

SPRING 2015

APPLICATION # NRI Airborne Observations – NET CARE EC Leitch Dec 14 CR

**NUNAVUT PLANNING COMMISSION
APPLICATION TO DETERMINE CONFORMITY
WITH THE NORTH BAFFIN REGIONAL LAND USE PLAN**

NUNAVUT PLANNING COMMISSION
BOX 419, Arviat, Nunavut
X0C-0E0

**All applicants for a project proposal shall comply with the requirements listed below.
The relevant sections of the plan are noted in each requirement.**

GENERAL

2. **Environmental Protection:** s3.13.8: The applicant undertakes to prevent any new occurrences of pollution, garbage and contamination at the site of the development.

Yes

No

3. **Removal of Fuel Drums:** s3.13.8: The applicant undertakes to remove all drums safely from the site and dispose of the drums in a safe manner.

Yes

No

4. **New Site Restoration and Clean Up:** s3.13.1 and Appendix H, s1: The applicant undertakes to clean up the site and restore the site to its natural condition to the greatest extent possible.

Yes

No

5. **Low-Level Air Flights:** Appendix H, s3: Will the applicant avoid all low-level flights?

Yes

No

- i. If not, explain why such flights are or may be absolutely necessary.

SEE ATTACHED APPENDIX

ii. If such flights are or may be absolutely necessary, will they avoid disturbance to people and wildlife?

Yes

No

SEE APPENDIX

iii. If not, explain why it is not possible to avoid such disturbance.

9. Polar Bear Denning Areas and Walrus Haul-outs: s3.3.8: Will the applicant keep its activities away from any polar bear denning area or walrus haul-out?

Yes

No

HERITAGE RESOURCES

10. Reporting of Archaeological Sites: s3.11.3 and Appendix H, s2 and s8: Will the applicant immediately report the discovery of all suspected archaeological sites to the Department of Culture, Language, Elders and Youth (GN)?

Yes

No

11. Carving Stone Deposits: Appendix H, s9. Will the applicant report any discoveries of carving stone deposits to the Qikiqtani Inuit Association?

Yes

No

SCIENTIFIC RESEARCH

17. **Scientific Research: s3.9.3:** Does the project proposal involve scientific research?

Yes

No

If yes, will the applicant integrate all available and relevant local and traditional knowledge when conducting its research?

Yes

No

18. **Consultation with Nunavut Research Institute: s3.9.5:** Has the applicant consulted with the Nunavut Research Institute about research topics that would benefit or interest local residents?

Yes

No

i. Describe the results of your consultation.

SEE APPENDIX

ii. If no, explain why.

19. **Local Services and Local Employment: s3.9.4:** Will the applicant rely on local services and employment where possible?

Yes

No

i. Describe the services retained and the people to be employed.

SEE APPENDIX

ii. If no, explain why it is not possible.

20. Communication on Scientific Research: s3.2.8: The applicant will, at minimum, translate a summary of its work into Inuktitut and communicate with communities using language that is clear and non-technical. The results of all scientific research shall be made available to the affected communities as soon as possible.

Yes

No

22. Code of Good Conduct for Land Users: *Appendix H:* The applicant undertakes to adhere to the code of Good Conduct at all times.

Yes

No

I, W. RICHARD LEITCH (name of applicant), certify that the information I have given in this application is true and correct and hereby make the above undertakings which form part of my application for a project proposal within the meaning of the Nunavut Land Claims Agreement.

Date: Dec. 18, 2014 Signature of Applicant: W.R. Leitch

Appendix to responses from Richard Leitch to "Nunavut Planning Commission Application to Determine Conformity with the North Baffin Regional Land Use Plan" for application to conduct atmospheric research flights during April, 2015.

Item 3.

Fuel at Alert is stored in bulk by the Department of National Defense. The fuel at Eureka is stored in drums at the landing site. The empty drums will be disposed of by the Eureka Weather Station in accordance with Eureka's approved procedures; their current policy is to wash the drums and send them via the Coast Guard south for disposal.

Item 5. "Low-level flights"

- i) Our research flying requires low-level flying for sampling pollutants in the atmosphere that may deposit to the ground as well as for measuring sea ice thickness. Low-level flying, as low as 65 metres above the ice or open water surfaces, is requested for our flights conducted over the areas of the Arctic Ocean to the north of Alert and to the west of Eureka. With the exception of takeoffs and landings, all our low-level flying will be over water surfaces. The low-level flying conducted by the Polar 6 aircraft, to measure atmospheric pollutants, will be of relatively short duration (a few minutes). The low level flying conducted by the Polar 5 aircraft, to measure sea-ice thicknesses, will be 2 to 3 hours in duration per research flight. During the period that the aircraft are flying from Alert and Eureka (April 7 to April 17, 2015), we anticipate approximately 15 take off and landings by each of the two aircraft. While based from Eureka, some flights will include re-fuelling at Alert and research flights north of Alert.
- ii) We will avoid completely flying low over areas with people or wildlife.

Item 18. "Consultation with NRI"

- i) Application has been made to the Nunavut Research Institute to conduct this research program. Our research is intended to improve our ability to model the climate and sea ice coverage of the Arctic.

Item 19. "Local Services and Local Employment"

- i) Our measurements will be use National Defense facilities at Alert and Environment Canada facilities at Eureka for a period of approximately 11 days. Aviation fuel has already been purchased and delivered to Alert and Eureka.



**North Baffin Regional Land Use Plan
Appendix H
Code of Good Conduct for Land Users**

1. The landscape of each camp and other land use sites will be restored to its original condition to the greatest degree possible. Water quality will be preserved and no substances that will impair water quality will be dumped in water bodies. When possible and feasible, old sites will be restored to the natural state.
2. All land users shall assist communities and government(s) in identifying and protecting archaeological sites and carving-stone sites, as required by law.
3. Generally, low-level flights by aircraft at less than 300 metres should not occur where they will disturb wildlife or people. If such flights are necessary, they should only take place after consultation with the appropriate communities. All land users are responsible for reporting to the land managers any illegal or questionable low-level flight.
4. All activities on the land will be conducted in such a fashion that the renewable resources of the area in question are conserved.
5. Whenever practicable, and consistent with sound procurement management, land users will follow the practice of local purchase of supplies and services.
6. Land users will establish working relationships with local communities and respect the traditional users of the land.
7. During the caribou calving, post-calving and migrating seasons, land use activities should be restricted to avoid disturbing caribou, in general, and activities will be governed more specifically by caribou protection measures such as those contained in Appendix I.
8. Artifacts must be left where they are found. All land users are responsible for reporting the location of, or any removal or disturbance of artifacts, to CLEY.
9. The mining industry is encouraged to assist in identifying local carving-stone deposits and report any discoveries to the QIA. Industry is also encouraged to identify and report old waste sites that need to be cleaned up.
10. All land users shall obey the laws of general application applying to land use.