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: **Sherwood Mining Corporation**

Licence No: _____
(For NWB Use Only)

ADMINISTRATIVE INFORMATION

2

1. Environment Manager: **to be determined** Tel**:** Fax:
   E-mail:

2. Project Manager: **Adrian Fleming** Tel: **(720)746-1290** Fax: **(720) 746-1291**
   E-mail: **awf225.aol.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)?
   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: **March 2002** Completion**: October 2005**

CAMP CLASSIFICATION

6. Type of Camp
   [ ] Mobile (self-propelled)
   [ ] Temporary
   [X] Seasonally Occupied:
   [ ] Permanent
   [ ] Other: **Exploration Camp**

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?
   Design/Maximum Camp Population = 12
   Fluctuation = 8-12
   Average population = 10

8. Provide history of the site if it has been used in the past.
   There have been no previous exploration camp facilities established in the Elu area. The area has been geologically explored sporadically.

CAMP LOCATION

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

The camp is proposed to be located on a topographic upland area between three lakes. The area is located approximately 3km south of the Arctic Coast, near NTS coordinates: 7585150N and 469150E on map sheet 77A/07. The camp will be located on Crown surface lands. The area consists of hummocky tundra comprised of glacial and marine tills and outcrop. The upland area is relatively dry and about 15 feet above lake levels.

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 area was selected during a site visit in September 2001. The site has not been used previously. See attached figure, no photos are available.

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

[X] Crown Lands Permit Number (s)/Expiry Date: **pending**
[ ] Commissioners Lands Permit Number (s)/Expiry Date: _____
[X] Inuit Owned Lands Permit Number (s)/Expiry Date: **KTL301C016**

12. Closest Communities (distance in km):

Camp is located: 65 kilometres southwest of Cambridge Bay, and 115 kilometres northeast of Umingmaktok

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

It is the Proponent's intent to ensure that Inuit are given the opportunity to participate and be involved in the development and future of any project which may have an impact on their land.

During August 2001, field crews stayed at the Elu Inlet Lodge during a portion of the field season. At this time, various scenarios for potential 2002 field activities were explained and discussed with the owners of the Lodge. The Lodge owners indicated that they would be interested in visiting another similar exploration operation, if possible, to observe how drilling and exploration field work are conducted. There were no other concerns identified at that time.

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?

The project is not expected to have any impacts on traditional water uses, fish or wildlife habitats.

PURPOSE OF THE CAMP

15.
- ● Exploration Activities
- ○ 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: **Trenching, claim staking,**

17. Type of deposit:
- ● Lead Zinc
- ○ Diamond
- ● Gold
- ○ Uranium
- ● Other: **Copper, Silver**

DRILLING INFORMATION

18. Drilling Activities
- ● Land Based drilling
- ● Drilling on ice

All drilling activities during 2002 are proposed to be land-based. However, it is possible that future drill programs may drill from ice-based sites.

19. Describe what will be done with drill cuttings?

The 'Polydrill' de-silting system will be used to facilitate re-circulation of all drill fluids and minimize clouded runoff for all surface drill holes. Drill cuttings will be collected and deposited in a naturally occurring topographic depression.

20. Describe what will be done with drill water?

All drill fluids will be re-circulated to the greatest extent possible.

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.

Yet to be confirmed. Additives used depend on contractor, drill size, and drilling conditions. The following additives are currently used in other diamond drill programs operated by the Hope Bay Joint Venture, nearby.

Poly Drill Clay Treat II
Shell Diamond Drill Rod Compound (Rod Grease)
Big Bear Diamond Drill Rod Grease
Peladow ($CaCl_2$)
550X Polymer

MSDS Sheets are provided for each of these additives.

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

Drill core will be visually logged. Where appropriate the core will split and a sample collected and shipped to a laboratory off-site for analysis. No analysis will performed at site.

SPILL CONTINGENCY PLANNING

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

The Hope Bay Joint Venture (HBJV) has an approved Spill Contingency Plan for its operations in the Hope Bay Belt, nearby. This plan is particularly applicable for response to spills of fuel or petroleum products. As operator, the HBJV will implement this plan for all 2002 activities at Elu. Contact information and other site specific portions of the plan will be adapted for use at the Elu site.

The plan is attached.
Pertinent details of the plan will be posted at appropriate locations in the camp.

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

The exact number of kits will be determined by operational needs, but it is estimated that three kits will be located in the Elu area.

- **At the camp/supply cache,**
- **At the drill, and**
- **On any mechanized equipment designed to move drills or supplies**

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

A supply cache consisting of the following goods will be established in the vicinity of the camp. The supplies will be used for camp operation, drilling, and helicopter operations.

Item	Quantity	Container Size
Diesel (P50) fuel	300	205 litre drums
Jet B (Turbine) fuel	300	205 litre drums
Unleaded Gasoline	25	205 litre drums
Propane	30	100 lb cylinders

Alternatively, a 50,000 litre double-walled Enviro Tank may be mobilized to the site to provide bulk fuel storage.

