EXPLORATION/ REMOTE CAMP
SUPPLEMENTARY QUESTIONNAIRE

Applicant: _____ **Licence No:** _____

(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Environment Manager: **Pamela Strand** Tel: **(780) 435-0045** Fax: **(780) 989-0322**

2. Project Manager: **Jennifer Burgess** Tel: **(780) 435-0045** Fax: **(780) 989-0322**

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: **March 1, 2006** Completion: **November 30, 2008**

CAMP CLASSIFICATION

6. Type of Camp
   - ☐ Mobile (self-propelled)
   - ☐ Temporary
   - ☐ Seasonally Occupied:
   - ☐ Permanent
   - ☐ Other: _____

7. What is the design population of the camp and the maximum population expected on site at one time? What will be the fluctuations in personnel?

   No camp will be constructed.

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

   N/A

CAMP LOCATION

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

N/A

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.

N/A

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

☒Crown Lands	Permit Number (s)/Expiry Date: N2004C0001 (30 Mar 2006)
☐Commissioners Lands	Permit Number (s)/Expiry Date: _____
☒Inuit Owned Lands	Permit Number (s)/Expiry Date: KVL304C01 (23 Mar 2006)

***renewals have been submitted for both**

12. Closest Communities (distance in km):
Rankin Inlet & Chesterfield Inlet are the closest communities from the property area (distance depends on exact area of work), see attached map showing location relative to communities.

13. Has the proponent notified and consulted with the nearby communities and potentially interested parties about the proposed work?
Community consultations have been on going. In addition to letters outlining the proposed work, numerous community meetings have been held to provide updates on the project, describe planned work, share results and information and to provide an opportunity for Shear Minerals to hear comments from community members. As well, Shear Minerals works closely with both Rankin Inlet and Chesterfield Inlet on gathering Traditional Ecological Knowledge and hires locally employing as many as 12 people for our small, grass roots exploration programs operated in the area.

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?
There are no anticipated impacts on traditional water use areas. Shear Minerals has worked closely with community members from both Rankin Inlet and Chesterfield Inlet to identify areas of special concern and consideration. All necessary measures will be taken to avoid and prevent impacts on traditional water use areas and on the local fish and wildlife habitats.

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?

All land-based drill cuttings are pumped to a sump which is either a natural depression or a dyke that is temporarily deployed, both of which trap the drill cuttings and allow the water to drain away. All lake-based drill cuttings will be collected and bagged then disposed of in sumps on land.

20. Describe what will be done with drill water?

All land-based drilling fluids will be pumped to sumps to collect cuttings, allowing the water to drain into the surrounding landscape. All lake-based drilling fluids will be recirculated and stored in tanks. Any waters that require disposal will be pumped in to sumps as described previously.

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.

Products used include 550x Polymer, Linseed Soap, and Big Bear Diamond Rod Grease. See Appendix II of the Spill Contingency Plan for the MSDS sheets of products used.

22. Will any core testing be done on site? Describe.
Core will be moved to Sedna Camp (Josephine Lake) to be mechanically split and sampled.

SPILL CONTINGENCY PLANNING

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

Yes, please see attached Spill Contingency Plan.

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

There will be one spill kit at each operating drill and one at each fuel cache location.

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

See Appendix II of the Spill Contingency Plan for the MSDS sheets of products used.

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

There are numerous small lakes that can be used for land based drilling.

27. Estimated demand:

☐ Domestic Use: _____ Water Source: _____
☒ Drilling Units: 50 m^3/day/drill Water Source: small lakes
☐ Other: _____ Water Source: _____

28. Describe water intake for drill operations? Is the water intake equipped with a mesh screen to prevent entrapment of fish? Describe:

Water intake for drill operations will use a submersible pump with filtered intake and a mesh screen.

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

N/A

30. Will drinking water be treated? How?
N/A

30. Will water be stored on site?

N/A

WASTE TREATMENT AND DISPOSAL

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

- ☐ Camp Sewage (blackwater)
- ☐ Camp Greywater
- ☐ Solid Waste
- ☒ Bulky Items/Scrap Metal - **minimal**
  shipped off site
- ☒ Waste Oil/Hazardous Waste - **minimal**
  shipped off site
- ☒ Empty Barrels/Fuel Drums - **variable**
  empty drums shipped off site on a regular basis
- ☒ Other: **drilling fluids**

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

N/A

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

All inert waste shipped off site will be disposed of at the Rankin Inlet landfill. Authorization has already been granted.

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

Sumps for drill water will be located a minimum of 30 m from the normal high

water mark of any water body.

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

All sumps will be inspected before moving to a new drill target.

OPERATION AND MAINTENANCE

36. 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?

Please refer to the Spill Contingency Plan attached.

ABANDONMENT AND RESTORATION

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

See Abandonment & Restoration Plan attached, Appendix I.

BASELINE DATA

38. 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: _____

REGULATORY INFORMATION

39. 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.