

Reasons for Decision:

NIRB's decision is based on specific considerations that reflect the primary objectives of the Land Claims Agreement. Our considerations in making this decision included:

- the impact of drilling activities on the ecosystem;
- disposal of drill cuttings and waste water;
- impact to water quality, aquatic habitat and wildlife and fish populations from chemicals, drill waste, drill fluids and potential fuel spills;
- storage and disposal of chemicals, fuel, garbage, sewage, and gray water, and impact of these on the ecosystem;
- the impact of campsite and equipment on terrain;
- the impact of noise from helicopter and drilling activities and their disturbance to wildlife;
- the impact of all proposed activities on wildlife;
- the impact to archaeological sites or cultural landmarks in the area;
- clean up/restoration of drilling locations upon abandonment; and

Terms and Conditions:

That the terms and conditions attached to this screening report will apply.

Drill Sites

1. The Licensee shall not conduct any land based drilling within thirty (30) metres of the normal high water mark of a water body.
2. The Licensee shall conduct any the lake-based winter drilling, in accordance with the Interim Guidelines for On-Ice drilling.
3. The Licensee shall ensure that all drill cuttings are removed from ice surfaces.
4. The Licensee shall not use drilling muds or additives in connection with drill holes unless they are recirculated or contained such that they do not enter the water, or are certified to be non-toxic.
5. The Licensee shall ensure that any drill cuttings and waste water that cannot be re-circulated be disposed of in a properly constructed sump or an appropriate natural depression that does not drain into a waterbody.
6. The Licensee shall ensure that drilling wastes do not enter any water body. The use of biodegradable, salt free drill additives is encouraged over non-biodegradable types.
7. The Licensee shall not establish any stockpiles within thirty (30) metres of the normal high water mark of a water body.
8. The Licensee shall ensure that the release of total suspended solids in the receiving environment shall be in compliance with *Guidelines for Total Suspended Solids* contained in the *Canadian Council of Ministers for the Environment's (CCME) Canadian Water Quality Guidelines, Chapter 3 - Freshwater Aquatic Life* (i.e. 10mg/L for lakes with background level under 100mg/L, or 10% for those above 100mg/L).

9. The Licensee shall ensure that the sump/depression capacity is sufficient to accommodate the volume of waste water and any fines that are produced so that there will be no additional impacts.
10. The Licensee shall not locate any sump within thirty (30) metres of the normal high water mark of any water body.
11. The Licensee shall not deposit nor permit the deposit of slash, debris or sediment into any waterbody. These materials shall be disposed of above the high water mark in such a fashion that they do not enter the water.
12. The Licensee shall ensure that disturbance of vegetation from deposit of drill fluids/cuttings is restricted to the area of the sump and the ground prepared for revegetation upon abandonment.
13. The Licensee shall, where flowing water from bore holes is encountered, plug the bore hole in such a manner as to permanently prevent any further outflow of water. The occurrence shall be reported to the Nunavut Water Board and Land Use Inspector within 48 hours.
14. If the drilling requires water in sufficient volume that the source waterbody may be drawn down details must be submitted (volume required, size of waterbody, etc.) to DFO-FHM for review. DFO-FHM does not recommend the use of streams as a water source.

Water

15. The Licensee shall ensure that all water intake hoses are equipped with a screen with an appropriate mesh size to ensure that there is no entrapment of fish.

Fuel and Chemical Storage

16. The Licensee shall ensure that fuel storage containers are not located within thirty (30) metres of the ordinary high water mark of any body of water.
17. The Licensee shall ensure that any chemicals, fuels or wastes associated with the project do not spread to the surrounding lands or enter into any water body.
18. Fuel storage shall be equipped with secondary containment and other hazardous materials should be located in such a manner as to prevent their release into the environment.
19. The Licensee shall take all reasonable precautions to prevent the possibility of migration of spilled petroleum fuel or chemicals over the ground surface.
20. The Licensee shall examine all fuel and chemical storage containers daily for leaks. All leaks should be repaired immediately.
21. The Licensee shall seal all container outlets except the outlet currently in use.
22. The Licensee shall mark all fuel containers with the Licensee's name.
23. The Licensee shall dispose of all combustible waste petroleum products by incineration and removal from the site.
24. The Licensee shall ensure all activities, including maintenance procedures and refueling, should be controlled to prevent the entry of petroleum products or other deleterious substances into the water.
25. The Licensee shall have an approved emergency response and spill contingency plans in place prior to the commencement of the operation.

26. The Licensee shall immediately report all spills of petroleum and hazardous chemicals to the twenty-four (24) hour spill report line at (867) 920-8130.

