



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

April 13, 2015

*Your file - Votre référence*  
1BR-DYE0914

*Our file - Notre référence*  
IQALUIT-#907450

Phyllis Beaulieu  
Manager of Licensing  
Nunavut Water Board  
Gjoa Haven, NU X0E 1J0

**Re: Aboriginal Affairs and Northern Development Canada's (AANDC) Review of  
Defence Construction Canada's Amendment and Renewal Application for Water  
Licence #1BR-DYE0914 – DYE-M, Cape Dyer Landfill Monitoring Program.**

Dear Ms. Beaulieu,

On March 13, 2015, AANDC received notice from the Nunavut Water Board (NWB) regarding the above mentioned application, inviting interested parties to provide comments by April 13, 2015.

AANDC reviewed the amendment application and the results of our review are provided in the enclosed memorandum for the Board's consideration. Comments have been provided pursuant to the Department's mandated responsibilities under the *Nunavut Waters and Nunavut Surface Rights Tribunal Act* and the *Department of Indian Affairs and Northern Development Act*.

Please do not hesitate to contact me at 867-975-3876 or [sarah.forte@aandc-aadnc.gc.ca](mailto:sarah.forte@aandc-aadnc.gc.ca) for any additional information.

Regards,

Sarah Forté  
Water Management Coordinator

c.c.: Erik Allain, Manager of Field Operations, AANDC Nunavut  
Karen Costello, Director Resource Management, AANDC Nunavut



## **Technical Review Memorandum**

To: Phyllis Beaulieu, Manager of Licensing, NWB

From: Sarah Forté, Water Management Coordinator, AANDC

Date: April 13, 2015

Re: Water Licence Amendment and Renewal Application, #1BR-DYE0914

Licensee: Defence Construction Canada  
Project: DYE-M, Cape Dyer Post-Construction Landfill Monitoring Program  
Region: Qikiqtani

---

### **A. BACKGROUND**

On March 13, 2015 the Nunavut Water Board provided notification to interested parties that Defence Construction Canada (DCC) had submitted an application to amend and renew their Type 'B' water licence, #1BR-DYE0914.

The licence is for water use and waste disposal associated with activities located at the DYE-M Distant Early Warning line station at Cape Dyer in the Qikiqtani region of Nunavut. The site was determined to be surplus and remediated under the initial Water Licence NWB5DYE0409, which was subsequently renewed as 1BR-DYE0914. The present application requests an amendment and twenty five year renewal term. Activities on site have changed from site reclamation work to post closure monitoring activities.

The reclamation and remediation work carried out between 2004 and 2014 included demolition of unused buildings, landfarming of hydrocarbon contaminated soil, construction of Tier II soil disposal facilities and non-hazardous waste landfills, removal of hazardous wastes and debris, installation of post-construction monitoring stations and decommissioning of sewage lagoons. Having completed its remediation, DCC will carry out its post-construction landfill monitoring program for 13 landfill areas at the DYE-M site.

A temporary camp for 5 – 8 people will be set up on-site for 5 – 7 days during each monitoring event in order to collect groundwater and soil samples. The monitoring events are planned for years 1, 2, 3, 4, 5, 7, 10, 15 and 25, though this timing may be modified depending on the findings. Bottled water will be used in the camp and DCC is requesting permission to use 0.077 m<sup>3</sup> of water to obtain groundwater samples.



Interested parties were asked to review the information and provide comments by April 13, 2015

## **B. RESULTS OF REVIEW**

### **General**

- 1) The application states that no waste will be generated (Box 14), however there will be a temporary camp and the Remote Camp Questionnaire (Item 32) mentions sewage, greywater and solid waste. According to the Questionnaire the solid wastes will be removed but the sewage and greywater are to be buried on site in pit latrines. AANDC recommends that the licence include terms and conditions for the deposit/management of domestic waste.
- 2) The proposed term of licence on the application is 25 years (Box 25) and the Remote Camp Questionnaire schedule ends after 15 years (Item 5). AANDC recommends a 25 year licence term since activities will not be changing and it fits with the proposed monitoring schedule.
- 3) The annual reporting (Box 26) makes no mention of reporting on waste since no permission to deposit waste was requested. AANDC recommends including waste reporting to the annual report if the application is modified to allow for deposition of sewage and greywater.

### **Spill Contingency Plan**

- 4) The Spill Contingency Plan (SCP) does not appear to include the Nunavut Spill Report Form, as required under Part I, Item 2 of the water licence.
- 5) There is an error in the location name on page 1 of the SCP as it specifies Cape Hooper instead of Cape Dyer.

### **Compliance**

Annual reports have been submitted for the years covered by the licence, 2009 to 2014.

## **C. CONCLUSION**

While some modifications seem appropriate, AANDC considers DCC's renewal application for water licence #1BR-DYE0914 to be receivable.