



Water Resources
Nunavut Regional Office
P.O. Box 100
Iqaluit, NU, X0A 0H0

Your file - Votre référence
1BR-FOD0813

October 7, 2013

Our file - Notre référence
CIDM# 740549

Phyllis Beaulieu
Manager, Licensing
Nunavut Water Board
P.O. Box 119
Gjoa Haven, NU, X0A 1J0

Re: Amendment/Renewal - Defence Construction Canada 1BR-FOD0813 – FOX – 3 Dewar Lakes

Dear Phyllis Beaulieu:

Please be advised that Aboriginal Affairs and Northern Development Canada (AANDC) have completed a review of the submission for the licence amendment/renewal application 1BR-FOD0813 submitted by Defence Construction Canada. The Nunavut Water Board ("NWB") circulated the amendment/renewal application on August 19, 2013. All documents related to the request posted on the NWB ftp site under 1BR-FOD0813 were included in my review (See attached Technical Review Memo).

Should you have any questions or comments, please do not hesitate to contact me at (867) 975-4568 or by e-mail at Rory.MacDonald@aandc-aadnc.gc.ca

Regards,

Sent via Email

Rory MacDonald
Water Resources Technician

Cc. Ian Parsons, A/Manager of Water Resources, AANDC
Erik Allain, Manager of Field Operations, AANDC



Technical Review Memorandum

To: Phyllis Beaulieu – Manager of Licensing, Nunavut Water Board

From: Rory MacDonald – Water Resources Technician, AANDC

Existing Licence: 1BR-FOD0813

Re: Amendment/Renewal - Defence Construction Canada 1BR-FOD0813 – FOX – 3 Dewar Lakes

1. Project Description

FOX – 3, Dewar Lakes is one of the Department of National Defence (DND) North Warning System (NWS) Long Range Radar sites. Due to ongoing facilities use, most of the infrastructure was not slated for demolition and no remedial activities have been completed within operational areas. FOX – 3 is located on central Baffin Island approximately 200km to the southwest of Clyde River.

The original Distance Early Warning (DEW) line system was decommissioned in 1991. DND in cooperation with Nunavut Tunngavik Incorporated (NTI), developed a landfill monitoring plan to address post closure monitoring requirements for landfills at DEW Line Sites in Nunavut (pursuant to the *September 1, 1998 Department of National Defence – Nunavut Tunngavik Inc. Agreement for the Clean-up and Restoration of DEW Line Sites within the Nunavut Settlement Area*). Defence Construction Canada will be managing the clean-up and monitoring on behalf of DND. The objective of the program is to collect sufficient information to assess the performance of landfills from a geotechnical and environmental perspective. Program components consist of visual monitoring, soil monitoring, groundwater monitoring, and thermal monitoring.

The program schedule is a three (3) phased approach with monitoring occurring in years 1 through 5 in Phase I. The second phase monitoring schedule is years 7, 10, 15, and 25, with year 25 marking the end of Phase II monitoring. A re-evaluation of the monitoring program will be carried out during Phase III. The scope of Phase III has not been determined; however it is anticipated to be based on a 10 year monitoring interval.

A licence term of 23 years is being requested with water use limited throughout the licence term. No water will be used for domestic or construction purposes. Small quantities (approximately 1L) of water will be taken from existing monitoring wells to carry out the groundwater monitoring component of the program.

2. Results of Review and Recommendations

AANDC Water Resources Division offers the following comments/recommendations for the Board's consideration.

A. General

- AANDC finds the following application to be complete.
- The contact information for the "AANDC Water Resources Inspector" listed in Section 3.2 of the submitted Spill Contingency Plan is incorrect and should be replaced with the contact information for AANDC's Manager of Field Operations. The manager can be reached by telephone at (867) 975 4295 and fax at (867) 975 6445.



- AANDC notes that no annual report has been provided for 2012 to date. Part B, Item 1 – General Conditions of the water licence 1BR-FOD0813 – requires the licensee to provide the Board with annual reports for each year of the appurtenant undertaking. AANDC recognizes that remediation was substantially completed in 2011 on site; however, it is recommended that the Proponent provide a report indicating what work, if any, has been conducted in 2012, as per licence conditions.