



P.O. Box 119

GJOA HAVEN, NT XOE 1J0 kNK5 wmoEp5 vtmpq

TEL: (867) 360-6338

FAX: (867) 360-6369

KATIMAYINGI

NUNAVUT WATER BOARD

NUNAVUT IMALIRIYIN

EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: CUMBERLAND RESOURCES LTD. Licence No: _____
(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Environment Manager: Dr. Peter LeCouter Tel: 6046082557 Fax: 6046082559 E-mail: info@cumberlandresources.com
2. Project Manager: Dr. P. LeCouter Tel: 6046082557 Fax: 604608-2559 E-mail: _____
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. NO
5. Duration of the Project
☐ Annual
☒ Multi Year:
If Multi-Year indicate proposed schedule of on site activities
Start: May 1 Completion: Sept. 30

CAMP CLASSIFICATION

6. Type of Camp
☐ Mobile (self-propelled)
☐ Temporary
☒ Seasonally Occupied: May through September
☐ 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?
Camp max. 20 people; designed program 10 people; between 2 and 5 people variation
8. Provide history of the site if it has been used in the past.
Camp established in 1990; used more less seasonally since that year

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 15 km N of Camp, to 25 km SE of camp.
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 Assoc. were not in place at time of camp site 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: Application pending
12. Closest Communities (distance in km):
15 km North of Rankin Inlet
13. Has the proponent notified and consulted the nearby communities and potentially interested parties about the proposed work?
Will notify Rankin Inlet prior to commencing program.
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?
Atulik Lake used for ice fish. Camp has 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 drillsite, 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 near fuel cache

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

Currently at camp site. { Diesel Fuel 20 drums - propose resupply 100 drums for 2003
Jet B 94 drums
Gasoline 1 drum.
Propane 8-100 lb tanks
Salt - 77% calcium chloride - 50 kg triple bagged - 3 wooden skids (1000 kg)

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

Domestic Use - Northwest end Atulik Lake

Drilling Use - various recharging ponds/lakes near 12 drill site to be determined.

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

<input checked="" type="checkbox"/> Domestic Use:	<u>200 L/day</u>	Water Source:	<u>Atulik Lake</u>
<input checked="" type="checkbox"/> Drilling Units:	<u>25,000 L/day</u>	Water Source:	<u>various</u>
<input checked="" type="checkbox"/> Other:	<u></u>	Water Source:	<u></u>

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 12 years of use.

Water quality will be monitored if camp exceeds 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 in to larger esker in camp areas

☒ Camp Greywater

- Sump

☒ Solid Waste

- Burnt on site, disposed of in Municipal dump in Rankin Inlet

☒ Bulky Items/Scrap Metal

- Recycled or disposed of in Municipal dump in Rankin Inlet

☒ Waste Oil/Hazardous Waste

- To Rankin Inlet for recycling

☒ Empty Barrels/Fuel Drums

- Rused 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?

Disposed of in municipal dump at Rankin Inlet

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

10' x 4' x 3' sump dug 30 m 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 camp is expanded.

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 company currently plans to continue exploration in the area on a seasonal basis.

BASELINE DATA

39. Has or will any baseline information be collected as part of this project? Provide bibliography.
- NO
- ☒ 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.