



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

NWB#: 3BC-CBA----  
CIDMS#: 399814

May 5, 2010

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

**Re: New Application, Cape Bounty Arctic Watershed Observatory Project  
(NWB#: 3BC-CBA----), Dr. Scott Lamoureux, Queen's University**

Please be advised that Indian and Northern Affairs Canada (INAC) has completed a review of the Queen's University's New Application for a Water License #3BC-CBA, Cape Bounty Arctic Watershed Observatory Project located in the Qikiqtani Region of Nunavut. All associated documents related to this license posted on the NWB ftp website under 3BC-CBA were included in my review (please see attached technical memo for recommendations).

Should you have any questions or comments, please do not hesitate to contact me at (867) 975-4738 or by email at [Andrea.Cull@ainc-ianc.gc.ca](mailto:Andrea.Cull@ainc-ianc.gc.ca)

Yours truly,

*Original Signed By*

Andrea Cull  
Water Management Specialist

Cc: Lou-Ann Cornacchio, Water Resources Manager, INAC



## Technical Review Memo

To: Phyllis Beaulieu, Manager of Licensing, NWB

From: Andrea Cull, Water Management Specialist, INAC

---

**Re: New Application, Cape Bounty Arctic Watershed Observatory Project (NWB#: 3BC-CBA----), Dr. Scott Lamoureux, Queen's University**

### **BACKGROUND:**

Dr. Scott Lamoureux, Queen's University, submitted an application for a new water license to the Nunavut Water Board (NWB) on March 26, 2010.

The Queen's University is going to study how changes to the climate will affect things like river flow, vegetation, snow cover, permafrost, lake temperature, ice thickness, and the health of char. They will be recording stream flow, weather conditions, plant communities, and lake temperature. They will also be obtaining sediment core from the lakes to see how the landscape has changed in the past.

INAC recommends that the Board impose applicable standard conditions to this new water license. In addition, the following comments/ recommendations are provided for your consideration in the licence approval process.

### **COMMENTS/RECOMMENDATIONS:**

#### **1. Spill Contingency Plan**

The Spill Contingency Plan should make reference to the Nunavut Spill Report Line and include a copy of the Nunavut Spill Report Form. This form can be obtained from the Nunavut Water Board public registry at <http://www.nunavutwaterboard.org>. Please note that the 24-hour Spill Report Line telephone number is (867) 920-8130 and facsimile number is (867) 873-6924. Furthermore, INAC requests the proponent report all spills to Peter Kusugak, INAC Manager of Field Operations, phone: 867-975-4295, fax 867 975-6445 as well as the Nunavut Spill Report Line.

#### **2. Waste**

##### **a). Camps / Wastewater Disposal**

INAC recommends that all sumps for the disposal of grey water should be located a minimum distance of 31m from any water body and such that there are no adverse effects to water quality. Furthermore, all sumps



should be treated, backfilled and contoured to match the surrounding landscape prior to the end of the field program.

b). No Open Burning

According to EC's Technical Document for Batch Waste Incineration Guidelines, there should be no open burning of plastics, wood treated with preservatives, electrical wire, Styrofoam, asbestos or painted wood. This is to prevent the deposition of waste materials from incomplete combustion and/or leachate from contaminated ash residues from affecting any surrounding waters.

Prepared by: Andrea Cull, Water Management Specialist, INAC

Cc: Lou-Ann Cornacchio, Water Resources Manager, INAC