

WATER USE INSPECTION REPORT FORM

CIDM# 429035

Date: July 21,2010	Licensee Rep. (Name/Title): Jack Kammuka Hamlet foreman and Adrian Dascalescu from the Government of Nunavut.
Licensee: Municipality of Hall Beach	Licence No.: 3BM-HAL0810 (EXPIRED)

WATER SUPPLY

Source(s): Water supply Lake (reservoir)	Quantity used: 786058.9 gallons
Owner:/Operator: Municipality of Hall Beach	

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

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

Comments: Water is collected into a large primary reservoir lake from the river where it sits for approximately one year before being pumped into the main reservoir for use by the community. The last intake was in the fall of 2009 however it was noted that in June kids had opened the main gate and allowed water into the primary reservoir during freshet.

From the reservoir the water is treated by chlorine injection and distributed by truck in the community. The pump house appeared in order. The chlorine tank was full and the pump in working order. Chlorination records were reviewed at the Hamlet garage and were in order.

Water from the main reservoir also feeds the Fox Main Long Range Radar Station.

WASTE DISPOSAL

Sewage: Sewage Treatment System (Prim./Sec/Ter.): Primary

Natural Water Body: No	Continuous Discharge (land or water): Cell one	
Seasonal Discharge: as required	Wetlands Treatment: None	Trench: None

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

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

Comments: Seepages from cell one were noted during inspection. Decanting was ongoing during inspection without notification to Inspector. Raw effluent noted in pools below lagoon.

Failed lagoon cell (cell 1) was noted as being in use again. However the level of effluent was not consistent with cell 2. It is clear that cell 1 continues to leak and it is noted that the cell is unlined. Hamlet staff members confirmed that cell 1 is in use again and that it had not required decanting this year and that none of the remedial clean up work to address the 2008 release of 13 million litres of raw effluent had been undertaken by the GN or the Municipality as required by the Inspector. Flow patterns from the Cell 1 lagoon release are still evident on top of ground down gradient from lagoon.

Cell two (decant noted during the inspection) was estimated as one third full. Samples were collected 150 meters from lagoon cell 2.

Solid Waste: No haz mat storage site was available for inspection.

Owner/Operator: Municipality of Hall Beach

Landfill: NA	Burn & Landfill: U	Other: No haz mat storage
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Comments: The Municipal Burn and bury area requires a fence to completely enclose the facility. Wind blown garbage noted throughout the area.

The main metals / bulk waste management area is located on the beach-front road outside the community. During this inspection it was noted that adjacent to the Municipal Waste Management Area a second (new) waste metals area has now been created.

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: Unknown	

Waste Oil Storage: Noted in a Municipal lot within the community. The site has numerous spills and is unlined. The site is to be remediated and waste oil properly stored by the period of the next inspection.

SURVEILLANCE NETWORK PROGRAM (SNP)

Samples Collected: 0		Owner /Operator: Municipality of Hall Beach	
3		INAC: Potable source, effluent stream, leachate pool	
Signs Posted	SNP: None		Warning: none
Records & Reporting: Annual reports and sampling results are to provided			
Geotechnical Inspection: N/A			

Non-Compliance of Act or Licence: The Water License for the community of Hall Beach has recently expired. A search for a renewal submission was undertaken following the inspection by the Inspector. It appears that these Documents were submitted on May 21st 2010 by the Licensee.

It is clear that remedial efforts to address the cell 1 failure from 2008 have not been undertaken by the Municipality or C&GS government of Nunavut as required by the Inspector.

Lagoon Cell one continues to release effluent.

The Municipal Waste Management Area requires a fence around the complete facility.

The waste oil storage area requires remedial actions and a liner to be installed if waste oils and other hazardous substances are to remain within the site.

The Municipality is required to a Plan for Compliance outlining the steps the Municipality will undertake to bring themselves into compliance before the period of the next inspection. This Plan is to be included in the 2010 Annual report.

A.Keim

Inspector’s Name

Sent by E-mail

Inspector’s Signature

