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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI

EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: _Dr._Hamish Sandeman_____Licence No: _____

(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Environment Manager: _____Tel: _____ Fax: _____E-mail:_____

2. Project Manager: _____ Tel: _____Fax: _____E-mail:_____
3. Does the applicant hold the necessary property rights?

4. Is the applicant an 'operator' for another company (i.e., the holder of the property rights)? If so, please provide letter of authorization.

5. Duration of the Project
   - [ ] Annual
   - [ ] Multi Year:

   If Multi-Year indicate proposed schedule of on site activities
   Start: _____ Completion:_____

CAMP CLASSIFICATION

6. Type of Camp
   - [ ] Mobile (self-propelled)
   - [x] Temporary
   - [ ] Seasonally Occupied: _____
   - [ ] Permanent
   - [ ] Other:_____

7. What are the design population of the camp and the maximum population expected on site at one time? What will be the fluctuations in personnel?
   The camp will comprise a maximum of 15 people with 13 permanent staff members.

8. Provide history of the site if it has been used in the past.
   N/A

CAMP LOCATION

9. Please describe proposed camp location in relation to biogeographical and geomorphological features, and water bodies.
The camp will be located on the south side of a large lake in NTS 56N on a gravelly esker ca. 150 m from the shoreline (see accompanying maps).

10. How was the location of the camp selected? Was the site previously used? Was assistance from the Regional Inuit Association Land Manager sought? Include maps and/or aerial photographs.
The location of the camp site was chosen from aerial photographs and because it was near the center of our work area.

11. Is the camp or any aspect of the project located on:
[x] Crown Lands Permit Number (s)/Expiry Date: _____
[ ] Commissioners Lands Permit Number (s)/Expiry Date: _____
[x] Inuit Owned Lands Permit Number (s)/Expiry Date: _____

12. Closest Communities (distance in km):
Gjoa Haven (179 km): Kuggaruk (195 km): Taloyoak (270 km)

13. Has the proponent notified and consulted the nearby communities and potentially interested parties about the proposed work?
Yes. The mayors of each community and the HTO's of each community have been notified by letter.

14. Will the project have impacts on traditional water use areas used by the nearby communities? Will the project have impacts on local fish and wildlife habitats?
No. Minimal water use is required for running the camp. We estimate ca. 300litres per day in total. Minimal impact on local wildlife and fish are anticipated.

PURPOSE OF THE CAMP

15. ○ Mining
○ Tourism (hunting, fishing, wildlife observation, adventure/expedition, etc.)
(Omit questions # 16 to 21)
○Other Scientific Geological mapping
(Omit questions # 16 to 22)

16. ○ Preliminary site visit
○ Prospecting
○ Geological mapping
○ Geophysical survey
○ Diamond drilling
○ Reverse circulation drilling
○ Evaluation Drilling/Bulk Sampling (also complete separate questionnaire)
○ Other: _____

17. Type of deposit:
○ Lead Zinc

- ○ Diamond
- ○ Gold
- ○ Uranium
- ○ Other: _____

DRILLING INFORMATION

18. Drilling Activities
    - ○ Land Based drilling
    - ○ Drilling on ice

19. Describe what will be done with drill cuttings?

20. Describe what will be done with drill water?

21. List the brand names and constituents of the drill additives to be used? Includes MSDS sheets and provide confirmation that the additives are non-toxic and biodegradable.

22. Will any core testing be done on site? Describe.

SPILL CONTINGENCY PLANNING

23. Does the proponent have a spill contingency plan in place? Please include for review.
    The Permittee shall report all spills immediately with instructions contained in "Spill Report" form NWT 1752 (05/93), the NWT Water Board's "Guidelines for Contingency Planning" (1987) and contact the Twenty-four (24) hour spill report line (867) 920-8130.

24. How many spill kits will be on site and where will they be located?
    One spill kit at the site of refueling for the helicopter.

25. Please describe the types, quantities, and method of storage of fuel and chemicals on site, and provide MSDS sheets.
    The following list of fuels will be used in the camp: propane, 4 x 100lbs canisters; gasoline, 6 x 19L jerry cans; jet-B Fuel, 150 x 205L drums; car batteries (2); recharged by solar panels; and white gas, 10 x 10L cans.

