

WATER USE INSPECTION REPORT FORM

CIDM# 429138

Date: July 26, 2010	Licensee Rep. (Name/Title): Mike Richards (SAO)
Licensee: Municipality of Pond Inlet	Licence No.: 3BM-PON1012

WATER SUPPLY

Source(s): Adjacent River	Quantity used: Unknown
Owner:/Operator: Municipality of Pond Inlet	Pump station off line (generator down)

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

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

**Comments:** Water is collected into a reservoir lake from the river. At the time of the Inspection the Pumping station was off-line and the community was collecting water from the reservoir lake by truck and adding bleach directly to the truck. This has been going on for over a month as the community awaits parts for the Pumping Station. Residual and free chlorine records were found at the hamlet garage and were up to date.

It was noted that every truck was not being tested daily. It is recommended that while the pumping station is off line each truck should be tested on a daily basis.

Water was not transferred from the river to the reservoir lake last year. It is unclear if water will be drawn from the river in September 2010. If this is undertaken water use is to be recorded and submitted in the Annual Report.

WASTE DISPOSAL

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

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

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

Discharge Quality: NI	Decant Structure: U	Erosion: None
Discharge Meas. Device: NA	Dyke Inspection: NI	Seepages: North and south walls
Dams, Dykes: U	Freeboard: A	Spills: None
Construction: NI	O&M Plan: U	A&R Plan: U
Discharge: U	Effluent Discharge Rate: Unknown	

**Comments:**  
The Community sewage lagoon is leaking from the south east corner. A large pool of effluent has built up across the road from the lagoon. This Lagoon has been leaking for the last two or three years. This has been brought to the attention of the Municipality and the Government of Nunavut’s Department of Community and Government Services Department representatives who are acting on behalf of the Licensee.

In discussions on site, the Government of Nunavut CG&S representative informed the Inspector that the plan to address the leak in the lagoon is to hire a consultant to come to Pond Inlet, determine where and why the lagoon is leaking and develop a plan to address the leak. This work will be completed in 2009 and a report submitted to the Inspector and the Nunavut Water Board. Work to repair the lagoon is expected to take place next year.

The decant structure is frozen and remains inoperable.

**Solid Waste:** Haz- mat storage, land fill, bulk metal wastes and Land farm in same area

**Owner/Operator:** Municipality of Pond Inlet

Landfill: U	Burn & Landfill: A	Other: Land farm
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**Comments:**  
As noted in 2009 the Hazardous Materials storage (1 sea-can) requires a liner and proper segregation. The sea-can is now full of leaking and broken batteries and other hazardous materials. The build up of propane tanks outside the sea-can is also of concern to the Inspector. It is recommended that the Sea-can be re-organized, lined and shipped off-site as soon as possible.

Waste oils barrels in the Waste oil containment area are leaking. Barrels are stored improperly and in some cases leaking. It was also noted that this year there appears to have been an influx of barrels from an unknown source. Some of these barrels contain unknown liquids and other contains both metal waste, ash and other unknowns. None of these drums are properly stored on a liner and some continue to leak as noted in 2009. It is likely that these leaks are entering water and migrating off site.

The Bulk Metals Area requires sorting and proper water management measures to be undertaken. This is the third year the Inspector sampled from a large pool of water within the Bulk Metals area directly below the Bulk Waste Area sign.

The Land farm has been constructed. The facility has had contaminated soils brought in already. There is no sign of treatment or work on-going and when questioned about the facility, the hamlet foreman was unclear on what was expected of him or his staff to work the soils. When questions regarding the Operations and Maintenance Manual for the facility he indicated he had not seen one.

The Municipal burn and bury area requires cover material to be used to cover burned materials. Currently the municipal garbage is burned and then pushed over by hamlet equipment. However no cover material is spread across the top. This results in garbage and other material being ejected over the fence and outside the facility. The Operations and Maintenance Manual should address this however it could not be located during the Inspection.

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: Unknown	

SURVEILLANCE NETWORK PROGRAM (SNP)

Samples Collected		Owner /Operator: Collected samples in 2009	
3		INAC: Seepage from leak in lagoon, Leachate and potable.	
Signs Posted	SNP: Present		Warning: Signage present
Records & Reporting: records to be provided in annual report			
Geotechnical Inspection: N/A			

Non-Compliance of Act or Licence:

The Municipality has a number of issues that require their attention. These include;

- Leakage of effluent from the sewage lagoon.
- Waste oil seeping from barrels and leaching off site.
- Improper storage of barrels.
- Segregation of bulk metals.
- Segregation of hazardous wastes.
- Up-dated Operations and Maintenance Manuals.
- Submission of the Outstanding Compliance Plan.
- Submission of an application for renewal of the soon to expire Water License, including the required annual reports and Plan for Compliance.

The Municipality must address these issues to bring themselves into compliance with the License issued to them by the Nunavut Water Board.

A.Keim

Inspector’s Name

Sent by E-mail

Inspector’s Signature

