

MUNICIPAL WATER USE INSPECTION FORM

Date: July 25, 2011	Licensee Rep. (Name/Title): Sam Willie – Hamlet Foreman & Adrian Dascalescu- Muni Tech Officer
Licensee: Hamlet of Arctic Bay	Licence No.: 3BM-ARC0810 – Expired

**Comments:**  
On December 2, 2010 the NWB received the required **Plan for Compliance**, as submitted by the Government of Nunavut Community Government Services (GN-CGS) on behalf of the Hamlet of Arctic Bay as required by Part B Item 10 of water license 3BM-ARC0810. The NWB tentatively approved the Plan for Compliance on May 6, 2011 subject to a set of conditions which specifically included the requirement for the Licensee to submit, to the Board for approval, a Final Abandonment and Restoration Plan for the existing Sewage Disposal Facility which was originally due on December 31, 2010. This Plan, to date, has not yet been submitted to the Board.

During the Inspection no information was provided by the Licensee or the GN representative on when the required Abandonment and Restoration Plan would be submitted.

The Licensee and the Government of Nunavut are together reminded that the Nunavut Water Board will not proceed with processing the required License renewal application until the Final Abandonment and Restoration Plan for the existing Sewage Disposal Facility is received.

It was also noted that because the new Sewage Treatment Plant is not yet commissioned that the Old Lagoon remains the Licensees only disposal location. As such new SNP stations could not be set and a number of the other requirements set by the license and the Board will only be completed once the facility is commissioned.

WATER SUPPLY

Source(s): Marcil Lake	Quantity used: 12,225,341.10 L
Owner:/Operator: Hamlet of Arctic Bay	

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;

- Hamlet staff were present and participated in the Inspection
- The 2010 Annual Report was submitted as required
- Personal protective equipment was noted on site
- Chlorine testing and Truck sampling records were available for review in the Pump house.

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: Y	Trench: None

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

Discharge Quality: UK	Decant Structure: NA	Erosion: NI
Discharge Meas. Device: NI	Dyke Inspection: NI	Seepages: U
Dams, Dykes: U	Freeboard: A	Spills: A
Construction: NA	O&M Plan: U	A&R Plan: U
Periods of Discharge: Cont.	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 in the community is still in use as the newly constructed facility has not yet been commissioned.
- The Inspector sampled the effluent outfall at the original location as done during past inspections
- The New Lagoon was also inspected, a number of issues were brought forward by the licensee, these included;
  - A second truck dump location out of the prevailing wind is required
  - Guard stone on outside walls ( armouring) to prevent erosion is not present
  - Two corner ( NW & SE) require fill to prevent ponding and erosion into lagoon
  - Sampling locations could not be identified at this time as there is no flow
  - Splash back wall on decant structure may be required to prevent effluent from overtopping dispersion culvert

**Solid Waste:** Municipal solid waste site      **Owner/Operator:** Hamlet of Arctic Bay

<b>Landfill:</b> Y	<b>Burn &amp; Landfill:</b> Y	<b>Other:</b> 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. A fence was identified as required in a number of previous inspections.
- Batteries were found secured in the sea-can provided
- It is still unclear what haz mat will be shipped out of the community

**FUEL STORAGE:**      **Owner/Operator:** Government of Nunavut

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

<b>Berms &amp; Liners:</b> NI	<b>Water within Berms:</b> NI	<b>Evidence of Leaks:</b> NI
<b>Drainage Pipes:</b> NI	<b>Pump Station &amp; Catchments Berm:</b> NI	
<b>Pipeline Condition:</b> NI	<b>Condition of Tanks:</b> NI	

**Waste Oil Storage:**    Waste oil originally stored in Waste Management Area have been removed and secured in town.    Currently being used in a Waste oil Furnace in the community.

**SURVEILLANCE NETWORK PROGRAM (SNP)**

<b>Samples Collected</b>	<b>Owner /Operator:</b> No sampling results have been submitted to date as the Licensee was told by the GN that they would conduct the Required sampling this year..	
3	<b>INAC:</b> Potable water source,    Effluent, Dump run off (leachate)	
<b>Signs Posted</b>	<b>SNP:</b> All Posted	<b>Warning:</b> All Posted
<b>Records &amp; Reporting:</b> Records of daily checks and sampling at Water Treatment and Waste Water Treatment Facilities were provided during the period of Inspection, 2010 annual report submitted as required.		
<b>Geotechnical Inspection:</b> N/A		

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

- The Licensee or their representative has not yet provided the required Abandonment and Restoration Plan as required.    This failure to file the required plan put’s the validity of the submitted compliance plan into question as well as delays the NWB’s review and approval of the Licensee’s Water License which has expired.
- The Licensee does not have a current Water License.
- The Licensee has made a number of the required changes and corrections that the Inspector has identified over the last number of Inspections.    The Licensee has made fair progress toward ensuring compliance with the terms of the expired license as well as the issues previously identified.

The Government of Nunavut must submit the outstanding Abandonment and Restoration Plan as required by the Nunavut Water Board.    Failure to provide that Plan within a reasonable period following the tentative approval by the Board of the Compliance Plan puts the validity of the Plan into question.    If that occurs, a new Compliance Plan will be ordered by the Inspector in an **Inspectors Direction**.

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

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](mailto:Andrew.Keim@ainc-inac.gc.ca)