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.
    The large lake (899) adjacent to the camp location.

27. Estimated demand (in L/day * person):

    - ○ Domestic Use: 300litres Water Source: lake 899
    - ○ Drilling Units: _____ Water Source: _____
    - ○ Other: _____ Water Source: _____

28. Describe water intake for camp operations? Is the water intake equipped with a mesh screen to prevent entrapment of fish? Describe:
Water will be obtained using a small Honda water pump equipped with a 1cm screened intake pipe.

29. Will drinking water quality be monitored? What parameters will be analyzed and at what frequency?
No quality monitoring.

30. Will drinking water be treated? How?
Drinking water may be boiled prior to use. No other quality monitoring.

31. Will water be stored on site?
Only day to day use, no other storage.

WASTE TREATMENT AND DISPOSAL

32. Describe the characteristics, quantities, treatment and disposal methods for:

- ○ Camp Sewage (blackwater)
  Burial

- ○ Camp Greywater
  Burial

- ○ Solid Waste
  Burned and residue removed to a community garbage disposal site

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- ○ Bulky Items/Scrap Metal
  N/A

- ○ Waste Oil/Hazardous Waste
  N/A

- ○ Empty Barrels/Fuel Drums
  Back hauled to Gjoa Haven for removal on sealift

- ○ Other:

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33. Please describe incineration system if used on site. What types of wastes will be incinerated?

Waste-fuel fired incineration in steel drums. All combustible garbage will be burnt; the chilled ashes will be buried, and non-combustible garbage will be shipped (at the cost of the project) back to a proper municipal landfill site.

34. Where and how will non-combustible waste be disposed of ? If in a municipality in Nunavut, has authorization been granted?
Communication with Charlie Cahill of Gjoa Haven Development Corp. has indicated that as the project will produce minimal waste, disposal in the municipalities waste site is OK.

35. Describe location (relative to water bodies and camp facilities) dimensions and volume, and freeboard for sumps (if applicable).
Sumps will be located >150m from the water and will comprise small 70cmx70cmx1m pits.

36. Will leachate monitoring be done? What parameters will be sampled and analyzed, and at what frequency?
N/A

OPERATION AND MAINTENANCE

37. Have the water supply and waste treatment and disposal methods been used and proven in cold climate? What known O&M problems may occur? What contingency plans are in place?
Standard northern Geologic field party procedures.

ABANDONMENT AND RESTORATION

38. Provide a detailed description of progressive and final abandonment and restoration activities at the site.
The site will be thoroughly and cleaned and restored during demobilization. All combustible garbage will be burnt; the chilled ashes will be buried, and non-combustible garbage will be shipped (at the cost of the project) back to a proper municipal landfill site.

BASELINE DATA

39. Has or will any baseline information be collected as part of this project? Provide bibliography.
    - Physical Environment (Landscape and Terrain, Air, Water, etc.)
    - Biological Environment (Vegetation, Wildlife, Birds, Fish and Other Aquatic
    - Organisms, etc.)
    - Socio-Economic Environment (Archaeology, Land and Resources Use,
    - Demographics, Social and Culture Patterns, etc.)
    - Other: Baseline geological (rock) data

REGULATORY INFORMATION

40. Do you have a copy of

- Article 13 - Nunavut Land Claims Agreement
- NWB - Water Licensing in Nunavut - Interim Procedures and Information Guide for Applicants
- NWB - Interim Rules of Practice and Procedure for Public Hearings
- NWTWB - Guidelines for the Discharge of Treated Municipal Wastewater in the NWT
- NWTWB - Guidelines for Contingency Planning
- DFO - Freshwater Intake End of Pipe Fish Screen Guideline
- Fisheries Act - s.35
- RWED - Environment Protection- Spill Contingency Regulations
- Canadian Drinking Water Quality Guidelines
- Public Health Act Camp Sanitation Regulations
- Public Health Act Water Supply Regulations
- Territorial Land Use Act and Regulations

You should consult the above document, guidelines, and legislation for compliance with existing regulatory requirements.