One or two remote caches, with <10 drums of Jet B fuel, may be established to support summer activities. The locations for these caches have not been established, however one may be located near the Elu Inlet Lodge.

MSDS documents are provided for each of these fuels.

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

The potable water source for camp will be located approximately 50 metres southwest of the camp. Fresh water for drill use will be obtained from various sites, nearest to the area of drilling. There will be separate intake systems for each purpose.

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

● Domestic Use: **2,000 l/day**	Water Source: **Southwest of camp**
● Drilling Units: **8,000 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:

Potable water will be pumped, on an as-needed basis, from the lake into holding tanks located in the "dry tent" of the new camp. The freshwater intake system will likely consist of a small 4 hp Honda water pump capable of pumping approximately 230 litres/minute (50 imperial gallons/minute). A fine mesh screen (approximately 1mm mesh) will be placed over the opening of the intake hose.

Daily potable water consumption will be approximately 2,000 litres/day (440 imperial gallons/day) based on a consumption rate of 200 litres/day (44 imperial gallons) for each person in the camp. It is currently anticipated that the maximum camp capacity will be 10 people.

The type and capacity of the intake pump required to supply water for a diamond drill rig will vary according to the size of drill used and the drill contractor selected for the work. On average, a typical-sized drill will utilize approximately 7,750 litres of water per day (1,700 imperial gallons/day). The water is re-circulated using a 1,150 litre (250 imperial gallon) portable water tank. A typical pump has a maximum pumping capacity of 68 to 82 litres/minute (15-18 gallons/minute), through 2.5 centimetre (1 inch) high-pressure, rubber hose. Drilling is planned for several different target areas on the Elu Property and the pumps will be located along various water systems (lakes, streams) closest to the drill site.

Although the drills will be located adjacent to the ocean, we do not intend to utilize sea-water for drilling purposes.

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

During open water season, water will be tested for faecal colliform on a monthly basis.

30. Will drinking water be treated? How?

No.

31. Will water be stored on site?

A small holding tank, approximately 200 gallon will be used in the camp.

WASTE TREATMENT AND DISPOSAL

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

- Camp Sewage (blackwater)

During the winter, sewage will be bagged and either incinerated at site or shipped out for disposal elsewhere. When the camp facilities are occupied during the summer period, an outhouse will be established.

- Camp Greywater

Greywater from the kitchen and bath facilities will drain into a natural depression or sump located down slope from the camp. The sump will be located within clay and gravel-rich till to facilitate the collection of any solids and/or grease, yet permit the percolation of the fluids through the overburden and bedrock. The sump will be located at least 30m from high water mark of the nearest water body.

- Solid Waste

All combustible garbage will either be incinerated using a large metal burning barrel or backhauled to Windy Camp for incineration in a larger, efficient incinerator.

- Bulky Items/Scrap Metal

Any scrap metal will be removed from the site at the conclusion of the program.

- Waste Oil/Hazardous Waste

All waste/used oil will be removed from the Elu site to Windy Camp where it will be disposed in the waste-oil incinerator. The only hazardous materials to be located on the property consist of petroleum-based fuels stored at the fuel cache. These will either be consumed or back-hauled at the completion of the program.

- Empty Barrels/Fuel Drums

All empties will be removed from the site at the conclusion of the program.

- Other:

None.

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

A small incinerator will be used to burn combustible items. Alternatively, combustibles will be back-hauled to Windy Camp for incineration in a large, efficient incinerator.

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

All non-combustible waste will be removed from the site to Yellowknife.

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

N/A

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

N/A

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. An experienced camp manager will conduct routine inspections and maintenance to minimize/eliminate possible problems.

ABANDONMENT AND RESTORATION

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

Pending positive results, exploration activities will be ongoing. Upon completion of exploration activities on the Elu Project, the Elu Camp will be removed. All drill sites will be progressively cleaned up.

BASELINE DATA

39. Has or will any baseline information be collected as part of this project? Provide bibliography.

- O Physical Environment (Landscape and Terrain, Air, Water, etc.)
- O Biological Environment (Vegetation, Wildlife, Birds, Fish and Other Aquatic
- O Organisms, etc.)
- O Socio-Economic Environment (Archaeology, Land and Resources Use,
- O Demographics, Social and Culture Patterns, etc.)
- O Other:

No baseline studies are planned at this time.

REGULATORY INFORMATION

40. Do you have a copy of

- O Article 13 - Nunavut Land Claims Agreement
- O NWB - Water Licensing in Nunavut - Interim Procedures and Information Guide for Applicants
- O NWB - Interim Rules of Practice and Procedure for Public Hearings
- O NWTWB - Guidelines for the Discharge of Treated Municipal Wastewater in the NWT
- O NWTWB - Guidelines for Contingency Planning
- O DFO - Freshwater Intake End of Pipe Fish Screen Guideline
- O Fisheries Act - s.35
- O RWED - Environment Protection- Spill Contingency Regulations
- O Canadian Drinking Water Quality Guidelines
- O Public Health Act Camp Sanitation Regulations
- O Public Health Act Water Supply Regulations
- O Territorial Land Use Act and Regulations

YES, we have all of the above documents.

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