



May 22, 2013

Our reference  
CIDM# 669138

Your reference  
3BC-GCS1212

Phyllis Beaulieu  
Licencing Administrator  
Nunavut Water Board  
Gjoa Haven, NU, X0E 1J0

**Re: 3BC-GCS1212 – Glacier/Climate Studies on the Prince of Wales Icefield –  
Shawn Marshall, University of Calgary – Qikiqtani Region – Licence  
Renewal Application**

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Dear Ms. Beaulieu,

Thank you for your email on April 23, 2013, concerning the above mentioned water licence application.

A memorandum is provided 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 by telephone at 867-975-4566 or email at [Bradley.Summerfield@aandc-aadnc.gc.ca](mailto:Bradley.Summerfield@aandc-aadnc.gc.ca) for further comments or any questions.

Sincerely,

Bradley Summerfield  
Water Resource Technician  
Aboriginal Affairs and Northern Development Canada  
P.O. Box 100  
Iqaluit, NU, X0A 0H0

c.c.: Murray Ball, Manager of Water Resources, AANDC  
Ian Parsons, Regional Coordinator, AANDC  
Erik Allain, Manager of Field Operations, AANDC



## Memorandum

**TO** Phyllis Beaulieu  
Manager of Licencing  
Nunavut Water Board

OUR REFERENCE  
CIDM# 669138

YOUR REFERENCE  
3BC-GCS1212

**FROM** Bradley Summerfield  
Water Resources Technician  
Aboriginal Affairs and Northern  
Development Canada

DATE  
May 22, 2013

**Re: 3BC-GCS1212 – Glacier/Climate Studies on the Prince of Wales Icefield –  
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### A. BACKGROUND INFORMATION

On April 23, 2013 the Nunavut Water Board provided notification to Aboriginal Affairs and Northern Development Canada (AANDC) that Shawn Marshall, on behalf of the University of Calgary had submitted an application for a Type B Water Licence Renewal, No. 3BC-GCS1212. The submitted information is as follows:

1. Water Licence Renewal Application form, dated March 30, 2013.
2. Exploration/Remote Camp Supplementary Questionnaire, dated April 8, 2013.
3. Project Description
4. Annual Report, dated April 23, 2013.

The licence application is requested for a period of 1 month (May 2013) when the applicant will be on site from May 13 to the 22 collecting previously installed equipment on the glacier. Water use will come from melting snow and will be used exclusively for camp purposes while the team of researchers carries out their work.



## **B. RESULTS OF REVIEW**

On behalf of AANDC, the following comments/ recommendations are submitted to the Nunavut Water Board for consideration:

### **1. General**

- AANDC notes that the deadline for interested parties to review the information and provide comments is May 22, 2013 which is after the applicants proposed start date of May 13, 2013.

### **2. Water Licence Application Form and Exploration/Remote Camp Supplementary Questionnaire**

#### Nunavut Impact Review Board (NIRB) Screening

- AANDC notes that proponent intends on setting up camp on the icefield despite the stipulation set forth by the original NIRB screening in 2012 requiring the camp to be located on “gravel, sand, or other durable land.”

#### Treatment of Waste

- AANDC notes that the Licensee indicated that Greywater will be “deposited in a snowpit” on the Glacier. AANDC notes that the “Licensee shall contain all Greywater in a sump at least thirty one (31) metres above the ordinary high water mark of any water body, at a site where direct flow into a water body is not possible and no additional impacts are created, unless otherwise approved by the Board in writing,” according to the Licence issued in 2012 (Part D, 8.) Therefore AANDC recommends that all waste produced on the glacier be removed to a proper preapproved disposal facility.

#### Camp location

- AANDC notes that there is a discrepancy of approximately 20km between the GPS coordinates for the previously approved camp location from the 2011 Licence Application and the proposed 2013 Licence Renewal Application. AANDC recommends that the actual camp coordinates be submitted to the Waterboard for review.



### **3. Fuel Spill Contingency Plan**

- AANDC notes that it is important to follow proper spill kit procedures if a spill should occur. The proponent indicates a spill remediation method of, “mopping up any spills.” AANDC recommends that the proponent clarify how they properly intend to remediate any spill occurring on different substrates.
- AANDC recommends that all fuel be stored in proper secondary containment in order to prevent spillage, and that drip pans be used during refueling.
- AANDC recommends that the Fuel Spill Contingency Plan be amended to reflect the camp being located on the icefield.

Prepared by Bradley Summerfield