

WATER USE INSPECTION REPORT FORM

Date: July 22, 2011	Licensee Rep. (Name/Title): Janice Anderson- SAO, David Watsko- Hamlet foreman, Adrian Dascalescu- Muni Tech Officer	
Licensee: Hamlet of Grise Fiord		Licence No3BM-GRI0911 (exp. July 31 2011)

Comments: The Senior Administrative Officer was out of the community at the time of the Inspection. Senior hamlet foreman David Watsko was also away from the community during the period of the Inspection. A vehicle was provided; Mr. Dascalescu accompanied the Inspector on the Inspection. Weather was overcast and got progressively worse for the remainder of the day.

WATER SUPPLY

Source(s): Glacial Melt	Quantity used: Unknown
Owner:/Operator: Hamlet of Grise Fiord	

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

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

Comments: Melt water from the glacier and snow cover is collected in a ditch and gravity fed to community storage tank. The bottom of the ditch remains unlined and garbage has continued to build up in the facility. This was to have been undertaken by the licensee before the current inspection

The Licensee has enlarged/ created an overflow / secondary area for overflow from the primary ditch to overflow into thus increasing the holding capacity of the collection facility. It is unclear if this modification to the intake was submitted to the NWB as an Annual Report for 2010 can not be located.

The installation of a fence was also discussed as a priority for the Municipality to protect the quality of the Source pond.

WASTE DISPOSAL

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

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

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

Discharge Quality: A	Decant Structure: A	Erosion: A
Discharge Meas. Device: NA	Dyke Inspection: NI	Seepages: A
Dams, Dykes: A	Freeboard: A	Spills: None reported
Construction: NI	O&M Plan: U – Not submitted	A&R Plan: A Not Submitted
Periods of Discharge: Seasonal	Effluent Discharge Rate: Unknown	

- Comments:** During the Inspection the Inspector noted the following;
- Decant had been completed earlier in spring, a second decant will be completed in autumn
 - Sampling results have not been provided
 - Samples were collected

SOLID WASTE:

Landfill: on site	Burn & Landfill: on site	Other: Hazardous wastes present on site
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- Comments:** During the period of Inspection the following was noted by the Inspector;
- Waste Management Areas show some basic segregation. Wood and Municipal wastes are in one section while metals are in another
 - Drums of unknown waste products and an oily substance were found within the facility, turned on their sides and leaking into a stream that flows down gradient to the fiord. The oil was traced downhill to the ocean
 - Batteries, broken, cracked and whole were found scattered throughout the facility
 - Hazardous materials are not secured.

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	

Berms & Liners: NI	Water within Berms: NI	Evidence of Leaks: NI
Pipeline Condition: NI	Condition of Tanks: NI	

Waste Oil Storage: In solid waste area – found leaking into stream

SURVEILLANCE NETWORK PROGRAM (SNP)

Samples Collected	Owner /Operator: None submitted	
3	INAC: Leachate from stream with drums, Potable source, Effluent	
Signs Posted	SNP: Posted at sampling sites	Warning:
Records & Reporting: Annual reporting has not been submitted		
Geotechnical Inspection: Not submitted as required		

NON-COMPLIANCE OF ACT OR LICENCE: The Inspector noted the following issues;

- Waste oil barrels and barrels of other unknown liquids were found to be overturned and in a number of cases leaking directly in a stream that flows directly down grade into the fiord.
- The Licensee must submit their 2010 annual report
- The Licensee is reminded that their license expires in 2 weeks and an application for renewal has not been submitted as required.
- The Licensee is required to take such steps as are required to protect the integrity of the Potable source in-take pond.

It is of concern that, given the condition of the Solid Waste Management Area, that regular inspections and maintenance work have not been carried out and that the proper segregation and containment of Hazardous wastes are not being carried out as required by the License. The obvious leaking from these drums flowing down gradient from the drums is clearly a contravention of the license as well as other Legislation.

As such an **Inspectors Direction** will be issued to the Hamlet of Grise Fiord to immediately;

- Take such actions as are required to stop the barrels from leaking into the environment
- Put in place a containment system to prevent further releases from these drums
- Take such steps as required to mitigate the release of hydrocarbons into the environment along the identified flow path, down gradient into the ocean
- To provide to the Spill line a report on the release and regular up-dates on progress
- To provide to the Inspector and the Nunavut Water Board a report (with photos) within 30 days that details the clean up efforts and confirms that the barrels of material are no longer leaking and in a contained area

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

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