



Nunavut Regional Office
P.O. Box 100
Iqaluit, NU, X0A 0H0

Your file - Votre référence
NWB file #: 3BC-AHI----
Our file - Notre référence
File # / CIDMS #: 240636

July 30, 2008

Richard Dwyer, Licensing Administrator
Nunavut Water Board P.O. Box 119
Gjoa Haven, NU X0A 1J0
Ph: (867)360-6338 ext. 29
Fax: (867)360-6369
Email: licensingadmin@nunavutwaterboard.org

**Re: 3BC-AHI---- New Water License - Polar Continental Shelf Project 507-08
- Qikiqtani Region**

Please be advised that Indian and Northern Affairs Canada (INAC) has completed a review of the Canadian Space Agency's Nunavut Water Board License application # 2BE-AHI---- – Polar Continental Shelf Project. The Canadian Space Agency is requesting domestic use of water on Axel Heiberg Island for a multi-year geoscience based research project. Three small camps, involving 3-4 participants at any given time, will be established.

Project Description:

- Research camp concerning geological and geophysical field work. Work taking place between July 21 and August 22, 2008, to be continued in coming years.
- Three locations on Axel Heiberg Island:
 - Camp 1, McGill Station: 79°26'N, 90°46'W
 - Camp 2, North of Lightfoot River: 80°41'N, 90°46'W
 - Camp 3 N Agate Fiord: 79°30.567'N, 93°10.775'W
- Camps will not consist of more than 3-4 people at any given time. Small amounts of water will be used for drinking and washing purposes only.
- It is indicated by the proponent that all waste will be carried out to the McGill Station or the community of Resolute.
- The proponent does not have a Land Use Permit from Indian and Northern Affairs.
- The proponent applied for a research permit from the Nunavut Research Institute on July 18, 2008.

Comments/Concerns:

- The proponent makes no mention of onsite waste disposal or the generation of hazardous wastes as a result of project activity in the application or summary.
- The proponent did not provide a spill contingency plan or fuel handling protocol.

Recommendations:

1. INAC recommends that all waste be backhauled and disposed of in an approved waste disposal facility. INAC is concerned with the deposition of waste and other hazardous materials due to incomplete combustion and the leaching of ash residue that may cause an adverse affect to surrounding waters. As such there should be no open burning of plastics, Styrofoam, electrical wire, asbestos, and building demolition wastes.
2. All sumps for the disposal of greywater shall be positioned at least 30 m from the high water mark of nearby water bodies. Furthermore, all sumps shall be backfilled and contoured to match the surrounding landscape prior to the end of the projects field program.
3. All fuel caches shall be located 30m above the high water mark of any water body. Further, it is recommended that some form of secondary containment, such as self-supporting insta-berms, be used when storing barrelled fuel on-site.
4. Spill trays should be used when conducting fuel transfers to minimize the possibility of polluting freshwater with spilled hydrocarbons.
5. The applicant should have a contingency plan for responding to chemical, petroleum and other spills which might occur during the proposed activity. The plan should include, but not be restricted to, a list of available spill response equipment and the names of trained personnel who will be on-site and available in the case of a spill.
6. The Response Action of the Spill Contingency Plan should make reference to the Nunavut Spill Report Line and include a copy of the Nunavut Spill Report Form. This form can be obtained from the Nunavut Water Board public registry at <http://www.nunavutwaterboard.org> . Please note that the 24-hour Spill Report Line telephone number is (867) 920-8130 and facsimile number is (867) 873-6924. Furthermore, INAC requests the proponent report all spills to Peter Kusugak, INAC Manager of Field Operations, phone: 867-975-4295, fax 867-975-6445 as well as the Nunavut Spill Report Line.
7. The NWB should otherwise impose the standard terms and conditions appropriate for the operation of projects of this nature in order to

prevent or minimize any adverse environmental impacts through water use or associated waste disposal.

Should you have any questions or comments, please do not hesitate to contact me at (867) 975-4576 or by email at JamesV@ainc-ianc.gc.ca.

Sincerely,

Original Signed By

Victoria James
Water Resources Assistant

Cc: Kevin Buck- Water Resources Manager- INAC