

WATER USE INSPECTION REPORT FORM CIDM # 428915

Date: September 2 2010	Licensee Rep. (Name/Title): Ed Murphy SAO & Cyril Malla Hamlet staff
Licensee: Hamlet of Arviat	Licence No.: 3AM-ARV1014

WATER SUPPLY

Source(s): Wolf River Creek	Quantity used: Unknown – (to be sent by E-mail)
Owner:/Operator: Government of Nunavut	Treatment systems operated by C&GS, Gov. Nu.

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

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

**Comments:**  
The Government of Nunavut, Dept. of Community and Government Services provides the oversight and drinking water treatment services for the community. Staff members from the Government of Nunavut were available to provide access to the pumping station for inspection. Staff members were found to be working on the refilling of reservoir cell number 2 and the cleaning of the new filtration system.

Water Samples were collected. Chlorination records were noted on site. Chlorination records show that sampling is not done daily as required and that not all trucks are tested. This is to be addressed. Trucks are also to be cleaned on a quarterly basis.

As the Government of Nunavut has retained ownership of the pump house and intake facilities and employs staff to provide water treatment and distribution to the Municipality it would be prudent for the Government of Nunavut, Department of Community and Government services apply for a license for this use of Water.

WASTE DISPOSAL

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

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

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

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

**Comments:**  
Sewage from Lagoon seeps continually through the toe of the berm and then travels overland to the ocean. Samples were collected. Decanting of the Lagoon is not required (according to Hamlet staff) as there is never enough effluent in the lagoon to decant.

An obvious flow of effluent was noted in the ditch behind the lagoon and flowing into a pond immediately adjacent to the lagoon and down gradient.

The Old lagoon remains on site. An Abandonment and Restoration Plan is required to address this.

**Solid Waste:** Non-combustible waste consolidated at waste metals area.

Owner/Operator: Hamlet of Arviat

Landfill: A- evidence of segregation	Burn & Landfill: A	Other:
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**Comments:** Water management from the municipal waste management area is required to address runoff and ponding of contact water outside the management area.

Hazardous materials were noted throughout the Bulk Waste Management Area. Hydrocarbon impacted soils are also piled at the back of this area. No liner is present for either the Hazardous materials or the Impacted soils.

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: NI	

Waste Oil Storage: None noted

SURVEILLANCE NETWORK PROGRAM (SNP)

Samples Collected: 0		Owner /Operator: No samples from Municipality have been submitted	
Samples Collected: 3		INAC: Potable (Reservoir), Effluent discharge, Dump Leachate	
Signs Posted	SNP: None		Warning: Some signs were noted
Records & Reporting: No records of water usage, waste discharge, Operations manuals, or required Plans.			
Geotechnical Inspection: N/A			

Non-Compliance of Act or Licence:

The Hamlet of Arviat recently had a Class A license issued.

The Municipality is required to address those deficiencies identified in this and the 2009 Inspection reports.

The Municipality shall also submit a Plan for Compliance outlining the steps the municipality will undertake to bring themselves into compliance with the new license. This plan is to also include a firm timetable with dates for compliance milestones.

A.Keim

Inspector’s Name

Sent by E-mail

Inspector’s Signature

