



NIRB File No.: 14YN040

December 18, 2014

Marcel Babin
Laval University
1045 ave de la Médecine
Québec, QC G1V 0A6

Sent via email: marcel.babin@takuvik.ulaval.ca

Re: Notice of Part 4 Screening for the University of Laval's "Green Edge" Project Proposal

Dear Marcel Babin:

On December 15, 2014 the Nunavut Impact Review Board (NIRB or Board) received the University of Laval's (the Proponent) "Green Edge" project proposal from the Nunavut Research Institute (NRI). The NIRB has assigned this project proposal file number **14YN040** - please reference this file number in related future correspondence.

The proposed project is located in the South Baffin region approximately 20 kilometres (km) east of Qikiqtarjuaq. The program is proposed to take place from March 9 to July 13, 2015 and is intended to improve understanding of the processes that control the Arctic phytoplankton spring bloom as it expands northward and to determine its fate in the food web by investigating related carbon fluxes.

The proposed project activities include:

- Use of accommodations and installation of approximately 2 research tents in Qikiqtarjuaq;
- Establishment of a temporary research station on ice for approximately 4 personnel;
 - To be comprised of approximately 3 tents and heated by drip diesel furnaces;
 - Electricity via 3-5 generators;
- Seasonal transportation of project equipment and personnel to sampling locations via snowmobiles, or;
- Use of 1 inflatable zodiac boat for emergency purposes;
- Measure sea ice, ocean water and sediment using ice corers, augers and miscellaneous equipment including but not limited to:
 - Sediment traps and ring nets to measure particles and zooplankton respectively;
 - CTD (Conductivity [salinity], Temperature and Depth) instrument deployed via a portable hand held winch;

- Approximately 2 buoys tethered to the ice and to be recovered prior to the ice melt or ice break-up to measure temperature in snow and ice, ice thickness, and currents;
- Installation of a temporary meteorological tower to measure temperature, wind and snow;
- Sampling to be conducted via the CCGS Amundsen vessel or its barge during the 2016 melt season (specific route not yet planned);
- Use and storage of fuel (approximately 3,400 litres [L] of diesel, 70 L of gasoline and 170 L of furnace oil) and varying amounts of hazardous materials and chemicals for research purposes (including acids/bases, solvents, powders, radioisotopes);
- Sewage, greywater, and combustible and non-combustible wastes to be disposed of in hamlet facilities and hazardous waste to be stored in barrels within community until transported off site via the CCGS Amundsen in October, 2015; and
- Production of a documentary, web-documentaries and additional teaching tools to promote arctic research at the primary and secondary education levels.

All documents received and pertaining to this project proposal can be obtained from the NIRB's online public registry at

<http://ftp.nirb.ca/01-SCREENINGS/ACTIVE%20SCREENINGS/14YN040-Laval%20University-Green%20Edge/> including:

- *NRI Application in English*
- *Non-technical Project Proposal Summary in English and Inuktitut*
- *Map*

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.

The NIRB is copying parties and municipalities potentially affected by Laval University's project proposal with this letter, and we invite interested parties to comment directly to the NIRB by **January 8, 2015**.

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

If you have any questions or require clarification, please contact the undersigned at (867) 983-4606 or hiasmussen@nirb.ca.

Sincerely,



Heather Rasmussen
Technical Advisor
Nunavut Impact Review Board

cc: Joannie Ferland, Laval University
Phyllis Beaulieu, Nunavut Water Board
Joel Fortier, Qikiqtani Inuit Association
Mosha Cote, Nunavut Research Institute
Distribution List

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