



NIRB File No. 09YN010

March 16, 2009

Walter Strapp  
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Environment Canada  
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Toronto, ON, M3H 5T4

Via email: [Walter.strapp@ec.gc.ca](mailto:Walter.strapp@ec.gc.ca)

**Re: Notice of Part 4 Screening and Comment Request for Walter Strapp's "Pan-Arctic Measurements and Arctic Regional Climate Model Simulations (PANARCMIP)" project proposal**

Dear Walter Strapp:

On January 27, 2009 the Nunavut Impact Review Board (NIRB or Board) received your "Pan-Arctic Measurements and Arctic Regional Climate Model Simulations (PANARCMIP)" project proposal from the Nunavut Research Institute (NRI). On March 4, 2009 the NIRB received a positive conformity determination for the North Baffin Regional Land Use Plan from the Nunavut Planning Commission (NPC). NIRB has assigned this project proposal file number **09YN010**.

The project is located in North Baffin Region with the closest community being Resolute, as well as the Eureka and Alert stations. The program is proposed to take place from April 16, 2009 to April 25, 2009.

The project activities include:

- Basler DC-3 aircraft "POLAR-5" using airports in Alert, Eureka, and Resolute
- Stored aviation fuel: 101 drums (20,200 liters)
- Air Surveys between 300ft to 10,000ft
- Low level flights performed offshore over sea ice only and will avoid areas of protected wildlife and people
- Study meteorology, air quality and sea ice thickness in the Arctic
- Take scientific readings to accurately measure sea ice thickness, ozone depletion, and mercury and bromine oxide in the Arctic surface boundary layer specifically over the frozen Arctic Ocean
- The study will result in scientific publications which will be available for information for individuals and communities in Nunavut

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/09YN010-Walter%20Strapp/1-SCREENING/> including:

- *NIRB Part 1 Summary Application Form in English*
- *Non technical Project Proposal summary in English*
- *Non technical Project Proposal summary in Inuktitut*

- *NPC Conformity Determination*
- *NRI application Form*

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

Be advised that NIRB is copying interested Parties and municipalities most affected by your project proposal. Interested persons are encouraged to comment directly to the NIRB by **March 23, 2009**.

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 attention of NIRB's Manager of Environmental Administration, Leslie Payette via email at [lpayette@nirb.ca](mailto:lpayette@nirb.ca) or via fax at (867) 983-2594.

If you have any questions or concerns, feel free to contact NIRB's Assistant Technical Advisor, Tara Arko at 867-983-4610 or [tarko@nirb.ca](mailto:tarko@nirb.ca).

Sincerely,



Tara Arko  
Assistant Technical Advisor  
Nunavut Impact Review Board

cc: Distribution List  
Phyllis Beaulieu, NWB  
Spencer Dewar, INAC  
Chris Fillion, NRI

Attachments:

Appendix A - Proposed Project-specific Terms and Conditions  
Comment Forms

## **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. Walter Strapp (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 NIRB shall be notified of any changes in operating plans or conditions associated with the project prior to any such change.
4. The Proponent shall operate in accordance with all commitments stated in correspondence provided to NIRB and NRI.
5. The Proponent shall operate the site in accordance with all applicable Acts, Regulations and Guidelines.

#### **Fuel and Chemical Storage**

6. The Proponent shall locate all fuel and other hazardous materials a minimum of thirty (30) 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 store all chemicals in such a manner that they are inaccessible to wildlife.
8. The Proponent shall report all spills of fuel, or other deleterious materials immediately to the 24 hour Spill Line at (867) 920-8130.

#### **Wildlife**

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 not touch, feed or entice wildlife to approach by holding out or setting out decoys or any such devices, foodstuffs or bait of any kind.
12. 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.
13. 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.
14. The Proponent shall ensure that aircraft/helicopter do not, unless for emergency, touch-down in areas where wildlife are present.
15. 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.

16. 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.

### Regulatory Requirements

In addition to the proposed project specific terms and conditions, Walter Strapp (the Proponent) is advised, should the project proceed, that the following legislation may apply to the project:

1. The *Fisheries Act* (<http://laws.justice.gc.ca/en/showtdm/cs/F-14///en>).
2. The *Migratory Birds Convention Act* and *Migratory Birds Regulations* (<http://laws.justice.gc.ca/en/showtdm/cs/M-7.01>).
3. The *Species at Risk Act* (<http://laws.justice.gc.ca/en/showtdm/cs/S-15.3>). Attached in **Appendix #1** is a list of Species at Risk in Nunavut.
4. The *Nunavut Wildlife Act* which contains provisions to protect and conserve wildlife and wildlife habitat, including specific protection measures for wildlife habitat and species at risk.
5. The *Transportation of Dangerous Goods Regulations*, *Transportation of Dangerous Goods Act* (<http://www.tc.gc.ca/tdg/menu.htm>), and the *Environmental Protection Act* (<http://laws.justice.gc.ca/en/C-15.31/text.html>) The Proponent must ensure that proper shipping documents accompany all movements of dangerous goods. The Proponent must register with the GN-DOE Manager of Pollution Control and Air Quality at 867-975-7748.
6. The *Aeronautics Act* (<http://laws.justice.gc.ca/en/A-2/>).