MUNICIPAL WATER USE INSPECTION FORM

Date: July 26, 2011	Licensee Rep. (Name/Title): Marjorie Dobson- SAO, Jonah Koonark- Hamlet	
	Maintainer & Adrian Dascalescu- Muni Tech Officer	
Licensee: Hamlet of Pond Inlet		Licence No.: 3BM-PON1012

Comments: In discussions with the Hamlet SAO and GN representative the Inspector identified that the following information and required plans remain outstanding;

- a) E3 Sewage Lagoon as-built plans and drawings, signed and stamped by an engineer
- b) F1 Solid Waste Disposal Facilities Update Report
- c) F2 Consolidated OM Manual
- d) G1 AR Plan for old sewage lagoon and temporary sewage disposal facility

A copy of the Compliance Plan was reviewed during the meeting and a number of the short term goals that were being addressed were identified by the licensee including;

- a) Segregation of waste streams
- b) Banding of waste metals
- c) Regular / daily chlorine sampling of each water truck has been undertaken

The SAO was able to provide Water usage records for review during the meeting.

WATER SUPPLY

Source(s): Salmon River /Reservoir	Quantity used: 19,100,650.1 L
Owner:/Operator: Hamlet Pond Inlet	

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

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

Comments: During the Inspection of the Water Intake and Pumping Station the inspector noted the following;

- Jonah Koonark was present and participated in the Inspection
- Personal protective equipment was noted on site
- Chlorine testing and Truck sampling records were available for review at the Maintenance Garage
- Water level is very low in Reservoir Lake; recharge from Salmon River will occur in late August/ Sept.
- Truck fill pumping station is back on-line
- Pump House meter read: 577679900
- Chlorine stored at Maintenance Garage

WASTE DISPOSAL

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

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

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

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

Comments: During the Inspection of the Waste Water Treatment Lagoon(s) the inspector noted the following;

- The old Waste Water Lagoon was in use by the community but they are now again using the new Lagoon which is still leaking
- The Inspector sampled the effluent outside the Lagoon
- The GN representative on site could provide no information. The Regional Engineer was called and asked to participate in the Inspector of the Pond Inlet facility. The R.E provided the following Information;
 - A report on the options available to the GN to repair the existing facility has been received
 - Once the options are reviewed a decision on next steps will be communicated to the community and the Board
 - o The Inspector has requested a copy of the report while on site during the inspection

Solid Waste: Municipal solid waste site Owner/Operator: Hamlet of Pond Inlet

Landfill: Y	Burn & Landfill: Y	Other: Battery Storage
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Comments: During the Inspection of the Solid Waste Management Facility the inspector noted the following;

- The Municipal burn and bury facility for Municipal waste requires additional cover material as burned garbage and debris were noted blowing around and being ejected from the facility.
- Batteries were found secured in the sea-can provided however the batteries are not stacked and

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secured in the sea-can, The can if full of other wastes as well as leaking and broken batteries. The sea-can must be reorganized and secured

- It is still unclear what haz mat will be shipped out of the community
- In the waste metals facility used home oil tanks and other vehicles have been placed in the facility since the last inspection. At the normal sampling point an obvious sheen of hydrocarbons was noted and the smell of fuel was very strong
- Some sorting of waste metals was noted by the inspector
- The Land farm facility remains unfenced however the materials were noted on site. It was also noted that the liner on the North West wall was torn from entry into the facility by Heavy Equipment. No records were available for review on the total quantity of contaminated soils being deposited into the facility or the testing or sampling that was to be undertaken

FUEL STORAGE: Owner/Operator: Government of Nunavut

Indicate: A - Acceptable	U - Unacceptable NA - Not App	olicable 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	

<u>Waste Oil Storage:</u> Waste oil originally stored in the unlined waste oils area was found to be leaking into ponded water adjacent to the fenced in area. Drums are scattered through the facility and leaks can be seen throughout. The facility should have a liner and barrels stacked and sorted properly.

SURVEILLANCE NETWORK PROGRAM (SNP)

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Samples Collect	cted	Owner /Operator: No water sampling results have been submitted to date	
3		INAC: Potable water source, Effluent, Dump run off (leachate)	
Signs Posted	SNP: All Posted Warning: All Posted		Warning: All Posted
Records & Reporting: Records of daily checks and sampling at Water Treatment were found. Annual report for 2010 has not been filed. Sampling of the Contaminated Soils area has not been undertaken as yet.			
Geotechnical Inspection: None			

Non-Compliance of Act or Licence: The Inspector notes the following;

- The Licensee or their representative has not yet provided the following to the Nunavut Water Board;
 - o Sewage Lagoon as-built plans and drawings, signed and stamped by an engineer
 - Solid Waste Disposal Facilities Update Report
 - o Consolidated OM Manual
 - Abandonment and Restoration Plan for old sewage lagoon and temporary sewage disposal facility
- Annual report for 2010 has not been filed
- Sampling for 2010 and 2011 have not been undertaken
- The Licensee has made some progress toward compliance issues noted in the Compliance Plan however a great deal remains left to be done. The Licensee's representative must provide the information required by the board in a much more timely fashion as the delays exhibited with this file put the licensee into Non-compliance and at risk of further enforcement actions.

Inspector's Name	Inspector's Signature
A.Keim	Sent by E-mail (Original signed and on file)

Cc:

Bernie MacIsaac- A/Manager Field Operations

Phyllis Beaulieu - Manager Licensing- Nunavut Water Board

Indian and Northern Affaires Indiennes Affairs Canada et du Nord Canada

Contact Information:

Andrew Keim
Water Resources Officer
Aboriginal Affairs and Northern Development Canada
Building 918 – Box 100
Iqaluit, Nunavut XOA OHO
867-975-4289 Ph
867-979-6445 Fx
Andrew.Keim@ainc-inac.gc.ca