



Water Resources Division  
Nunavut Regional Office  
Iqaluit, NU X0A 0H0

February 25, 2009

Phyllis Beaulieu  
Manager of Licensing  
Nunavut Water Board  
PO Box 119  
Gjoa Haven, NU X0A 1J0

**Re: 3BC-FOH0409 – Type 'B' New Water Licence Application – Nasittuq Corporation – FOX-M – Hall Beach**

Please be advised that Indian and Northern Affairs Canada (INAC) has completed a review of the above referenced Type 'B' water licence application. At this time water licence 3BC-FOH0409 is issued to the Department of National Defence (DND). As the site operator, Nasittuq (under contract with DND) is applying for a new water licence. When issued DND will cancel their existing water licence. Nasittuq Corporation applied for this new water licence October 3, 2008.

The NWB invited representations to be made to the Board, concerning the licence application by February 27, 2009. Further, the NWB requested the following comments be specifically addressed;

- Owner vs. Operator Responsibility for Site Remediation – There is another water licence (1BR-HAL0815) issued to Defence Construction Canada (DCC) for the monitoring of landfill activities at this site. It is a separate licence from the application referenced above (which relates to the operation of the site as part of the North Warning System (NWS)).
- Adequacy of Amount and Form of Proposed Security
- Request to treat Stamped and As-Built Drawings of Tank Farms as Confidential

In conducting this review, I have referred to all documents on the Nunavut Water Board FTP site as it relates to 3BC-FOH0409. Attached is a Technical Review Memorandum for your consideration in the approval of the application.

Please feel free to contact me should you have any questions or comments. I can be reached at (867) 975-4566 or by email at [trenholmt@inac.gc.ca](mailto:trenholmt@inac.gc.ca).

Sincerely,

*Original signed by*

Tanya Trenholm  
Pollution Policy Specialist



## Technical Review Memorandum

**To:** Phyllis Beaulieu, Manager of Licensing - Nunavut Water Board

**From:** Tanya Trenholm, Pollution Policy Specialist - Indian and Northern Affairs Canada – Water Resources Division

**Re: Nasittuq Corporation – Hall Beach Project – New Water Licence Application**

**Existing Water Licence # 3BC-FOH0409**

### **Background Information:**

The existing water licence in place for the FOX-M site is issued to DND and is set to expire June 30, 2009. Nasittuq has applied for a new licence as operator of the site (contracted by DND). DND will cancel their licence upon issuance of the new licence to Nasittuq

### **Recommendations / Comments**

#### **1. Waste Disposal and Monitoring**

##### **Sewage Disposal:**

Part D, item 5 and 6 of the existing licence include provisions that require the licensee to submit a report to the Board identifying each Final Discharge Point.

A review of the NWB ftp site yielded no such documentation. The NWB should direct the applicant to submit a report with the required information concerning Final Discharge Points within 3 months of the issuance of the license.

##### **Effluent Monitoring:**

It is unclear, based on information submitted by Nasittuq, how frequently the Licensee proposes to discharge effluent. Currently, the licensee is required to sample the sewage effluent monthly from May to August, for a complete list of parameters as identified in the license. INAC recommends the existing terms and conditions of the licence be imposed in any new licence.

##### **Incineration:**

During inspections carried out July 16, 2007 and August 10, 2008 by an INAC Water Resources Officer, the Licensee was found to be burning materials (including florescent light tubes, paint cans, aerosol cans and oil filters) on site.



In both instances, direction was issued to the Licensee to immediately cease this activity.

Currently, the licence requires that all solid waste be disposed of in an approved solid waste disposal facility (currently Hamlet of Hall Beach) and hazardous waste and waste oil generated through the course of operation be disposed of at an approved hazardous waste disposal site outside of Nunavut. There are no provisions in the current license that allow for open burning or incineration of waste at this site.

Therefore, INAC recommends that the NWB impose conditions that require the Applicant to;

- a) ensure that offsite disposal of hazardous waste and waste oil be in accordance with the Government of Nunavut, Department of Environment's "Environmental Guideline for General Management of Hazardous Waste". Manifests shall be obtained for all such waste disposal transactions and be available at the Inspector's request.
- b) obtain and provide to the NWB written permission from the Hamlet of Hall Beach for solid waste disposal at their landfill site.
- c) ensure that there is no open burning of plastics, wood treated with preservatives, Styrofoam, electrical wire, asbestos, demolition wastes or any other wastes likely to produce dioxins and furans.
- d) ensure that there is no disposal of waste at the site by incineration.

### **Other Concerns and Recommendations:**

#### **1. Owner vs. Operator Responsibility for Site Remediation**

DCC's license (1BR-HAL0815) is issued for landfill monitoring activities. Water use and Waste disposal are not a requirement for the licence. As such, INAC supports a separation of licensing in this instance.

#### **2. Adequacy of Amount and Form of Proposed Security**

The NWB should impose a condition that requires the applicant, on an annual basis, to provide up to date proof of environmental liability insurance. This could be included as a requirement of the Annual Report.

#### **3. Request to treat Stamped and As-Built Drawings of Tank Farms as Confidential**

At this time, INAC has no concerns regarding Nasittuq's request to have the stamped and as-built drawings of the tank farm treated as confidential "by the NWB".



Indian and Northern  
Affairs Canada

Affaires indiennes  
et du Nord Canada

Please feel free to contact me at your convenience should you wish to further discuss any part of this submission to the Board. I can be reached at 867-975-4566 or via email, [tanya.trenholm@inac.gc.ca](mailto:tanya.trenholm@inac.gc.ca).

Sincerely,

Tanya Trenholm

Pollution Policy Specialist  
Indian and Northern Affairs Canada  
Nunavut Regional Office – Water Resources Division

Cc. Kevin Buck, Manager, Water Resources Division – Indian and Northern Affairs Canada;