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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI

EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: KENNECOTT CANADA EXPL. INC. **Licence No:** _____
(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Land Manager: Susan Ball Tel: 604-696-3400 ext 222 Fax: 604-696-3401
E-mail:*susan.ball@kennecott.com*

2. Project Manager: Ben Pezaro Tel: 604-696-3400 ext 232 Fax: 604-696-3401
E-mail: *greg.rogers@kennecott.com*

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)? **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: Dec.31, 2005 Completion: Dec.31, 2007

CAMP CLASSIFICATION > see licence NWB2BRO0405

6. Type of Camp
[ ] Mobile (self-propelled)
[ ] Temporary
[X] Seasonally Occupied: Mining Exploration
[ ] 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 population to vary from 2-15 persons**

8. Provide history of the site if it has been used in the past. **No known prior occupancy**

CAMP LOCATION > see licence NWB2BRO0405

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

The camp location is 25km upstream on the Jackson River on the Northwestern side of the Brodeur Peninsula , Baffin Island.

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 camp was selected for its proximity to our current work area and the presence of a suitable landing strip. The site was never previously used. No assistance was undertaken.

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

[X] Crown Lands Permit Number (s)/Expiry Date: **N2005J0032 August 8, 2007**
[ ] Commissioners Lands Permit Number (s)/Expiry Date: _____
[ ] Inuit Owned Lands Permit Number (s)/Expiry Date:

12. Closest Communities (distance in km):

ARCTIC BAY 80 km

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

YES

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 significant impact identified

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
- ○ Drilling on ice

19. Describe what will be done with drill cuttings?

Filtered through sump.

20. Describe what will be done with drill water?

Re-circulated

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.

MSDS sheets attached

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: attached

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

4: 1 at camp, 1 at fuel cache, 1 at the generator and 1 at drill rig.

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

Diesel for drill rig operation
Gasoline for the ATV operation
Jet A for helicopter operation
All fuel and chemicals in sealed containers; all moved with drill from site to site.

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

Small lakes and creeks; snow melt run-off

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

- Domestic Use: **+/- 3500 L/day** Water Source: **Creek**
- Drilling Units: ***+/-1,000L/day*** Water Source: ***lakes&creeks***
- 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:

Lift pump with mesh screen at intake from nearby creek. No fish life in the creek.

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

Drinking water will be monitored yearly for potability

30. Will drinking water be treated? How?

No. Bottled water may be flown in for primary drinking water

31. Will water be stored on site?

YES, in 5,000L tank for drill recirculation

WASTE TREATMENT AND DISPOSAL

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

- ● Camp Sewage (blackwater) **sump disposal**
- ● Camp Greywater **sump disposal**
- ● Solid Waste **combustibles burned/non-combustibles removed**
- ● Bulky Items/Scrap Metal ***removed***
- ● Waste Oil/Hazardous Waste ***removed***
- ● Empty Barrels/Fuel Drums ***removed***
- ○ Other:

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

Solid combustibles wastes to be incinerated in gas powered inceinerator

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

35. Describe location (relative to water bodies and camp facilities) dimensions and volume, and freeboard for sumps (if applicable).
Three sumps located at the campsite:one from the kitchen and two from the dry. They are all approximately 1m x 1m x 50 cm deep and are covered with ply wood.

36. Will leachate monitoring be done? What parameters will be sampled and analyzed, and at what frequency?
NO

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, practice is to use sump disposal

ABANDONMENT AND RESTORATION

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

Each drill site will have all materials removed after completion of each drill hole. Upon completion of all exploration activities, camp will be removed. See reclamation plan attached.

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

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