



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

**Your File: 3BC-SHE----**  
**Our File:**

February 26, 2009

Richard Dwyer  
Licensing Administrator  
Nunavut Water Board  
P.O. Box 119  
Gjoa Haven, NU, X0A 1J0

**Re: Nasittuq Corporation - New Type B Water Licence Application  
Shepherd Bay Project (CAM-3), Kitikmeot Region  
Existing Licences – NWB6SHE0409 issued to Department of National  
Defence (DND) AND 1BR-SHE0510 issued to Defence Construction  
Canada for remediation activities.**

Indian and Northern Affairs Canada (INAC) has completed a review of Nasittuq Corporations New Type B Water Licence Application for the Shepherd Bay Project (CAM-3) situated in the Kitikmeot Region. The proponent submitted their application to the Nunavut Water Board (NWB) on February 13<sup>th</sup>, 2009.

The NWB invited representations to be made to the Board, concerning both applications by February 27, 2009. Concerning the Nasittuq review, the NWB requested the following comments be specifically addressed;

- Owner vs. Operator Responsibility for Site Remediation – There is another water license issued to Defence Construction Canada (1BR-SHE0510) for the clean-up of historical contamination at this site. It is a separate license from the applications referenced above (which relate 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 our review, INAC referred to the documents on the NWB's FTP-Site under 3BC-SHE. 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) 975-4568 or by email at [Ian.Rumbolt@inac-ainc.gc.ca](mailto:Ian.Rumbolt@inac-ainc.gc.ca).

Sincerely,

*Original signed by*

Ian Rumbolt  
Regional Coordinator



## **Technical Review Memo**

To: Richard Dwyer – Licensing Administrator, Nunavut Water Board

From: Ian Rumbolt – Regional Coordinator, Indian & Northern Affairs Canada

Re: **Nasittuq Corporation - New Type B Water Licence Application  
Shepherd Bay Project (CAM-3), Kitikmeot Region  
Existing Licence – NWB6SHE0409 issued to Department of National  
Defence (DND) AND 1BR-SHE0510 issued to Defence Construction  
Canada for remediation activities.**

### **Background**

Nasittuq Corporation (Nasittuq) is applying for a water licence for the Shepherd's Bay Project (CAM-3) and will be taking over all operational and maintenance responsibilities of the site (North Warning System – NWS) from the Department of National Defence (DND). The existing licence issued to DND will expire on February 28<sup>th</sup>, 2009 therefore it is important that a new licence is issued to Nasittuq before the old licence expires. Ongoing remediation by DND at the site is subject to separate licence # 1BR-SHE0510 issued to Defence Construction Canada (DCC) and is not related to the Nasittuq application. It is understood that upon issuance of any new licence to Nasittuq, DND will cancel the existing licence # NWB6SHE0409.

### **Comments/Recommendations:**

- 1) Terms and conditions of existing licence # NWB6SHE0409 issued to DND should be incorporated into the new licence applied for by Nasittuq with some exceptions.
- 2) There should be no open burning of plastics, wood treated with preservatives, electrical wire, Styrofoam, asbestos or painted wood to prevent the deposition of waste materials from incomplete combustion



and/or leachate from contaminated ash residues from impacting any surrounding waters.

- 3) INAC is requesting that the applicant provide more information about the sewage disposal system, specifically, a diagram of the system should be provided as well as a map showing effluent sampling point SHE-2. It was noted in the INAC 2008 inspection report that the current sewage system was unacceptable due to “lack of treatment for sewage or appropriate retention before discharging”. If this is the case then Nasittuq will have to install a proper sewage system (approved by the NWB) for the treatment of this type of waste.
- 4) INAC recommends that the proponent provide secondary containment for all fuels stored on site. The 2008 INAC Inspection Report noted fuel being stored (i.e. jerry cans and drums stored directly on the ground without secondary containment) inappropriately.
- 5) Nasittuq is required to provide an up to date, complete Spill Contingency plan to address fuel/chemical handling, transportation and storage on site. This plan should include but not be limited to; a site diagram, quantities and MSDS of fuels and chemicals, spill kit contents and locations, as well as contact information for persons responsible in the event of a fuel or chemical spill. Training and procedures for spill response should be included into this plan. In addition a copy of Nasittuq’s Environmental Protection Plan – EEP should be provided to the NWB and the INAC Water resources Officer (A. Keim)
- 6) Nasittuq states in their application that non-hazardous materials will be disposed of in an appropriate landfill. There is no information regarding the landfill in the application. Nasittuq must submit a site diagram indicating the landfill location at a minimum. Furthermore, if Nasittuq is proposing to use a landfill site that is approved pursuant to the DND remediation water licence # 1BR-SHE0510, then written permission must be submitted to the NWB. It is noted that the DND remediation licence expires in 2010. Therefore, in addition, Nasittuq should provide a comprehensive waste



management plan to the Board for approval within 3 months of the licence issuance. The plan must contemplate waste disposal options should the landfill be closed and/or backhauling of wastes for disposal at an approved facility.

- 7) If a spill should occur it should be reported immediately to the Spill Line (867-920-8130) as per the Spill Contingency Plan. The contact information for INAC is listed below.

Manager, Field Operations

Tel: (867) 975-4295

Fax: (867) 979-6445

Melissa Joy, Water Resource Officer

Tel: (867) 982-4302

Fax: (867) 982-4307

Email: [Melissa.Joy@inac-ainc.gc.ca](mailto:Melissa.Joy@inac-ainc.gc.ca)

Baba Pederson, Resource Management Officer

Tel: (867) 982-4306

Fax: (867) 982-4307

Email: [Baba.Pedersen@inac-ainc.gc.ca](mailto:Baba.Pedersen@inac-ainc.gc.ca)

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

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

DND's license 1BR-SHE0510 is issued for purposes of site remediation of historical contamination and is separate from site operations. As such, INAC supports a separation of licensing in this instance provided our requests for a determination as to who is approved to operate the landfill is provided.

#### **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".

Should you have any questions or comments, please do not hesitate to contact me at (867) 975-4568 or by email at [Ian.Rumbolt@inac-ainc.gc.ca](mailto:Ian.Rumbolt@inac-ainc.gc.ca).

Sincerely,

*Original signed by*

Ian Rumbolt  
Regional Coordinator

Cc. Kevin Buck, Manager of Water Resources – Indian and Northern Affairs  
Canada, Nunavut Regional Office