



NIRB File No. 12YN024

May 14, 2012

Ok-Sun Kim
Senior Research Scientist
Korea Polar Research Institute

Via email: oskim@kopri.re.kr

Re: Notice of Part 4 Screening for the Korea Polar Research Institute's "Permafrost Atmospheric Science in Cambridge Bay, Canada" project proposal

Dear Ok-Sun Kim:

On May 2, 2012 the Nunavut Impact Review Board (NIRB or Board) received the Korea Polar Research Institute's (KOPRI) "Permafrost Atmospheric Science in Cambridge Bay, Canada" project proposal from the Nunavut Research Institute (NRI). NIRB has assigned this project proposal file number **12YN024** - please reference this file number in related future correspondence.

The project is located within the municipal boundaries of Cambridge Bay. The program is proposed to take place from late June to early July annually until 2016, and intends to characterize various ecological data samples and their responses to climate change.

The proposed project activities and components include:

- Transportation of 5-7 project personnel from Cambridge Bay to research sites using vehicles along established roads and foot travel across land;
- Collection of soil samples using a corer;
- Hand collection of water samples;
- Hand collection of vegetation samples;
- Set-up a sonic anemometer to collect wind data;
- Use of an infrared gas analyzer to measure Carbon Dioxide (CO₂) concentrations;
- And use of an aethalometer to measure black carbon concentrations.

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/12YN024-Korea%20Polar%20Institute-Permafrost%20Atmospheric/> including:

- *NRI Scientific Research Licence Application in English*
- *Maps*

- *Non technical Project Proposal summary in English*
- *Non technical Project Proposal summary in Inuinnaqtun*

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 **May 24, 2012**.

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) 983-4603 or tbolt@nirb.ca.

Sincerely,



Tannis Bolt
Assistant Technical Advisor
Nunavut Impact Review Board

cc: Distribution List
Mosha Cote, NRI

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

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

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. The Korea Polar Research Institute (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 provided to the Nunavut Research Institute (Application for Scientific Research Licence, April 29, 2012; Non-Technical Project Summary, April 29, 2012) and as stated in email correspondence provided to the NIRB (May 8, 2012 and May 10, 2012).
4. The Proponent shall operate the site in accordance with all applicable Acts, Regulations and Guidelines.

Water

5. The Proponent shall not extract water from any fish-bearing waterbody unless the water intake hose is equipped with a screen of appropriate mesh size to ensure that there is no entrapment of fish. Small lakes or streams shall not be used for water withdrawal.
6. The Proponent shall not use water, including constructing or disturbing any stream, lakebed or the banks of any definable water course unless approved by the Nunavut Water Board.

Waste

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

Wildlife

8. The Proponent shall ensure that there is no damage to wildlife habitat in conducting this operation.
9. 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.
10. The Proponent shall not disturb or destroy the nests or eggs of any birds. 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.
11. The Proponent shall cease activities that may interfere with migration or calving of caribou or muskox, until the caribou or muskox have passed or left the area.
12. The Proponent shall ensure all project staff are trained in appropriate bear/carnivore detection and deterrent techniques.

Physical Environment

13. The Proponent shall not move any equipment or vehicles unless the ground surface is in a state capable of fully supporting the equipment or vehicles without rutting or gouging. The Proponent shall suspend overland travel of equipment or vehicles if rutting occurs.
14. The Proponent shall ensure that the land use area is kept clean and tidy at all times.

Restoration

15. The Proponent shall remove all garbage and equipment upon abandonment.
16. The Proponent shall complete all clean-up and restoration of the lands used prior to the expiry date of the permit.

Other

17. The Proponent should, to the extent possible, hire local people and consult with local residents regarding their activities in the region.