



Indian and Northern
Affairs Canada

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et du Nord Canada

Inspection Report

License #: 3BC-FOH

Inspector: A. Keim

CIDMS # 384520

Client	National Defence Canada Nasittuq Corp.		
Mailing Address	Maj. A. Cameron – R&C 3-4 North Warning System Office c/o National Defence Headquarters 101 Colonel By Drive Ottawa, ON. K1A 0K2		
Inspection site location	Fox – Main Hall Beach LRR		
Contact name	A. Cameron	Title	O.I.C
Last inspection date	Unknown	July 16,2007	
Inspection start date	August 10, 2008		
Region	Baffin		



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Submitted Via E-Mail
Our File: NWB6FOH0409
Your File: _____
CIDM # 314064

March 4, 2009

Maj. A. Cameron – R&C 3-4
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RE: Water License Inspection of Hall Beach L.R.R. Station – August 10, 2008

The Water Resources Officer (WRO) appreciates the assistance and cooperation provided by Ms. Jennifer Best of Nasittuq Corporation who assisted the Inspector during the inspection of the site.

The following report is based on observations made at the time of the inspections at the Hall Beach Long Range Radar Station (FOXE MAIN). A review of the terms and conditions of the water license was conducted during the Inspection.

Immediately following the inspection a Water Use Inspection Form outlining the concerns of the inspector was signed off by the Licensee's representative and the Inspector.

Part A: Scope and Conditions

No issues were found with respect to the location of the camp as it relates to the information contained within the current license. The current license was issued June 25th, 2004 to the Department of National Defence, Government of Canada and is scheduled to expire June 30th, 2009.

The license, as issued, is a Type "B" license classed as Municipal undertakings.

Part B: General Conditions

A review of the Nunavut Water Board FTP – Public Registry was conducted during the writing of this report. An annual report for the 2007 annum was located. This report is a requirement under the terms and conditions of the Water License. The annual report must include but should not be limited to those items listed in Section 1 (i) through (vi) of this Part.

The Licensee is reminded that the Nunavut Water Board has a generic form available to all Licensees on their web page. This form provides the licensee with a template to ensure complete and accurate reports are filed.

The licensee is reminded that it is the responsibility of the licensee to ensure that any documentation submitted by the licensee to the Nunavut Water Board is acknowledged by the Manager of Licensing.

During the period of inspection an estimated volume of water that had been used to date was not available however the total used (from the 2007 annual report) listed the total consumption for the facility as 821.3 Cubic meters of water or 2.3 cubic meters per day.



Part C: Conditions Applying To Water Use

At the time of the inspection the licensee was allocated the use of 10 Cubic meters of water per day for all purposes. Water of all uses is to come from the designated Water Supply Lake which is the same lake used by the Municipality of Hall Beach. No samples of the potable water source were collected during the inspection of the LRR facility, as samples of this site had previously been collected during the inspection of the Municipal License. Based on the reported usage from listed in the 2007 annual report the facility is well below the total allowable limit.

An inspection of the intake system was conducted, a filter system and UV system were both present and in working order. The Facility was well kept and organized. (Municipality of Hall Beach)

Part D: Conditions Applying to Waste Disposal

During the 2007 inspections of the Facility the Manager, Mr. Rae was asked to provide the location of all hazardous waste shipments leaving the facility and their manifests. This information was not available during that inspection but was noted as present in the 2007 annual report. During the latest inspection of the facility in August of 2008 this shipping information was also not available. It is expected that in the 2008 annual report a list will be provided.

During the period of Inspection an incinerator was not found to be in use or present on site. However, a large metal burn box was found to be on site. The burn box contained partially a burned paint can, some oil filters and other hazardous materials. As this was the second occurrence of this kind in two inspections a Verbal Direction to immediately cease open burning on site contrary to the issued license was provided. This was then followed up with a written direction to the Department of National Defence who are the listed license holders.

The Licensee was cautioned that further instances of non-compliance will result in the Licensee being the subject of enforcement and compliance actions as set out in the Nunavut Waters and Nunavut Surface Rights Tribunal Act.

Following the issuance of the written Direction a letter from Assistant Deputy Minister for National Defence was received by the Inspector. The letter contained information acknowledging compliance with the Direction. A subsequent inspection in 2009 will be scheduled to verify compliance and close the file.

The Inspector verified compliance with the sewage discharge requirement under the license and was satisfied that the system in place meets the terms and conditions of the license as issued. Verification samples were collected at this time and none of the parameters tested returned results in excess of license or CCME criteria.

Part E: Conditions For Camps and Access Infrastructures

No issues were brought to the attention of the inspector under this section.

Part F: Conditions Applying To Emergency Response

A review of the Water Board FTP site did locate an updated Emergency Response Plan which as per Section 2 of this part was to have been revised within 30 days of the issuance of the current license.

The licensee is reminded that it is the responsibility of the licensee to ensure that any documentation submitted by the licensee to the Nunavut Water Board is acknowledged by the Manager of Licensing.



The Licensee is reminded that as per Section (iii) of this Part the Licensee is required to submit a detailed report on each spill occurrence no later than 30 days following the initial event.

Part G: Conditions Applying To Abandonment And Restoration

As noted in the current License issued by the Nunavut Water Board the licensee is required to submit Abandonment and Restoration Plans 6 months prior to the completion of on site activities.

Part H: Conditions Applying To Monitoring Programs

The following items are to be addressed by the Licensee by the period of the next inspection.

As per section 2 the Licensee is required to sample, once per month, between the months of May to August inclusive, the following parameters from the final discharge point of the treatment facility (FOH 2);

BOD	Faecal Coliforms
pH	Conductivity
Total Suspended Solids	Ammonia Nitrogen
Nitrate-Nitrite	Oil and Grease
Total Phenols	Sulphate
Sodium	Potassium
Magnesium	Calcium
Total Arsenic	Total Cadmium
Total Copper	Total Chromium
Total Iron	Total Lead
Total Mercury	Total Nickel
Total Zinc	

As noted in the 2007 annual report BOD and TSS parameters were sampled and tested for by CWC Wastewater Services inc , Victoria BC on behalf of the licensee. However the remaining items were either not tested for or the sampling results were not made available as required. This is to be addressed by the period of the next inspection and a complete report provided in the 2009 Annual report as per Part B Section 1(ii).

The Licensee is reminded that failure to comply with the terms and conditions of the issued water license constitutes an offence under the Nunavut Water and Nunavut Surface Rights Tribunals Act.

Non-Compliance:

During the inspection a number of items were noted and are to be corrected before the period of the next Inspection.

- Open burning of hazardous wastes is to cease – Written direction provided on August 15, 2008.
- Submission of sampling results from the Monitoring Program as required under the license.

Andrew Keim
Inspector's Name

Inspector's Signature

Cc:

Peter Kusugak – Manager Field Operations Section- Indian and Northern Affairs Canada
Phyllis Beaulieu – Manager licensing – Nunavut Water Board