



NIRB File No. 11YN002

February 25, 2011

Brett Hamilton
2500 University Drive NW
Calgary, AB
T2N 1N4

Via email: brett.hamilton@ucalgary.ca

Re: Notice of Part 4 Screening for University of Calgary's (Brett Hamilton) "Metamorphic Geology and Tectonics of Cumberland Peninsula, Baffin Island" project proposal

Dear Brett Hamilton:

On February 10, 2011 the Nunavut Impact Review Board (NIRB or Board) received your "Metamorphic Geology and Tectonics of Cumberland Peninsula, Baffin Island" project proposal from the Nunavut Research Institute (NRI). The NIRB has assigned this project proposal file number 11YN002- please reference this file number in related future correspondence.

This proposed research project is located near Celephane Bay and Totnes Road, Cumberland Peninsula on eastern Baffin Island approximately 143 kilometres east of Pangnirtung. The objective of the proposed project is to continue geological mapping of the Cumberland Peninsula using specialized techniques, and to combine study results with other concurrent regional geological studies to better understand the tectonic history of this region. The program is proposed to take place from June 28, 2011 to August 9, 2011.

The project activities would include:

- Establishment of 4 temporary 2-person field camps;
- Transport of personnel, supplies and equipment via helicopter from Pangnirtung;
- Garbage gathered and disposed of at Pangnirtung;
- Use of an inflatable Zodiac boat for personnel transport as needed;
- Storage of fuel and naphtha at camp site;
- 4 day helicopter-assisted mapping program;
- Collection of rock samples for laboratory analysis;
- Employment of a Pangnirtung resident for assistance.

All documents received and pertaining to this project proposal can be obtained from the NIRB's ftp site at <http://ftp.nirb.ca/01-SCREENINGS/ACTIVE%20SCREENINGS/11YN002-U%20of%20C-Brett%20Hamilton/> including:

- *NRI Scientific Research Licence Application Form in English*
- *Map*
- *Non technical Project Proposal summary in English*
- *Non technical Project Proposal summary in Inuktitut*

Pursuant to Part 4, Article 12 of the Nunavut Land Claims Agreement (NLCA), the NIRB shall proceed to screen this project proposal. The NIRB may request additional information at any time during the process. The NIRB will copy you on screening process related correspondence and upload related documents to the above ftp site for public access.

Be advised that the NIRB is copying parties and municipalities potentially affected by this project proposal. Interested parties are encouraged to comment directly to the NIRB by **March 7, 2011**.

The NIRB would like parties to provide comments regarding:

- Whether the project proposal is likely to arouse significant public concern; and if so, why;
- Whether the project proposal is likely to cause significant adverse eco-systemic and socio-economic effects; and if so, why;
- Whether the project is of a type where the potential adverse effects are highly predictable and mitigable with known technology, (please provide any recommended mitigation measures); and
- Any matter of importance to the Party related to the project proposal.

Please note that proposed project-specific terms and conditions, should the project proceed, have been attached for consideration and comment (**Appendix A**).

Please send your comments to the NIRB at info@nirb.ca or via fax at **(867) 983-2594**.

If you have any questions or concerns, feel free to contact me directly at (867) 983-4619 or kgillard@nirb.ca.

Sincerely,



Kelli Gillard B.Sc., P.Ag.
Technical Advisor
Nunavut Impact Review Board

cc: Distribution List
Mosha Cote, NRI
Nigel Qaumariaq, QIA
Phyllis Beaulieu, NWB
Jeff Mercer, INAC

Attachments: Appendix A – *Proposed Project Specific Terms and Conditions*

Enclosures (2): Comment Forms (English and Inuktitut)

Appendix A
Proposed Project Specific Terms and Conditions

The following is a list of project-specific terms and conditions which, should the project proceed, may be recommended to be attached to any approval.

General

1. University of Calgary – Brett Hamilton (the Proponent) shall maintain a copy of the Project Terms and Conditions at the site of operation at all times.
2. The Proponent shall forward copies of all permits obtained and required for this project to the Nunavut Impact Review Board (NIRB) prior to the commencement of the project.
3. The Proponent shall operate in accordance with all commitments stated in correspondence provided to NIRB (NRI Scientific Research License Application, February 9, 2011).
4. The Proponent shall operate the site in accordance with all applicable Acts, Regulations and Guidelines.

Waste Disposal

5. The Proponent shall keep all garbage and debris in bags placed in a covered metal container or equivalent until disposed of at an approved facility. All such wastes shall be kept inaccessible to wildlife at all times.

Fuel Storage

6. The Proponent shall locate all fuel a minimum of thirty-one (31) metres away from the high water mark of any water body and in such a manner as to prevent their release into the environment.
7. The Proponent shall ensure that re-fuelling of all equipment occurs a minimum of thirty-one (31) metres away from the high water mark of any water body.
8. The Proponent shall ensure that all personnel are properly trained in fuel handling procedures, as well as spill response procedures. All spills of fuel or other deleterious materials of any amount must be reported immediately to the 24 hour Spill Line at (867) 920-8130.

Wildlife - General

9. The Proponent shall ensure that there is no damage to wildlife habitat in conducting this operation.
10. The Proponent shall not harass wildlife. This includes persistently worrying or chasing animals, or disturbing large groups of animals. The Proponent shall not hunt or fish, unless proper Nunavut authorizations have been acquired.
11. The Proponent shall ensure that all project personnel are made aware of the measures to protect wildlife and are provided with training and/or advice on how to implement these measures.

Migratory Birds and Raptors Disturbance

12. The Proponent shall not disturb or destroy the nests or eggs of any birds. If nests are encountered and/or identified, the Proponent shall take precaution to avoid further interaction and or disturbance (e.g., a 100 metre buffer around the nests). If active nests of any birds are discovered (i.e. with eggs or young), the Proponent shall avoid these areas until nesting is complete and the young have left the nest.

Aircraft Flight Restrictions

13. The Proponent shall restrict aircraft/helicopter activity related to the project to a minimum altitude of 610 metres above ground level unless there is a specific requirement for low-level flying, which does not disturb wildlife and migratory birds.
14. The Proponent shall ensure that aircraft maintain a vertical distance of 1000 metres and a horizontal distance of 1500 metres from any observed groups (colonies) of migratory birds. Aircraft should avoid critical and sensitive wildlife areas at all times by choosing alternate flight corridors.
15. The Proponent shall ensure that aircraft/helicopter do not, unless for emergency, touch-down in areas where wildlife are present.
16. The Proponent shall advise all pilots of relevant flight restrictions and enforce their application over the project area, including flight paths to/from the project area.

Caribou and Muskoxen Disturbance

17. The Proponent shall cease activities that may interfere with the migration or calving of caribou or muskox, until the caribou or muskox have passed or left the area.

Temporary Camps

18. The Proponent shall ensure that all camps are located on gravel, sand or other durable land.

Restoration of Disturbed Areas

19. The Proponent shall remove all garbage, fuel and equipment upon abandonment.

Other

20. The Proponent should, to the extent possible, hire local people and to consult with local residents regarding their activities in the region.
21. Any activity related to this application, and outside the original scope of the project as described in the application, will be considered a new project and should be submitted to the NIRB for Screening.