



Water Resources  
Nunavut Regional Office  
P.O. Box 100  
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June 15, 2011

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

Your file - Votre référence  
3BC-GLF----  
Our file - Notre référence  
CIDM# 469112

**Re: 3BC-GLF---- New Water License Application – Glacier Fiord Project –  
Geological Survey of Canada – Qikiqtani Region**

Aboriginal Affairs and Northern Development Canada (AANDC) has performed a review of the new water license application, 3BC\_GLF---- (Glacier Fiord Project), submitted by Geological Survey of Canada (GSC) to the Nunavut Water Board (NWB). The following advice has been provided pursuant to AANDC's mandated responsibilities for the enforcement of the *Nunavut Waters and Nunavut Surface Rights Tribunal Act* (NW&NSRT) and the *Department of Indian Affairs and Northern Development Act* (DIAND Act). In conducting our review, AANDC referred to the documents on the NWB's FTP-site under 3BC-GLF-----.

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

Sincerely,

*Original Signed By*

Eva Paul  
Water Resources Technician

Cc. Tanya Trenholm, A/Manager of Water Resources, Aboriginal Affairs and  
Northern Development Canada, Nunavut Regional Office  
Kevin Robertson, A/Manager of Field Operations, Aboriginal Affairs and  
Northern Development Canada, Nunavut Regional Office



## **Technical Review Memorandum**

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

From: Eva Paul – Water Resources Technician, Aboriginal Affairs and Northern Development Canada.

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**Re: 3BC-GLF---- New Water License Application – Glacier Fiord Project – Geological Survey of Canada – Qikiqtani Region**

### **A. Project Description**

On May 17, 2011 the Nunavut Water Board (the Board) distributed GSC's application for a Type B water licence to allow for the use of water and disposal of waste associated with their Glacier Fiord Stratigraphy Project. GSC has requested a license term of one year.

GSC is proposing three small short-term camps for the purpose of collecting small geological samples for chemical and fossil analysis and geological mapping. The camps would operate concurrently during the month of July 2011. The principal camp would be located on Axel Heiberg Island at Glacier Fiord, and would comprise of five people for one week. The second would be based at the Eureka airport on Ellesmere Island, and two crews of two to four people would fly in to two sites within 150 kms of Eureka, camping for up to several days to reduce helicopter usage, with an estimated total of 10 person-days.

Field work would be conducted on foot using hand tools, therefore no drilling, motorized equipment, or chemicals will be used.

Water usage is anticipated to be minimal: 0.2m<sup>3</sup> per day per camp, for camp uses only. Water will be bucketed by hand from unnamed creeks in proximity to camp locations, and will be visually inspected for fish/freshwater life.

### **B. Results of Review**

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

#### **1. General**

AANDC recommends that the applicant obtain written confirmation and



authorization from any municipality for the use of their facilities to dispose of wastes and provide a copy of the authorization to the Board.

## **2. Camp**

INAC notes that incineration of food wastes is mentioned in the Camp Questionnaire, but an incinerator is not mentioned. Similarly, burn pits are mentioned in the Spill Plan. INAC does not encourage open burning. Rather, the disposal of waste materials in approved facilities is preferred.

## **3. Contingency Plan**

INAC recommends that the Contingency Plan be updated prior to the field season to include the following information:

- a) An onsite contact number (SAT number).
- b) Material Safety Data Sheets.

## **4. Abandonment and Restoration Plan**

While no specific A & R plan was provided, INAC feels that the provisions for waste removal and site cleanup provided in the application and camp questionnaire are sufficient to the size and scale of the camp. The applicant should be required to restore the site according to provisions identified in the application.

Cc. Tanya Trenholm, A/Manager of Water Resources, Aboriginal Affairs and Northern Development Canada, Nunavut Regional Office  
Kevin Robertson, A/Manager of Field Operations, Aboriginal Affairs and Northern Development Canada, Nunavut Regional Office