

WATER USE INSPECTION REPORT FORM CIDM# 428920

Date: July 29, 2010	Licensee Rep. (Name/Title): Olyuk Akesuk, Senior Administrative Officer
Licensee: Municipality of Cape Dorset	Licence No.: 3BM-CAP0810 (Expired)

WATER SUPPLY

Source(s): T-Lake to Water Point holding tank	Quantity used: Records and meters on site
Owner:/Operator: Municipality of Cape Dorset	

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 pumped from T-Lake to Water Point holding tank where it is treated and pumped into trucks for delivery within the community. Pumping station was found in good order.

WASTE DISPOSAL

Sewage: Sewage Treatment System (Prim./Sec/Ter.): **Primary (3 tier lagoon system)**

Natural Water Body: No	Continuous Discharge (land or water): None	
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: NI	Erosion: None
Discharge Meas. Device: NA	Dyke Inspection: A	Seepages: U
Dams, Dykes: A	Freeboard: A	Spills: None
Construction: NI	O&M Plan: U	A&R Plan: U
Discharge: seepages	Effluent Discharge Rate: Unknown	

Comments: The three tier lagoon system was found in poor shape and at capacity. Overflow pipes in all three cells were discharging effluent into the next cell and finally down gradient to the ocean. Cell three also had a 8 inch ring of black residue at the level of the effluent along the whole inside circumference of the cell. This was not present in cells one or two. The outside wall of cell 3 was also noted has having seriously eroded within the last year and is in danger of breaching. The Licensee was directed to take steps to ensure the integrity of the cell as soon as possible to avoid a failure.

The emergency lagoon (old lagoon) was found to have very little water within the walls of the cell. Plans to mitigate the sludge and restore the site (A&R Plan) are to be prepared as soon as possible and the site decommissioned.

The 2007 Lagoon remains non-commissioned. The Government of Nunavut’s Department of Community and Government Services were to have submitted results from the installed thermisters and other information as required by the 2009 Inspection report. This information has not yet been filed. The Licensee has (at their own cost) installed new segments of roadway leading to the lagoon and plans work to ensure the stability of the roadway and prevent the washouts that have yet to be fixed. A flow of water was noted exiting the toe of the lagoon and the man-door access hatch to the discharge valve in the west wall was found to have accumulated between 18 and 24 inches of water.

Solid Waste: Municipal Burn and bury, bulk metal wastes, Haz Mat storage

Owner/Operator: Municipality of Pond Inlet

Landfill: Metal (bulk waste) A	Burn & Landfill: U	Other: Haz mat area A.
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Comments: Cape Dorset continues to work on the metals sorting program at the waste metals area. New to the site it was noted that two sea-cans had been set up to receive hazardous wastes, paints and old batteries for crating and shipment off site.

The Municipal Waste Management (Burn and bury) area for municipal wastes requires appropriate fencing to prevent transport of wastes off site as well as monitoring to curb dumping of hazardous wastes into land fill.

Signage and warnings were appropriately placed.

FUEL STORAGE:

Owner/Operator: Government of Nunavut

Waste Oil Storage: NI – None noted

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	

SURVEILLANCE NETWORK PROGRAM (SNP)

Samples Collected		Owner /Operator: None	
3		INAC: seepage below cell 3 of lagoon, ponding below metals area, potable.	
Signs Posted	SNP: Most Present		Warning: Signage present
Records & Reporting: records to be provided in annual report			
Geotechnical Inspection: N/A			

Non-Compliance of Act or Licence:

The Municipality has not taken over the management of the 2007 Lagoon. It remains using the old three tier system that, at the time of Inspection was at capacity with a noticeable direct discharge to the marine environment on-going.

The Licensee has again this year failed to undertake the required sampling.

It is noted that the GN did provide a 2009 Annual report of the Municipality’s behalf. The report was returned and then refilled by the Government. Thermister data as required was submitted. It is unclear if the data provided was complete.

An A&R Plan is required to address the “old” emergency lagoon.

The Water License for the community of Cape Dorset has expired. An application for renewal is required. The Community of Cape Dorset is currently not in compliance with the terms of the now expired license and the Nunavut Waters and Nunavut Surface Rights Tribunal Act.

A.Keim

Inspector’s Name

Sent by E-mail

Inspector’s Signature

