

WATER USE INSPECTION REPORT

Date: August 25,2009	Licensee Rep. (Name/Title): Mitzi Wall, Facility Mgr. & Barb Thomson, Nasittuq Environmental & Kim Kalen , DND Env. officer.
License: National Defence Canada	Licence No.: 3BC-CAM0409 – Extension

WATER SUPPLY

Source(s): Water Supply Lake		Quantity used: Average 4m³ per month	
Owner:/Operator: National Defence Canada		Water meter working and log on site	
Indicate: A - Acceptable U - Unacceptable NA - Not Applicable NI - Not Inspected			
Intake Facilities: A	Storage Structure: A	Treatment Systems: A	Chemical Storage: NA
Flow Meas. Device: A	Conveyance Lines: A	Pumping Stations: A	Screen : NI

Comments: Water is collected from the reservoir via a heat traced above ground line directly to the LRR Station. The water is first processed through a filter system and then a UV system. Two complete systems are installed on site. Both were in working order. A meter was installed and noted.

WASTE DISPOSAL

Sewage: Sewage Treatment System (Prim./Sec/Ter.): **NONE**

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

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

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

Comments: National Defence has installed an activated sludge treatment system that re-circulates treated water back into the base system for use in toilets thus reducing the overall water consumption of the base. The treated effluent is processed through membrane filters, activated carbon filters and a UV system. Sampling results on site indicate the treated water meets CCME and NWT limits.

Solid Waste:.

Owner/Operator: National Defence Canada

Landfill: closed, requires remediation	Burn & Landfill: closed	Other: None
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Comments: Waste generated on site is picked up by the Municipality of Cambridge Bay for hauling to the municipal land fill. All hazardous wastes are shipped south. Records of shipment and transport were available for review during the inspection. Secondary containment for oils and lubricants stored in maintenance areas was found through the work area. Batteries and acid storage should be addressed. A florescent light bulb crusher was noted on site.

FUEL STORAGE:

2 above ground 1 mill tanks noted at beach area.

Waste Oil Storage: Haz mat storage area. **Owner/Operator:** National Defence

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

Berms & Liners: A	Water within Berms: A	Evidence of Leaks: A
Drainage Pipes: NA	Pump Station & Catchments Berm: A	
Pipeline Condition: A	Condition of Tanks: Metal tanks: A.- Require inspection	

Comments: Licensee is to test for BTEX and HEM in water collected within the tank farm next spring prior to discharge to the environment. This is to be confirmatory sampling to ensure compliance.

SURVEILLANCE NETWORK PROGRAM (SNP)

Samples Collected		Owner /Operator: samples collected and reviewed	
2		INAC: Effluent discharge samples and potable water	
Signs Posted	SNP: none		Warning: Signage present
Records & Reporting: records were on site and available for review			
Geotechnical Inspection: N/A			

Non-Compliance of Act or Licence: National Defence is in the process of applying for a renewal to the current water License. No issued were noted during the current inspection.