagoon.
- Overtopping has occurred frequently - Usually each spring.
- Offloading area for sewage trucks have eroded and different areas are being used to offload; this is unacceptable and should not continue.
- Wind blown garbage in the lagoon.

Solid Waste:

Owner/Operator: Hamlet

Landfill:	Burn & Landfill: Yes	Other:
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Comments:

- A couple of areas are being used to dump garbage. One is fenced and is permitted under the water licence and the other (not permitted) is mainly construction materials from companies that work in Sanikiluaq.
- There is alot of wind blown garbage out side of the fenced dump area.
- Scrap metals, vehicles, tires etc stored outside of the fenced area at the back of the dump.

FUEL STORAGE:

Waste Oil Storage:

Owner/Operator: Hamlet

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

Berms & Liners: U	Water within Berms: NI	Evidence of Leaks: U
Drainage Pipes: NI	Pump Station & Catchments Berm: NI	
Pipeline Condition: NI	Condition of Tanks: NI	

Comments:

- Hazardous waste improperly stored i.e waste oil with no cover. There is no liner where the waste oil is stored and oils are being spilled on the ground.

SURVEILLANCE NETWORK PROGRAM (SNP)

Samples Collected		Owner /Operator:	
1		INAC:.SAN-1 (Raw water Intake)	
Signs Posted	SNP:		Warning:
Records & Reporting:			
Geotechnical Inspection:			

Non-Compliance of Act or Licence:

- The Hamlet water supply is poorly managed and operated. Lack of filters, record keeping for water usage and chlorine usage and no fish screens are unacceptable and should be address as soon as possible.
- There is insufficient freeboard and retention time for the lagoon and therefore lacking any treatment of sewage before it enters the wetland and eventually discharging to the ocean.
- Hazardous waste storage is unacceptable; there are numerous open barrels of waste oil and no liner which is a concern.
- No management of landfill; materials are not segregated and dumping is occurring outside of the fenced landfill.

Ian Rumbolt

Inspector's Name

Sent by E-mail

Inspector's Signature