EXPLORATION/ REMOTE CAMP
SUPPLEMENTARY QUESTIONNAIRE

Applicant: _____ **Licence No:** _____

(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Environment Manager: John Williamson Tel:(780) 437-6624 Fax: (780) 439-7308

2. Project Manager: John Williamson Tel: (780) 437-6624 Fax: (780) 439-7308

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 2004 Completion: Sept. 2009

CAMP CLASSIFICATION

6. Type of Camp
   - ☐ Mobile (self-propelled)
   - ☒ Temporary – **New temporary winter camp (Dore)**
   - ☒ Seasonally Occupied: **Exploration Camps (Hayes Camp Upgrade, New Camp (Bullion) and Crater Lake camp will remain the same**
   - ☐ 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?

   Hayes Camp
   8-10 geological personnel, 2 cooks, 1 pilot, 1 engineer, ± 9 drill crew, and 4 camp personnel when required. Max = 30 at one time when drilling.
   Dore Or Bullion
   1-7 geological personnel, 1 cook, 1 pilot, 1 engineer, ± 4 drill crew, and 1 camp personnel when required. Max = 15 per camp at one time when drilling.

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

Hayes Camp – operation since 1994
Crater Lake Camp – operational since 1997
Both used as geological base camps, seasonally when required.
Bullion and Dore camps will be new and used to support further geological mapping and drill programs.

CAMP LOCATION

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

Camps are located on eskers close to lake shores.
Locations are in UTM, Nad 83 Zone 15

Dore Camp		
UTM	499000	7376500
DD	66o30'20"	93o00'02"
Bullion Camp		
UTM	494850	7363850
DD	66o23'30"	93o07'30"
Herc Strip Cache		
UTM	557585	7390506
DD	66o37'56"	91o42'23"
Hayes Camp		
UTM	564613	7394173
DD	66o39'30"	91o33'11"
Three Bluffs Drilling		
UTM	569153	7392660
DD	66o38'42"	91o26'12"
Four Hills Drilling		
UTM	496635	7379784
DD	66o32'12"	93o04'15"

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.

Sites were selected on the basis of location, proximity to exploration areas, relatively flat ground, and geology.

11. Is the camp or any aspect of the project located on:
☒Crown Lands Permit Number (s)/Expiry Date: **N2002C0032 June 26, 2004**

☐Commissioners Lands Permit Number (s)/Expiry Date: _____
☒Inuit Owned Lands Permit Number (s)/Expiry Date: **KTL302-C024 May 31, 2004**
both permits are pending extensions

12. Closest Communities (distance in km):

Pelly Bay to Hayes Camp – 250 km
Repulse Bay to Hayes Camp – 240 km
Pelly Bay to Crater Camp – 135 km
Repulse Bay to Crater Camp – 150 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

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. The drill cuttings are then re-habilitated with peat moss and fertilizer.

20. Describe what will be done with drill water?

    All land based drilling fluids will be treated in sumps to collect cuttings, allowing the water to drain into the surrounding landscape.

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.

    550x Polymer, Linseed Soap, Big Bear Diamond Rod Grease

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

    Core will be moved to the nearest camp to be cut or mechanically split and sampled.

SPILL CONTINGENCY PLANNING

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

    See Spill Contingency Plan included dated Dec, 2003

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

    Three large spill kits will be positioned around the main fuel cache. A smaller kit will be placed at each of the operating drills, the generator shack, with each piece of heavy equipment, the incinerator and the helicopter pad (i.e. wherever fuel is transferred or stored).

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

    See Environmental Procedures plan included dated Dec, 2003

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

All camps are located close to lakes and numerous small ponds and lakes will be used for land based drilling.

27. Estimated demand: (based on max 30 people in camp, and max 15 in supplementary camp)

☒ Domestic Use: 2-4m^3 per day Water Source: local camp lakes
☒ Drilling Units: 30m3 per day per drill Water Source: small lakes & ponds
☐ 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:

Land-based pump with filtered intake.

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

Yes, samples will be taken to monitor various types of coliform bacteria . This will be done on mobilization to the camps, during our occupation and upon de-mobilization.

30. Will drinking water be treated? How?

Water will be lightly chlorinated.

31. Will water be stored on site?

Yes, there will be three 150 gallon tank located at each camp for domestic use.

WASTE TREATMENT AND DISPOSAL

32. Describe the characteristics, quantities, treatment and disposal methods for: **see attached environmental procedures plan**

☒ Camp Sewage (blackwater)
Contained and incinerated in Pacto toilets
☒ Camp Greywater
Sump
☒ Solid Waste
Incineration/shipped of site
☒ Bulky Items/Scrap Metal
shipped off site

☒ Waste Oil/Hazardous Waste
Waste oil will be burned. Hazardous waste shipped off site.

☒ Empty Barrels/Fuel Drums
shipped off site

☐ Other: _____

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

The camp incinerator will be a forced-air, diesel fired system mounted to a metal skid. Blackwater, solid waste and waste oil will be incinerated with this equipment.

34. 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 in the appropriate municipal/city dump.

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

One sump between the kitchen and dry with dimensions of 2m x 2m x 1.2m ($4.8m^3$), more than 100 m from surface water.

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?

In use since 1994 and 1997 at present locations. No problems reported.

ABANDONMENT AND RESTORATION

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

See Environmental Procedure Plans attached

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:

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.