

WATER USE INSPECTION REPORT FORM

Date: September 9,2011	Licensee Rep. (Name/Title): Shaun Trepanier- SAO , Paul Voisey (GN)
Licensee: Hamlet of Whale Cove	Licence No.: 3BM-WHA0914

WATER SUPPLY

Source(s): Fish Lake	Quantity used: Unknown- to be e-mailed		
Owner:/Operator: Government of Nunavut	Alex Sammortuk- CG&S, Paul Voisey- CG&S		
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.

GN staff member was available to open the door to the facility. The floor of the Facility again had a large number of dead flies on it. The Chlorination tank was found to be only a third full at the time of the inspection. Records found on site were complete.

Samples were collected from the source lake.

WASTE DISPOSAL

Sewage: Sewage Treatment System (Prim./Sec/Ter.): Primary cell and wetlands treatment

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

Comments: Sampled discharge from the Lagoon seepage approximately 50 meters from the berm wall.

The community lagoon does not have sufficient capacity. Effluent seeps through the back wall of the lagoon and runs down gradient to the ocean. It also appears that effluent is flowing back under the truck discharge point, toward the community. The community recently had consultants in to determine options to address this matter as well as size of the existing lagoon.

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

Owner/Operator: Hamlet of Whale Cove

Landfill: A- some segregation	Burn & Landfill: U	Other: requires burning
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Comments: Samples were collected from water ponded below the Municipal Waste Management Area.

The community Municipal Waste Management Area was found to be fenced and well segregated from the Bulk/Metal Wastes. The Municipal Waste Management Area requires a road access from the top to make the best use of the facility. Continued operations from the bottle of the hill are counterproductive.

A site for storage and containment of Hazardous Wastes was not located.

A large berm was at some point constructed to control and contain run-off from the Waste Management Areas (bulk metals, municipal and wood/construction debris). It appears that water has eroded through the base of the berm and now runs directly into the ocean. This was identified to the SAO and GN representatives during the inspection and must be addressed prior to the next 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: 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- Lake, Effluent discharge, Dump Leachate	
Signs Posted	SNP: None		Warning: Some signs were noted
Records & Reporting: No records of water usage, waste discharge, Annual reports			
Geotechnical Inspection: N/A			

Non-Compliance of Act or Licence:

The Municipality of Whale Cove was issued a renewal license in 2009. The license required the Municipality to install a flow measurement device on at the freshwater pumping station. This has not been done. The Municipality is reminded that in addition to the above, there also exist expanded sampling and reporting obligations contained within the newly issued license. These obligations are imposed under the authority of the license and together form the overall conformity requirements of the License.

As the Government of Nunavut retains the ownership of the pump house, intake and treatment facilities, and employs staff to provide water treatment services to the Municipality of Whale Cove, the Government of Nunavut, Department of Community and Government Services should apply for a Water License for this activity. This would be consistent with previous licensing precedents in communities such as Rankin Inlet and Resolute Bay.

The community of Whale Cove must also ensure that proper maintenance and operations are conducted during the summer season. Decanting of the lagoon is required to prevent overtopping as well as prevent failures in the Dyke wall by maintaining a minimum of 1 meter of freeboard. The reduction in the overall volume in the Lagoon may also result in a decrease in the Effluent suspected of seeping under the truck drop off and back down grade into the community.

The Licensee continues to struggle with the administrative requirements of the issued Water License. The Licensee continues to work in contravention of the Nunavut Waters and Nunavut Surface Rights Tribunal Act.

If you have any questions or concerns regarding this report please do not hesitate to contact the undersigned.

A.Keim

Inspector’s Name

Sent by E-mail Original on File

Inspector’s Signature

Cc:
Jeff Mercer - A/Manager Field Operations
Phyllis Beaulieu – Manager Licensing- Nunavut Water Board

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