



NIRB File No. 10YN041

NRI Licence No.: 01-035-09R-M

PCSP: 634-10

May 5, 2010

Reinhard Pienitz
Centre D'études Nordiques, Université Laval
Pavillon Abitibi-Price, local 1232
2405, rue de la Terrasse
Québec, QC, G1V 0A6

Via email: reinhard.pienitz@cen.ulaval.ca

Re: Notice of Part 4 Screening for Reinhard Pienitz's "Paleoclimates and Limnology of the Foxe Basin and Surrounding Regions" project proposal

Dear Reinhard Pienitz:

On April 21, 2010 the Nunavut Impact Review Board (NIRB or Board) received Reinhard Pienitz's "Paleoclimates and Limnology of the Foxe Basin and Surrounding Regions" project proposal from the Canadian Wildlife Service. NIRB has assigned this project proposal file number **10YN041** - please reference this file number in related future correspondence.

The project is located in the South Baffin Region approximately 250 kilometres north east of Cape Dorset and approximately 280 kilometres west of Pangnirtung. The program is proposed to take place from July 30 to August 3, 2010 with the objective of reconstructing past climates through sediment sampling from a series of lakes in the Foxe Basin (located in the vicinity of Koukdjuak, Nikko Island) to determine the potential responses of northern lakes and their watersheds to past climate changes in order to predict future impacts of climate change.

The project activities include:

- Research activities will be based out of existing CWS cap at Nikko Island;
- 7 researchers will be involved in the proposed project;
- Collection of lake sediment samples using 1 m long sediment corers;
- Collection of lake water samples (1 litre sample bottles);
- Use of Echosounder ("fish finder") to explore lake depth characteristics;
- Installation of a permanent automated meteorological station (1.5 m² x 2 m high) on Nikko Island;
- Use of inflatable zodiac for travel on lakes; and,
- Use of helicopter for personnel pick up and drop-offs from sample lakes.

All documents received and pertaining to this project proposal can be obtained from NIRB's ftp site at

<http://ftp.nirb.ca/SCREENINGS/ACTIVE%20SCREENINGS/10YN041-U%20Laval%20-%20Pienitz/1-SCREENING/> including:

- *NIRB Part 1 Summary Application Form in English and Inuktitut*
- *Maps*
- *Non technical Project Proposal summary in English and 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 interested parties and municipalities most affected by your project proposal. Interested parties are encouraged to comment directly to the NIRB by **May 17, 2010**.

The NIRB would like parties to provide comments regarding:

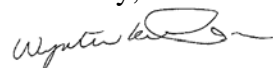
- Whether the project proposal is likely to arouse significant public concern; and if so, why;
- Whether the project proposal is likely to cause significant adverse eco-systemic and socio-economic effects; and if so, why;
- Whether the project is of a type where the potential adverse effects are highly 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) 983-4609 or wkuliktana@nirb.ca.

Sincerely,



Wynter Kuliktana - Assistant Technical Advisor
Nunavut Impact Review Board

cc: Distribution List
Sui-Ling Han, Canadian Wildlife Service
Phyllis Beaulieu, Nunavut Water Board
Moshia Cote, Nunavut Research Institute

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

Enclosures: 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. Reinhard Pienitz (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 the site in accordance with all applicable Acts, Regulations and Guidelines.

Water

4. 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.
5. 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

6. The Proponent shall ensure all wastes from the project sites are removed to an approved facility for disposal at the end of the field season.
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 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.
11. 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.
12. The Proponent shall ensure that aircraft/helicopter do not, unless for emergency, touch-down in areas where wildlife are present.

13. 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.
14. 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.
15. The Proponent shall ensure all project staff are trained in appropriate bear/carnivore detection and deterrent techniques.

Physical Environment

16. The Proponent shall ensure that the land use area is kept clean and tidy at all times.
17. The Proponent shall complete all clean-up and restoration of the lands used prior to the expiry date of the permit.

Camp

18. The Proponent shall ensure that all camps are located on gravel, sand or other durable land.
19. The Proponent shall not erect camps or store material on the surface ice of lakes or streams.

Other

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