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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI

EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: CUMBERLAND RESOURCES LTD.
ATULIK LAKE AREA, RANKIN INLET

Licence No: _____
(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Environment Manager: N/A Tel: _____ Fax: _____

2. Project Manager: Janice Fingler Tel: _____ Fax: _____

3. Does the applicant hold the necessary property rights? Yes

4. Is the applicant an 'operator' for another company (i.e., the holder of the property rights)? If so, please provide letter of authorization. Operator for joint venture; property rights held by Cumberland.

5. Duration of the Project
   - ○ Annual
   - ⊗ Multi Year: Seasonal

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

CAMP CLASSIFICATION

6. Type of Camp
   - ○ Mobile (self-propelled)
   - ○ Temporary
   - x○ Seasonally Occupied: May-October
   - ○ Permanent
   - ○ Other: _____

7. What is the design population of the camp and the maximum population expected on site at one time? What will be the fluctuations in personnel? Designed for 25, year 2000 program will have 8-12 people.

8. Provide history of the site if it has been used in the past.
   Used 8 years since 1990: by Asamera: 1990, 91, 92
   by Comaplex: 1995, 96
   by Cumberland: 1997, 98, 99

CAMP LOCATION

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

Camp is located on a peninsula near NW end of Atulik Lake. Area of exploration is along a NW-SE trend from 5 km NW of camp, to 25 km SE of camp, towards Hudson Bay

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.

Proximity to exploration drilling 2 km to north (Discovery area). Site was used previously for joint venture exploration activities, as outlined in #8. Regional Inuit Associations were not in place at time of camp selection.

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

○ Crown Lands	Permit Number (s)/Expiry Date:
○ Commissioners Lands	Permit Number (s)/Expiry Date:
⊗ Inuit Owned Lands	Permit Number (s)/Expiry Date: KI97G098-April 30, 2000

12. Closest Communities (distance in km):

15 km, South to Rankin Inlet

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

Not yet - Full program/budget approval is pending.

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?

We strive to maintain minimal impact.

PURPOSE OF THE CAMP

15. ○ Mining
○ Tourism (hunting, fishing, wildlife observation, adventure/expedition, etc.) (Omit questions # 16 to 21)
⊗ Other Mineral Exploration (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?

Dispersed at drill site, in lowlying areas.

20. Describe what will be done with drill water?

Dispersed at drill site, in lowlying areas.

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.

77% flake calcium chlorite - used infrequently with warm water to lower water freezing point

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

No

SPILL CONTINGENCY PLANNING

23. Does the proponent have a spill contingency plan in place? Please include for review.

Yes - refer to Meadowbank plan.

24. How many spill kits will be on site and where will they be located?
1 kit - in core shack building (closest to fuel)

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

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.
Domestic Use - Atulik Lake (NW end)
Drilling Use - various recharging ponds/lakes near 15-20 drill site to be determined.

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

- ○ Domestic Use: 20 L/day *person Water Source: Atulik Lake
- ○ Drilling Units: 25,000 L/day Water Source: various
- ○ 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:
Intermittently operating jacuzzi pump drawing on demand from hose intake with mesh screen

29. Will drinking water quality be monitored? What parameters will be analyzed and at what frequency?
There have been no ill effects in 8 years of use. Water quality be monitored if camp > 20 people.

30. Will drinking water be treated? How?
No

31. Will water be stored on site?
No

WASTE TREATMENT AND DISPOSAL

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

⊗ Camp Sewage (blackwater)

- Use outhouses dug into large esker in camp area

Camp Greywater

- Sump

Solid Waste

- Burnt on site, +/- to Rankin Inlet dump

Bulky Items/Scrap Metal

- Recycling, +/- to Rankin Inlet dump or Churchill

Waste Oil/Hazardous Waste

- To Rankin Inlet for recycling

Empty Barrels/Fuel Drums

- Reused and refilled or crushed and sent to Churchill

Other: _____

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

Waste is kept separate at source, with paper and organics burnt.

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

To Rankin Inlet dump - Formal approval to be sought.

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

10'x4'x3' sump dug 30 metres north of kitchen/dry building. Opposite side from water intake.

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

No - Not unless a larger camp is anticipated.

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?

Yes

ABANDONMENT AND RESTORATION

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

The joint venture plans to continue exploration of the area on a seasonal basis.

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:

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.