

WATER USE INSPECTION REPORT FORM

Date: July 17, 2011	Licensee Rep. (Name/Title): Adrian Dascalescu- Muni Tech Officer
Licensee: Government of Nunavut	Licence No: 3BM-RUT1012

Comments:
The Department of Community and Government Services, Government of Nunavut recently renewed the Water License for Water and Waste Water Services within the community of Resolute Bay.
It was also noted that Water treatment facility also provides potable water to the Airport, and associated buildings (Hotels/ Polar shelf facilities etc) through a separate local contractor via truck services. Sewage wastes from these facilities are deposited in a lagoon adjacent to the MOT dump. Currently, an expired license exists for these facilities issued to the Government of Nunavut (Arctic Airports / Department of Economic Development and Transportation).

WATER SUPPLY

Source(s): Char Lake	Quantity used: Unknown.
Owner:/Operator: Government of Nunavut	

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

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

Comments: The Government of Nunavut (GN) manages the water supply and effluent discharge in the community through a local service contract. The following issues were identified during the period of Inspection;

- Intake and Pumping station were found in good order
- New signage and warnings are required at all locations
- Water usage records were not available for review
- Chlorination records were forwarded by the contractor by E-mail
- The 2010 Annual report was not available for review at the time of the Inspection
- Sampling results were not available for review during the Inspection and are to be forwarded to the Inspector by E-mail following the inspection

WASTE DISPOSAL

Sewage: Sewage Treatment System (Prim./Sec/Ter.): Discharge to foreshore marine environ

Natural Water Body: No	Continuous Discharge (land or water): High tide line	
Seasonal Discharge: No	Wetlands Treatment: None	Trench: None

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

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

Comments: During the Inspection the Inspector noted the following;

- Sewage from community is continuously pumped onto the shoreline in front of town and directly into the environment (Ocean). Obvious nutrient loading is present along shoreline
- Noted at outfall were ; Waste paper/ Food particles/ Plastic wastes
- The solids removal system was off line during the Inspection (this was noted in previous inspections and has remained unfixed for over two years)
- Sampling results were not available for review

SOLID WASTE: Operated by the Municipality of Resolute Bay (Unlicensed)

Landfill: on site	Burn & Landfill: on site	Other: Hazardous wastes present on site
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Comments: During the period of Inspection the following was noted by the Inspector;

- Waste Management Area is not segregated
- Hazardous materials area is not present. Paint cans/ Oil filters etc are burned by the general public on site
- A new facility was constructed however it has not been used pending a new Application for renewal being submitted

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	

Comments: Noted during the Inspection was the level of contact water within the bermed area at the Tank Farm. Any discharge of water must be tested prior to release and those samples submitted to the Inspector. The liner was also ripped in a number of locations.

Waste Oil Storage: Unknown. Barrels of unknown contents and origin are stored adjacent to the Bulk Metals/ Waste Management Area. The site has a raised berm however no liner has been installed. Barrels were found on their sides and leaks were noted.

SURVEILLANCE NETWORK PROGRAM (SNP)

Samples Collected		Owner /Operator: None submitted	
2		INAC: Potable source, Effluent (leachate samples were collected during the municipal inspection)	
Signs Posted	SNP: None noted		Warning:
Records & Reporting: Annual reporting has not been submitted, sampling results not submitted.			
Geotechnical Inspection:			

NON-COMPLIANCE OF ACT OR LICENCE: The Inspector noted the following issues;

- Annual reports for 2010 were not available for review
- Licensee has not implemented the Monitoring Program
- The License has yet to effect repairs to the waste water discharge system
- The Licensee has not yet filed the following plans;
 - O&M Plan for the Water Supply Facility;
 - O&M Plan for the Utilidor;
 - O&M Plan for the Sewage Disposal Facility;
 - Spill Contingency Plan; and
 - Append the Quality Assurance/Quality Control (QA/QC) Plan required by Part H, Item 9 of the Licence.
- The Licensee is reminded that the administrative requirements of the issued license must be adhered to ensure compliance, for example ;
 - Part C Item 4 – Due November 2011 – Report on the potential for Draw down on Char Lake.

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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