



December 7, 2011

Our reference
IQALUIT-#494817

Sent by email: iporter@nunavutwaterboard.org

Ida Porter
Licensing Administrator
Nunavut Water Board
Gjoa Haven, Nunavut
X0E 1J0

Your reference
3BC-PRO0914

**Re: Type 'B' Water Licence No. 3BC-PRO0914, Amendment Application
No. 2 – The Provenance of Clastic Sediments in the Sverdrup Basin,
Canadian Arctic Islands Project – University of Cambridge –
Qikiqtani Region**

Dear Ida,

Thank you for your November 7, 2011 request for written representations on the
above referenced amendment application.

A Technical Review Memorandum is provided for the Board's consideration.

Please do not hesitate to contact me by telephone at 867 975-4555 or email at
David.Abernethy@aandc-aadnc.gc.ca to discuss this submission.

Regards,

David W. Abernethy
A/ Manager of Water Resources
Operations Directorate
Nunavut Regional Office
Iqaluit, Nunavut
X0A 0H0

Encl.

Cc: Ian Parsons, Water Resources Regional Coordinator
Kevin Robertson, A/ Manager of Field Operations

Technical Review Memo

TO	Ida Porter Licensing Administrator Nunavut Water Board	OUR REFERENCE File #9545-2-3.3BC.PROA IQALUIT-#494817
FROM	David Abernethy A/ Manager of Water Resources Aboriginal Affairs and Northern Development Canada	YOUR REFERENCE 3BM-PRO0914 DATE December 7, 2011
SUBJECT	Type 'B' Water Licence No. 3BC-PRO0914, Amendment Application No. 2 – The Provenance of Clastic Sediments in the Sverdrup Basin, Canadian Arctic Islands Project – Canadian Arctic Shelf Programme (CASP) University of Cambridge – Qikiqtani Region	

A. PROJECT DESCRIPTION

On November 7, 2011 the Nunavut Water Board (the Board) distributed the CASP University of Cambridge's application to amend their Provenance of Clastic Sediments in the Sverdrup Basin, Canadian Arctic Islands Project to allow for a change in location of field campsites. Included in the application were a licence amendment application form, a revised spill contingency plan, location maps, a 2010 financial statement, and a non-technical summary. As stated in this summary, "the purpose, goals, and objectives outlined in the original licence paperwork have not changed. The amendment required is a change to the proposed camp sites."

Project activities comprise of geological fieldwork involving small temporary fly camps that can accommodate four to six people. There is no construction of permanent structures. Annual field activities are carried out during the spring and summer months over a period of 6 to 10 weeks.

The proposed camp site amendments are within Ellesmere Island's Fosheim Peninsula. They are as follows,

- **Amended Camp Site A.** Disused air strip to the west of Sawtooth Range: 79°32'24.361"N, 084°06'19.294"W;
- **Amended Camp Site B.** South of Mount Bridgman – 79°49'42.917"N, 082°34'22.747"W; and,

- **Amended Camp Site C.** Southeast of Mount James – 79°11'51.44"N, 83°02'48.631"W.

The areas covered by the original application and first licence amendment application should be noted.

Area covered by original application: Fosheim Peninsula (2009 application):

- **Original Camp A.** Canon Fiord Camp – 79.833°N, 082.50°W; and,
- **Original Camp B.** Notch Lake Camp – 79.50°N, 083.167°W.

Area covered by licence Amendment No. 1: Raanes Peninsula, Ellesmere Island:

- **2010 Camp A.** Blind Fiord, Raanes Peninsula – 78.25°N, 085.50°W; and,
- **2010 Camp B.** Troid Fiord, Raanes Peninsula – 78.70°N, 084.45°W

B. RESULTS OF REVIEW

The following comments/ recommendations are provided for the Board's consideration,

- The Aboriginal Affairs and Northern Development Canada's Water Resources Division supports the CASP, University of Cambridge's licence amendment application.
- The project's 2010 Annual Report does not include a summary of waste disposal activities or descriptions of all progressive and/ or final reclamation work undertaken in the project area (including photographic records of site conditions before, during, and after completion of operations) as required by Part B, Item 2 of the project's licence. The CASP, University of Cambridge should ensure this information is included in future annual report submissions.

Prepared by David Abernethy