Waste Disposal

27. The Licensee shall not discharge or deposit any refuse substances or other waste materials in any body of water, or on the banks thereof, which will impair the quality of the waters of the natural environment.
28. The Licensee shall not locate any sumps or areas designated for waste disposal within thirty-one (31) metres of the ordinary high water mark of any body of water, and be sufficiently bermed or otherwise contained to ensure that these substances do not enter a waterway unless otherwise authorized.
29. The Licensee, prior to the discharge of fluids from any sump, shall carry out an analysis of the fluid in a manner prescribed by the NWB.
30. The Licensee shall construct a sump to contain all greywater discharged and shall ensure drainage is away from any waterbody.
31. The Licensee shall backfill and recontours all sumps to match the natural environment prior to the expiry date of the permit.
32. The Licensee shall incinerate all combustible and food wastes daily. The Licensee shall use as a minimum incineration method of a 45-gallon drum modified to form a more efficient incinerator.
33. The Licensee shall keep all garbage and debris in a covered metal container until disposed of.
34. The Licensee shall ensure that all wastes generated through the course of the operation are backhauled and disposed of in an approved dumpsite.
35. The Licensee shall not bury any wastes.
36. The Licensee shall deposit all scrap metal, discarded machinery and parts, barrels and kegs, at an approved disposal site.
37. The Licensee shall dispose of slash or debris above the high water mark so that it does not enter any waterbody.

Wildlife

38. The Licensee shall ensure that there is no damage to wildlife habitat in conducting this operation.
39. The Licensee shall not feed wildlife.
40. The Licensee use the latest bear detection and deterrent techniques to minimize man-bear interactions and shall report any Man-Bear Interactions to the nearest Renewable Resource Officer.
41. The Licensee shall not locate any operation so as to block or cause substantial diversion to migration of caribou.
42. The Licensee shall cease activities that may interfere with migration or calving, such as airborne geophysics surveys or movement of equipment, sampling activities until the migrating caribou and their calves have vacated the area.

43. The Licensee shall not detonate explosives within fifteen (15) metres of any body of water which is not completely frozen to the bottom.
44. The Licensee shall not conduct any activity associated with the land use operation during critical periods of wildlife cycles (eg. caribou migration, calving, fish spawning or raptor nesting).
45. That the Licensee shall ensure that there is no hunting by employees of the company or any contractors hired.
46. The Licensee shall ensure that aircraft pilots adhere to recommended flight altitudes of greater than 300 m above ground level as to not disturb wildlife. Raptor nesting sites and concentrations of nesting or molting waterfowl should be avoided by aircraft at all times.
47. The Licensee shall ensure compliance with Section 36 of the Fisheries Act which requires that no person shall deposit or permit the deposit of a deleterious substance on any type in water frequented by fish or in any place under any conditions where the deleterious substance may enter such a water body.
48. The harmful alteration, disruption or destruction of fish habitat is prohibited under Section 35 of the Fisheries Act. No construction or disturbance of any stream/lake bed or banks of any definable watercourse is permitted unless authorized by DFO.
49. The Licensee shall ensure that trenching/drilling sites avoid known environmentally sensitive areas (denning, nesting etc.) by a minimum of 250 metres.

Environmental

50. The Licensee shall ensure that the land use area is kept clean and tidy at all times.
51. The Licensee shall prepare the site in such a manner as to prevent rutting of the ground surface.
52. The Licensee shall not do anything that will cause erosion of the banks of any body of water on or adjacent to the land and shall provide necessary controls to prevent such erosion.
53. The Licensee shall be required to undertake any corrective measures in the event of any damage to the land or water as a result of the Licensee's operation.
54. The Licensee shall not remove any material from below the ordinary high water mark of any waterbody.
55. The Licensee may only excavate and stockpiles in areas designated
56. The Licensee shall not move any equipment or vehicles unless the ground surface is in a state capable of fully supporting the equipment or vehicles without rutting or gouging.
57. The Licensee shall suspend overland travel of equipment or vehicles if rutting occurs.

Camp

58. The Licensee shall not erect camps or store material on the surface ice of lakes or streams.
59. The Licensee shall locate all camps and storage facilities on gravel, sand or other durable land.

06-06-02 22:25 PLACE LOU RIEL
02-Jun-06 12:14pm From-NUNAVUT IMPACT REVIEW BOARD

ID-12. 9473029

P02/02

Archaeological Sites

60. The Licensee shall follow all terms and conditions for the protection and restoration of archaeological resources as outlined by the Department of Culture, Language, Elders and Youths (CLEY).

Reclamation

61. The Licensee shall remove all scrap metal, discarded machinery and parts, barrels and kegs, buildings and building material upon abandonment.
62. The Licensee shall complete all clean-up and restoration of the lands used prior to the expiry date of the permit.
63. The Licensee shall undertake ongoing restoration for any land or improvements which are no longer required for the Licensee's operation on the land.

Other Recommendations

1. NIRB would like to encourage the proponent to hire local people and services, to the extent possible.
2. NIRB advises proponents to consult with local residents regarding their activities in the region.
3. An executive summary of the results be provided to the relevant HTO's and Hamlets.
4. Any amendment requests deemed by NIRB to be outside the original scope of the project will be considered a new project.
5. The Environmental Protection Branch (DOE), Department of Fisheries and Oceans (DFO), Department of Sustainable Development (DSD), Nunavut Impact Review Board (NIRB), and the Nunavut Water Board (NWB) should be advised of any material changes to plans or operating conditions associated with the project.

Validity of Land Claims Agreement

Section 2.12.2

Where there is any inconsistency or conflict between any federal, territorial and local government laws, and the Agreement, the Agreement shall prevail to the extent of the inconsistency or conflict.

Dated June 4/02 at Arviut, NU


Elizabeth Copland, Chairperson

06-06-02 14:13 TO: PLACE LOUIS RIEL

FROM: 1

P02

Received 00-00-02 08:21pm

From-12049473028

To-

Page 002