



Indian and Northern
Affairs Canada

Affaires indiennes
et du Nord Canada

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

246594
9545-2-3.3BC.FXBA

August 22, 2008

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

Re: 3BC-FXB – Foxe Basin Project, Université Laval – New Type B Water Licence Application

Please be advised that Indian and Northern Affairs Canada (INAC) has completed a review of a new Type B Water License Application for the Foxe Basin Project in the Qikiqtani Region. The application was submitted to the Nunavut Water Board (NWB) on June 25, 2008 by Reinhard Pienitz of the Université Laval. In conducting the review documents on the NWB's FTP-site under 3BC-FXB were referred to.

Please feel free to contact me should you have any questions or comments. I can be reached by phone at (867) 975-4548 or by e-mail at TessierGagneJ@inac-ainc.gc.ca.

Sincerely,

Original signed by

Joëlle Tessier Gagné
Water Resource Analyst

Cc. Kevin Buck, Manager of Water Resources – Indian and Northern Affairs Canada,
Nunavut Regional Office



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Technical Review Memo

To: Richard Dwyer, Licensing Administrator, NWB
From: Joëlle Tessier Gagné, Water Resource Analyst, INAC

**Re: 3BC-FXB – Foxe Basin Project, Université Laval – New Type B Water
Licence Application**

Project:

The Université Laval, headed by Reinhard Pienitz, is conducting a multi year research project which will involve collecting information on past climates from a series of lakes in the Foxe Basin Region. A helicopter will be chartered to explore the study area and to reach the appropriate study sites. For on-the-ground exploration of potential study sites in the immediate vicinity of Cape Dorset, transportation will be provided by ATVs. No structure will be erected, and the impacts of the lake sediment sampling on the environment will be minimal.

It was noted in the *Water Licence Application Form* under Item 14 that the applicant has not yet submitted all the required documents. INAC recommend that those documents be received prior to the application approval.

These are:

- Supplementary Questionnaire
- Application fee of \$30.00 (Payee Receiver General for Canada)
- Water Use fee of \$30.00 (Payee Receiver General for Canada)

INAC is further recommending that the Nunavut Water Board impose standard conditions suitable for this size of project in order to prevent or minimize any adverse environmental impacts as a result of water use and associated waste disposal. These conditions should ensure:



- The Proponent is required to remove all waste materials such as general wastes, chemicals used at the camps, and petroleum products and back hauled for proper disposal at an approved facility;
- That any spills of fuels, hydrocarbon related liquids, chemicals, and any other materials must be cleaned up immediately. Any waste resulting from such clean-up activity must be disposed of at an approved waste disposal site or treatment facility off site;
- That there is no open burning of plastics, wood treated with preservatives, electrical wire, Styrofoam, asbestos or painted wood to prevent the deposition of waste materials from incomplete combustion and/or leachate from contaminated ash residues from impacting any surrounding waters;
- A clear, detailed site map is needed for the project area making sure to include the GPS coordinates of water bodies any other relevant information.

Cc.: **Kevin Buck**, Manager of Water Resources – Indian and Northern Affairs Canada,
Nunavut Regional Office