

MUNICIPAL WATER USE INSPECTION FORM

Date: August 8, 2011	Licensee Rep. (Name/Title): Hugh Haqpi – Mayor , Dennis Kaunak – Foreman, Jimmy Immingark – Asst Foreman and Meghan Lusty C&GS- Government of Nunavut
Licensee: Hamlet of Repulse Bay	Licence No.: 3BM-REP0409 – Expired

Comments: During the period of Inspection the SAO was out of town. Contact and cooperation with the Licensee was through the Mayor Mr. Haqpi. The Licensee was able to provide copies of total water usage to date however the 2010 annual report was not available for review. A copy was noted on the Nunavut Water Board’s FTP site. The Licensee acknowledged the fact that the Water License for the Municipality had expired but had no information on when an application for renewal would be submitted. It was suggested that because work on a new Lagoon may be undertaken in the near future that this would require a renewal of the license at that time.

WATER SUPPLY

Source(s): NuvikLuktujuk Lake Water Supply	Quantity used: 18,734,944.10 L to date
Owner:/Operator: Department of Community Government and Services – Government of Nunavut	

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

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

Comments: During the Inspection of the Water Treatment plant the Inspector noted the following;

- Samples were collected from the source adjacent to the intake
- Daily Chlorination testing records were found complete and well organized at the C&GS office in town and at the pump house. A new form will be created so that both water trucks test results can be submitted weekly
- Treatment facility clean and well organized. 1 bucket of Chlorine (Pool) was noted within the pump house. No safety equipment was noted within the facility for use during Chlorine mixing
- Chlorination line was recently replaced. Installed was a solid black hose
- The Government of Nunavut’s Department of Community and Government Services have recently (April 1, 2011) put staff in place to operate and maintain the Potable Water Services including pump house and Chlorination systems in the community. They also do the daily truck testing for chlorine and monthly Bacti sampling as required

WASTE DISPOSAL

Sewage: Sewage Treatment System (Prim./Sec/Ter.): Primary – Discharge to melt water stream

Natural Water Body: Yes	Continuous Discharge (land or water): cont.	
Seasonal Discharge: None	Wetlands Treatment: Unknown	Trench: None

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

Discharge Quality: U	Decant Structure: NA	Erosion: NI
Discharge Meas. Device: NA	Dyke Inspection: NA	Seepages: U
Dams, Dykes: NA	Freeboard: NA	Spills: NI
Construction: NA	O&M Plan: U (None)	A&R Plan: U
Periods of Discharge: Cont.	Effluent Discharge Rate: Unknown	

Comments: During the Inspection of the Waste Water Outfall the inspector noted the following;

- Effluent remains being deposited into a melt water stream that flows 1.5 kilometres to the ocean, a new Lagoon is proposed in the next few years
- Solid waste including barrels and other debris still litter the area
- Samples were collected from the outfall to the foreshore

Solid Waste: Municipal sold waste site Owner/Operator: Hamlet of Repulse Bay

Landfill: Y	Burn & Landfill: Y	Other: Waste batteries
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Comments: Specific issues identified during the inspection of the Solid Waste Management Facility include;

- Waste within the Solid Waste Management area is segregated into Municipal waste, wood and other burnable debris and a bulk metals area.
- Signage including warnings at the facility were noted
- The municipal burn and bury area for municipal waste was recently fenced. However the Area remains unburned now after 4 years. In 2009 and 2010 the Inspector advised the Licensee that this was not an accepted practice and efforts were required to reduce and cover the materials. This has not occurred. There appear to be issues with Burning of the waste and the location of the facility being directly on the approach to the runway.
- The hazardous storage for batteries is at capacity. Batteries should be crated to protect them prior to transport out of the community and so that the public has a place to deposit them

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: Drums of waste oil have been segregated in one location and the area is bermed. However no liner is present. Waste oil is burned in a community Waste oil furnace. A proper liner and storage will be required.

SURVEILLANCE NETWORK PROGRAM (SNP)

Samples Collected		Owner /Operator: No sampling results have been submitted to date	
3		INAC: Potable water source, Effluent, Leachate- Poned water within the SWMF	
Signs Posted	SNP: None		Warning: Good
Records & Reporting: Records of daily checks and sampling at Water Treatment were noted.			
Geotechnical Inspection: N/A			

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

The Municipality of Repulse Bay remains unlicensed. Obvious efforts have been undertaken to comply with issues identified in previous inspections have been noted by the Inspector.

As the Government of Nunavut operates the intake and treatment facilities, and employs staff to provide water treatment services to the Municipality of Repulse Bay, 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 following deficiencies remain outstanding;

- Failure to submit an application for renewal
- Failure to address the accumulation of Municipal and other wastes
- Failure to consistently implement the required monitoring/ sampling programs within the community
- Failure to submit Operations and Maintenance Manuals and Plans
- Failure to notify the Nunavut Water Board of Modifications to the License (ie: The Government of Nunavut now providing Potable Water Treatment Services within the community as of April 1st 2011)

The Municipality continues to work outside of the terms of the now expired license and as such, is in contravention of the Nunavut Waters and Nunavut Surface Rights Tribunal Act.

The Municipality will be required to develop and submit for review a **Compliance Plan** that will outline what steps the Municipality commits to undertaking to ensure that these deficiencies are being addressed prior to the period of the next Inspection. The Compliance Plan will include firm dates and milestones to reflect the Licensee's progress. The Compliance Plan shall be submitted as an addendum to the 2011 Annual Report due on March 31st 2012.

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

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