

WATER USE INSPECTION REPORT FORM

CIDM# 429142

Date: August 21 2010	Licensee Rep. (Name/Title): Bhabesh Roy
Licensee: Government of Nunavut	Licence No.: 3BM-RUT- <span>Unlicensed</span>

WATER SUPPLY

Source(s): Water Lake		Quantity used: Unknown	
Owner:/Operator: Government of Nunavut		Local service contract – Azziz Kheraj	
Indicate: <b>A</b> - Acceptable <b>U</b> - Unacceptable <b>NA</b> - Not Applicable <b>NI</b> - Not Inspected			
Intake Facilities: A	Storage Structure: A	Treatment Systems: U	Chemical Storage: A
Flow Meas. Device: A	Conveyance Lines: U	Pumping Stations: A	Screen : NI

**Comments:** The Government of Nunavut (GN) remains unlicensed and manages the water/ waste water municipal services in the community via local service contract.

During the period of Inspection it was noted that the Chlorination barrel feeding the pump was empty. This was reported to the contractor who responded to address this serious issue.

The water pumping station has recently had 3 new boilers installed and all were found in working order. The contractor stated that a number of breaks in the old utilidor line had been identified and these were scheduled to be replaced over the next year.

Two water delivery contractors (Narwhal and Azziz Kheraj pick up water from the pumping station in privately owned water trucks. While residual chlorine testing is undertaken at the pumping station on a daily basis is it unclear when water from the trucks is tested nor when the last time the trucks were cleaned. This is to be undertaken by each carrier on a monthly basis with the trucks inspected and cleaned on a minimum of a semi annual basis.

Access to the pumping station is open to the general public as it appears there is only one key to the facility. This is to be addressed within the next 30 days. New locks and a proper level of security is to be implemented at the water pumping station.

Annual water consumption records were not available for review during the period of inspection. As yet annual reports with these figures have not been filed with the NWB or the Inspector.

WASTE DISPOSAL

**Sewage:** Sewage Treatment System (Prim./Sec/Ter.):None-Sewage discharged to foreshore

Natural Water Body: No	Continuous Discharge (land or water): foreshore of Arctic Ocean	
Seasonal Discharge: N/A	Wetlands Treatment: None	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: 08-560 closed
Construction: NA	O&M Plan: U (none submitted)	A&R Plan: U
Periods of Discharge: Con.	Effluent Discharge Rate: Unknown	

**Comments:** Sewage from community is continuously pumped onto the shoreline in front of town and directly into the environment (Ocean). Obvious nutrient loading noted (bloom).

During the Inspection of the (treatment) building the Macerator was found not to be connected to the power. In investigating this the Contractor informed the Inspector that it had been broken for some time and parts were on order but had yet to arrive in Resolute Bay. Open wires were found hanging down to the unit.

The room (building) is in a state of disrepair and requires replacement as it is clear that a number of over flows have occurred in the building. The lights were also not working. It appears the power to the facility has been shut off. Thus effluent flows through the system without any solids removal and to the shoreline of Resolute Bay.

**Solid Waste:** Not Applicable

**Owner/Operator:** Hamlet of Resolute Bay

Landfill: Old one in use.	Burn & Landfill: U	Other: Bulk metals area
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**FUEL STORAGE:** Tank farm has a large quantity of contaminated water within the bermed area.

**Waste Oil Storage:** unknown

**Owner/Operator:** Government of Nunavut

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

<b>Berms &amp; Liners:</b> A	<b>Water within Berms:</b> U	<b>Evidence of Leaks:</b> NI
<b>Drainage Pipes:</b> U	<b>Pump Station &amp; Catchments Berm:</b> NI	
<b>Pipeline Condition:</b> U	<b>Condition of Tanks:</b> Old tanks decommissioned, Rips in liner noted in Containment area.	

## **SURVEILLANCE NETWORK PROGRAM (SNP)**

<b>Samples Collected</b>		<b>Owner /Operator:</b> No samples from Government have been submitted	
2		<b>INAC:</b> Potable water source & Effluent discharge	
<b>Signs Posted</b>	<b>SNP:</b> none		<b>Warning:</b> 1 at effluent discharge pipe
<b>Records &amp; Reporting:</b> No records of water usage, waste discharge.			
<b>Geotechnical Inspection:</b> N/A			

**Non-Compliance of Act or Licence:**

It has been noted in the previous three Inspections that the Government of Nunavut retains ownership and control of the pumping station and water treatment system within the community of Resolute Bay. This service is provided via a local service contract to the community. The Government of Nunavut has also consistently failed over the last two years to submit a revised application for renewal of the expired water license and as such remain unlicensed and in contravention of the Act.

The Government of Nunavut also has not filed any of the required annual reports. Without these reports it is impossible for the Inspector and the Nunavut water Board to have a firm understanding of what is occurring related to the use of water and the deposits of waste within the community.

None of the deficiencies listed within the last Inspection report (2009) have been addressed by the Government of Nunavut. As such, the Inspector recommends that enforcement action, up to and including legal proceedings is warranted in these circumstances and is recommended.

The Government of Nunavut continues to operate in contravention of the terms and conditions contained within the now expired license as well as those contained with the Nunavut Water and Nunavut Surface Rights Tribunal Act.

A.Keim

**Inspector's Name**

Sent by E-mail

**Inspector's Signature**

