



P.O. Box 119  
Gjoa Haven, NT X0E 1J0

Tel: (867) 360-6338

Fax: (867) 360-6369

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NUNAVUT WATER BOARD

NUNAVUT IMALIRIYIN KATIMAYINGI

## EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: Strongbow Resources Inc. Licence No: \_\_\_\_\_  
(For NWB Use Only)

### ADMINISTRATIVE INFORMATION

1. Environment Manager: \_\_\_\_\_ Tel: \_\_\_\_\_ Fax: \_\_\_\_\_ E-mail: \_\_\_\_\_
2. Project Manager: Ken Armstrong Tel: 604-608-1282 Fax: 640-668-8366  
E-mail: nvr\_karmstrong@telus.net; info@strongbowresources.com
3. Does the applicant hold the necessary property rights?  
**Yes, Mineral Exploration Agreement Stbw-03-01 signed with Nunavut Tunngavik Inc.**
4. Is the applicant an 'operator' for another company (i.e., the holder of the property rights)? No  
If so, please provide letter of authorization.
5. Duration of the Project  
[ ] Annual  
[ X ] Multi Year:  
If Multi-Year indicate proposed schedule of on site activities  
Start: July 1, 2003 Completion: July 1, 2005 (Exploration likely ongoing)

### 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?  
**Camp will be designed to accommodate no more than 12 persons**
8. Provide history of the site if it has been used in the past.  
**The possible camp site is believed to have been previously used in the 1970's.**

## CAMP LOCATION

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

The proposed camp will be located on the eastern shore of an unnamed lake that is split by a northwest trending esker.

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.

Camp location was selected as it is proximal to the area we may want to drill. A land use application is being processed by the KIA Land Administration.

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: Pending

12. Closest Communities (distance in km):

Kugluktuk – 75km southwest to 525km southeast

Umingmaktok – 50km east to 400km west

Kingaok – 75km northwest to 400km west

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

Many local stakeholders are aware of Strongbow's exploration plans through the agreement with NTI. Direct contact with local communities is underway.

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. ☒ 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

☒ 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; **number & location of holes unknown at present**
- ☐ Drilling on ice

19. Describe what will be done with drill cuttings?

**Cuttings will be pumped to sumps and backfilled upon completion.**

20. Describe what will be done with drill water?

**Most of the drill water will be recycled or lost through the rock at the drilling face. Cuttings and sludges will be stored in sumps.**

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.

**Polydrill 550, 133, calcium (or sodium) chloride may be required for permafrost. (MSDS sheets to follow)**

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

**No. Core will be split and half will be sent out to a laboratory for analysis.**

## SPILL CONTINGENCY PLANNING

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

**Please see attached spill response plan.**

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

**One spill kit will be located at the drill and another will be located near the fuel storage at camp.**

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

**Fuel will be stored near camp, approximately 100m from the normal high water mark. Drill additives will be stored at the same site. Please see attached MSDS sheets.**

## WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

**The lake cut by an esker is the water source for the proposed camp. Water sources for a possible drill program will depend on the locations of proposed drill holes.**

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

- |  |                                       |
|--|---------------------------------------|
| <input type="radio"/> Domestic Use: <u>200 liters per day</u>      | Water Source: <u>"Camp" Lake</u>      |
| <input type="radio"/> Drilling Units: <u>20,000 litres per day</u> | Water Source: <u>To be determined</u> |
| <input type="radio"/> 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:

**At camp, a small supply pump will be used with screened supply end to prevent dirt and or fish becoming entrapped.**

**If drilling is conducted a similar pump and nozzle system will be utilized.**

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

**No.**

30. Will drinking water be treated? How?

**No.**

31. Will water be stored on site?

**A small amount of water will be stored at site each day, for domestic cooking and washing purposes/**

## WASTE TREATMENT AND DISPOSAL

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

- ☐ Camp Sewage (blackwater)  
Disposed of in a pit (10-20l/day)

- 
- ☐ Camp Greywater  
Stored in a sump and buried at end of program (~150l/day)
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☒ Solid Waste

**Waste will be incinerated in a barrel, non combustibles will be removed from site (~200l/day)**

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☒ Bulky Items/Scrap Metal

**Stored on site and removed during and at the end of the program**

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☒ Waste Oil/Hazardous Waste

**Waste oil will be burned with garbage (~1l/week); Hazardous waste will not be encountered**

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☒ Empty Barrels/Fuel Drums

**Empty drums will be removed from site**

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☐ Other:

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

**A burning barrel will be used for waste food, paper and wood.**

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

**Non-combustible waste will be flown from site on regular service flights and at the end of the program.**

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

**Camp sumps will be located at least 50 metres from any high water mark. Drilling sumps (if applicable) will be located at least 100m from nearest high water mark.**

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

**No leachate monitoring will be done.**

## **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?

**Water supply and waste treatment and disposal methods have been used many times for similar projects in Nunavut.**

## **ABANDONMENT AND RESTORATION**

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

**Please see attached Abandonment and Restoration Plan.**

## **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:

**No baseline information has been collected.**

## **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.**