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TEL: (867) 360-6338 NUNAVUT WATER BOARD
FAX: (867) 360-6369 NUNAVUT IMALIRIYIN KATIMAYINGI

EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: ___Cominco Ltd., Exploration __Licence No: nwb2AST
(For NWB Use Only)

ADMINISTRATIVE INFORMATION

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

2. Project Manager: Michael H. Gunning_ Tel: 604-685-3057 _Fax: 604-685-3069__E-mail:_mike.gunning@cominco.com

3. Does the applicant hold the necessary property rights? YES. Eleven DIAND Prospecting Permits, held in good standing by Cominco Ltd.

4. Is the applicant an 'operator' for another company (i.e., the holder of the property rights)? If so, please provide letter of authorization. NO

5. Duration of the Project
   [x] Annual 4 week field program, July - August 2001
   [ ] 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?

Seven person camp, with 5 field crew, a cook, and a helicopter pilot. No fluctuations in size planned for, or expected.

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

No previous history.

CAMP LOCATION

9. Please describe proposed camp location in relation to biogeographical and geomorphological features, and water bodies.

The camp will be located somewhere north and west of Flint Lake, in the Astarte River area on west-central Baffin Island. The site will be approximately 40 km from the Ikpik Bay. The area is a gentlly sloping plateau, with less than 50 m of local relief, and numerous shallow lakes. A specific camp site will be determined in June during an aerial reconnaissance of the project area.

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.

Site criteria will be close access to fresh water for camp, and suitablility for a temporary twin otter airstrip to service camp. A flat and open area of gravel deposits will be chosen, above high water mark in a broad river braid plain, or on an uplited lake bed terrace.

11. Is the camp or any aspect of the project located on:

[x] Crown Lands Permit Number (s)/Expiry Date: __Expected May, 2001__
[ ] Commissioners Lands Permit Number (s)/Expiry Date: _____
[x] Inuit Owned Lands Permit Number (s)/Expiry Date: _Submitted Dec. 2000

12. Closest Communities (distance in km):

Clyde River is approximately 250 km to the northeast, and Hall Beach is approximately 250 km to the west, across Foxe Basin.

13. Has the proponent notified and consulted the nearby communities and potentially interested parties about the proposed work?

YES. The mayor of Clyde River has been contacted regarding local concerns, and local interest for employment; communication is ongoing, and a visit will be made to the community prior to the onset of the program. The Canadian Wildlife Service has been contacted regarding birds and cariobou in the area.

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.

PURPOSE OF THE CAMP

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

16.
○ Preliminary site visit
❶ Prospecting
❶ Geological mapping
○ Geophysical survey

- ○ Diamond drilling
- ○ Reverse circulation drilling
- ○ Evaluation Drilling/Bulk Sampling (also complete separate questionnaire)
- ○ Other: _____

17. Type of deposit:

- ❹ Lead Zinc
- ○ Diamond
- ○ Gold
- ○ Uranium
- ○ Other: _____

DRILLING INFORMATION NA

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.
YES. See attached.

24. How many spill kits will be on site and where will they be located?

One. In camp.

25. Please describe the types, quantities, and method of storage of fuel and chemicals on site, and provide MSDS sheets.

MSDS provide Add'l see Tech D

Diesel Fuel: six 45 gallon drums
JET B Fuel: sixty 45 gallon drums
Propane: six hundred lb tanks
Gasoline: one 45 gallon drum
*** all stored in cache at strip, isolated from camp and running water supplies

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

To be determined. Site selection will aim for a raised gravel bed within the large braid plain of a river, or on a raised lake terrace. Water will be pumped to camp from a nearby, small, but active channel of the river's braid system, or from the lake. A net will cover the suction head of the intake hose. Water will only be for general camp use in the kitchen and dry.

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

- ❶ Domestic Use: approx. 200 gal/day (100l/person-day) Water Source: local river channel.
- ○ 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 pumped from the river channel to camp directly, using a small Honda water pump, and a black high pressure hose line running to a storage tank at camp. Yes, the intake hose is covered by a mesh screen.

29. Will drinking water quality be monitored? What parameters will be analyzed and at what frequency?

Visual. Daily monitoring of storage tank particulate contaminants, and daily monitoring of silt content in source channel.
Note that most water in camp will be for the shower and wash up sinks in the dry, and for cooking. Water for direct daily consumption will be obtained from local sources on traverse.

30. Will drinking water be treated? How?

NO

31. Will water be stored on site?

YES. In a closed water tank in the dry tent.

WASTE TREATMENT AND DISPOSAL

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

○ Camp Sewage (blackwater)

NA

● Camp Greywater

sump collection behind kitchen and dry tents.

● Solid Waste

Burn in 45 gallon drum, with ash and non-comustibles returned to Iqaluit or Resolute Bay for disposal.

● Bulky Items/Scrap Metal

All non-combustibles returned to Iqaluit or Resolute Bay for disposal.

○ Waste Oil/Hazardous Waste

NA

● Empty Barrels/Fuel Drums

All 45 gallon drums will be returned to Iqaluit or Resolute Bay for crushing.

○ Other:

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

Ventilated 45 gallon drum, with camp garbage and human waste incinerated by a propane torch.

34. Where and how will non-combustible waste be disposed of ? If in a municipality in Nunavut, has authorization been granted?

All ash and non-combustibles will be put in recyclable 45 gallon drums and returned to Resolute Bay or Iqaluit for disposal via Twin Otter back hauls during the program, and during final camp demobilization.

35. Describe location (relative to water bodies and camp facilities) dimensions and volume, and freeboard for sumps (if applicable).

Small, 3m x 3m x 1/2m deep sumps dug in gravel bed material approx. 10 m behind the kitchen and dry tents, to accommodate small volumes of grey water effluence from the shower in the dry, and main sink in the kitchen.

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

NA

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?

NA

ABANDONMENT AND RESTORATION

38. Provide a detailed description of progressive and final abandonment and restoration activities at the site.

Complete camp demobilization to Resolute Bay at the termination of the program.

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:

    NA

REGULATORY INFORMATION

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

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