P.O. BOX 119
GJOA HAVEN, NT X0E 1J0
TEL: (867) 360-6338
FAX: (867) 360-6369
kNK5 wmoEp5 vtmpq
NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI

EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: Meliadine Resources Ltd. **Licence No: _____**
(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Environment Manager: Tel: Fax: E-mail:

2. Project Manager: **Roger March** Tel: **604-241-4566** Fax: **604-241-4586**
E-mail: **rogermarch@shaw.ca**

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: **June, 2008** Completion: **October, 2009**

CAMP CLASSIFICATION

6. Type of Camp
[ ] Mobile (self-propelled)
[ ] Temporary
[**x**] Seasonally Occupied: **March to September**
[ ] Permanent
[ ] Other:_____

7. What is the design, maximum and expected average population of the camp?

Maximum capacity approximately 15-20 persons, camp population should average 10-12 persons during the field season.

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

The site has been used as a base for exploration programs since the early 1990's.

CAMP LOCATION

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

The camp is located near the western end of Atulik Lake.

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 site for the camp has been used to support exploration programs for over 17 years.

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: _____
[**x**] Inuit Owned Lands Permit Number (s)/Expiry Date: **KVL204J31**

12. Closest Communities (distance in km):

The camp is located approximately 15 km north of the Hamlet of Rankin Inlet.

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

Exploration programs have been ongoing at the site for a number of years. The company has established relationships with interested parties in Rankin Inlet.

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 impacts are anticipated.

PURPOSE OF THE CAMP

15. **x** Mining (includes exploration drilling)
○ Tourism (hunting, fishing, wildlife observation, adventure/expedition, etc.)
(Omit questions # 16 to 21)
○Other

16. ○ Preliminary site visit
x Prospecting
x Geological mapping
○ Geophysical survey
x Diamond drilling
○ Reverse circulation drilling
○ Evaluation Drilling/Bulk Sampling (also complete separate questionnaire)
○ Other: _____

17. Type of deposit:

- ○ Lead Zinc
- ○ Diamond
- **x** Gold
- ○ Uranium
- ○ Other: _____

DRILLING INFORMATION

18. Drilling Activities

- **x** Land Based drilling
- ○ Drilling on ice

19. Describe what will be done with drill cuttings?

Drill cuttings will be are directed to a natural depression or sump.

20. Describe what will be done with drill water?

Drill water will be directed to a natural depression or sump.

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.

Minor amounts of salt ($CaCl_2$) are used to prevent water from freezing during drilling. No drill additives or muds are used.

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

No, all core will be split on site and samples shipped out for processing.

SPILL CONTINGENCY PLANNING

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

Yes, spill contingency plans have been developed for the site.

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

Spill kit, absorbent matting and peat moss will be available in close proximity to the fuel storage area; drillers have absorbent matting at drill sites. Absorbant matting will be used during fuel transfer to prevent spills.

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

Inventory as of October, 2007:

40 drums P50 (205 liters/drum)
5 drums of Jet-B helicopter fuel (205 liters/drum)
7 100 lb cylinders of propane

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

Water is obtained from the local lakes.

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

- Domestic Use: **max 1000 liters/day** Water Source: **Atulik Lake**
- Drilling Units: **27,500 liters/day/drill** Water Source: **Local lakes**
- 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 obtained from the lake using a pump. The siphon for the pump is covered by a screen to prevent the entrapment of fish.

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

There are no plans to monitor water quality at the present time, due to the short duration of the exploration program. Water from Atulik Lake has been used for many years as a source of drinking water for the camp without incident.

30. Will drinking water be treated? How?

There are no plans to treat drinking water.

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)

No blackwater is produced by the camp

- ❶Camp Greywater

Camp greywater is discharged into a natural depression / sump

- ❶Solid Waste

Solid waste from camp will be incinerated daily

- ❶ Bulky Items/Scrap Metal

Bulky items and scrap metal that cannot be incinerated will be removed to Rankin Inlet for disposal.

- ❶ Waste Oil/Hazardous Waste

Waste oil is incinerated on site.

- ❶Empty Barrels/Fuel Drums

Empty barrels will be backhauled to Rankin Inlet overland next spring when the tundra is frozen to reduce the potential for damage.

- ○ Other:

---

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

Combustable solid wastes generated by the program will be incinerated on site. Materials will be burned in drums used specifically for that purpose. The remaining ash material will be collected and shipped to Rankin Inlet for disposal in the municipal land fill.

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

Non-combustible waste is collected at the campsite and backhauled to Rankin Inlet. M&T Enterprises Ltd. looks after the disposal of the waste in Rankin Inlet.

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

All sumps will be located at least 30 metres from the high water mark of any body of water.

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?

Water supply and waste treatment/disposal systems have been used successfully in the camp since 1990. No problems have arisen since that time.

ABANDONMENT AND RESTORATION

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

Since inception the camp has been designed as a semi-permanent establishment in anticipation of either development or demobilization if long term economic prospects are not favorable. Large structures (kitchen/dry and core shack) are wood and easily dismantled. All other structures are temporary tents designed for quick removal. As such, costs of dismantling, demobilizing and reclamation are relatively inexpensive and largely revolve around manpower and ground transportation of equipment. The core storage facilities would stay in their present location in the event of a change in economic conditions more favorable to development.

A copy of a detailed Abandonment and Restoration Plan is included with this document.

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:

Meliadine Resources Ltd. is unaware of any baseline information that may have been collected by previous operators over the years. Baseline work will be initiated in the future if the results of exploration work appear to indicate that development activities may take place in the project area.

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.