

WATER USE INSPECTION REPORT FORM

CIDM# 429027

Date: Sept 3, 2010	Licensee Rep. (Name/Title): Marjory Dobson (SAO)
Licensee: Municipality of Chesterfield Inlet	Licence No: 3BM-CHE0308 (EXPIRED)

WATER SUPPLY

Source(s): First Water Lake	Quantity used: Unknown to be e-mailed
Owner:/Operator: Municipality of Chesterfield Inlet	

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

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

Comments:
Water supply reservoir and pumping station were in good working order and records were available for inspection. Water reservoir was being filled at time of inspection. Chlorination pump and mixing tank were both at low levels during the Inspection.

WASTE DISPOSAL

Sewage: Sewage Treatment System: Discharge to wetlands / direct to Environment

Natural Water Body: No	Continuous Discharge (land or water): NA	
Seasonal Discharge: NA	Wetlands Treatment: U	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 submitted)	A&R Plan: U
Periods of Discharge: Con.	Effluent Discharge Rate: Unknown	

Comments: Upon arrival in the community and meeting with Ms. Dobson the Inspector was informed that Mr. Chris Chioine of STANTEC was in the community and overseeing work on the Community’s Waste Water Treatment Systems.

Following introductions there was a briefing on the project by Mr. Chioine which included and overview of the the construction of two truck dump stations with berms to create lagoons (of a fashion) with central saddle dykes to allow overflow drainage of the “lagoons”. Additionally, the construction of other berms and dykes to both control and slow the flow of Leachate and surface run-off from the municipal waste management area into the Effluent stream were addressed. These new features were either in the final stages of construction or had just been completed.

The Inspector then asked about Operations and Maintenance Manuals and some of the specifics regarding the construction including the installation of liners, calculation of holding times, the specifics of the above ground flow and that relationship to engineered wet lands. None of these questions were answered however Mr. Chioine committed to providing these answers to the inspector. It was noted that an Operation Manual was presented in the in the briefing however it did not contain plans for construction.

The Inspector had further questions regarding the submission of plans and drawings as well as seeking the necessary approvals from the Nunavut Water Board prior to the construction of these facilities. It was unclear these have been submitted to the board and none of the required approvals for the construction of these facilities (in an unlicensed community) were provided for the Inspector to review.

The Municipality was directed to contact the Nunavut Water Board and provide all information as requested by the Board. As the Government of Nunavut, Department of Community and Government Services is acting on behalf of the Municipality they are also directed to contact the Board and seek the required approvals prior to the commissioning of any of these facilities.

Solid Waste: Metal wastes are segregated from municipal wastes.

Owner/Operator: Municipality of Chesterfield Inlet

Landfill: U	Burn & Landfill: U	Other: Bulk metals area
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Comments: The Municipal Waste management Area appears to have seen some segregation. Hazardous waste drums are stored outside of the Waste Management Area in bermed containment that is unlined.

The Municipal Waste Management Area is fenced but lies adjacent to the Waste Water Management / Truck drop off. Run-off from the facility mixes with the effluent stream. A dyke has been installed (without the approval of the Nunavut Water Board) to divert or slow this run off.

FUEL STORAGE: Not inspected.

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: Old and other drums were noted outside the Municipal Waste Management Area. These drums were found to be in a bermed area and located on a liner.

SURVEILLANCE NETWORK PROGRAM (SNP)

Samples Collected		Owner /Operator: No samples from Municipality have been submitted
3		INAC: Potable water source, Effluent discharge, Leachate
Signs Posted	SNP: none	Warning: 1 at Lagoon, 1 at Reservoir
Records & Reporting: No records of water usage, waste discharge.		
Geotechnical Inspection: N/A		

Non-Compliance of Act or Licence:

The water reservoir and pumping station were clean and in good order. The waste management area was segregated and a hazardous waste area was noted.

The Licensee and the Government of Nunavut have undertaken to conduct work prior to receiving the approval and review of the Nunavut water Board contrary to the Act. As such the Licensee and their agent (the Department of Community and Government Services) are directed to contact the Nunavut water Board and supply to them all as-built drawings and plans and any other information the Board deems appropriate in the circumstances for the Board to make a determination on this matter.

A.Keim

Inspector’s Name

Sent by E-mail

Inspector’s Signature

