

**EXPLORATION/ REMOTE CAMP
SUPPLEMENTARY QUESTIONNAIRE**

Applicant: _____ **Licence No:** _____

(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Environment Manager: Robin Hopkins Tel: (604) 668 8355 Fax: (604) 689 5041
2. Project Manager: Dean Besserer Tel: (780) 439 5380 Fax: (780) 433 1336
(APEX Geoscience Ltd.)
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 2005** Completion: **September 2008**

CAMP CLASSIFICATION

6. Type of Camp
☐ Mobile (self-propelled)
☐ Temporary
☒ Seasonally Occupied: **Exploration Camp**
☐ 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?
Up to 26 geological personnel, 5 camp support staff, 3 helicopter pilots/1 engineer, and 5 drill personnel when required. Maximum total is 40 at one time when drilling
8. Provide history of the site if it has been used in the past.
A camp was constructed on the site during July 2004 and was occupied until the end of October 2004. Following the completion of the summer exploration season the camp was demobilized to the community of Igloolik. The same location will be utilized for 2005 exploration activities.

CAMP LOCATION

9. Please describe proposed camp location in relation to biogeographical and geomorphological features, and water bodies.
The site is located on a 1000m x 250m till plain. Vegetation is sparse and consists of isolated patches of grass or moss. A small 400m x 80m lake suitable as a water source is located 70m to the south and a larger 750m x 100m lake is located 500m to the north.
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 location was chosen on the basis of its central position relative to the exploration area, presence of a landing strip for fixed-wing aircraft, a water source for camp use, and that it was not intersecting a major wildlife migratory path (see attached location map)
11. Is the camp or any aspect of the project located on:
The camps are located on Crown land but the area for exploration covers both Crown and Inuit Owned Land
- | | |
|---|--|
| ☒ Crown Lands | Permit Number (s)/Expiry Date: <u>N2003C0020 (June 11, 2005)</u> |
| ☐ Commissioners Lands | Permit Number (s)/Expiry Date: _____ |
| ☒ Inuit Owned Lands | Permit Number (s)/Expiry Date: <u>KVL303C275 (June 11, 2005), KVL303C276 and KVL303C277 (June 12, 2005); Q03L3C09, Q03L3C10 and Q03L3C11 (November 30, 2004)</u> |
12. Closest Communities (distance in km):
Igloolik is located approximately 15 km from the nearest boundary of the exploration site.
13. Has the proponent notified and consulted the nearby communities and potentially interested parties about the proposed work?
Yes. Community consultation meetings are held in the nearby hamlets of Igloolik and Hall Beach approximately every 6 months.
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 mechanically split and sampled.

SPILL CONTINGENCY PLANNING

23. Does the proponent have a spill contingency plan in place? Please include for review.
Please see attached Spill Contingency Plan
24. How many spill kits will be on site and where will they be located?
A number of spill kits will be on site, including: one at the fuel tank location, one at the camp site and the third at the drill site.
25. Please describe the types, quantities, and method of storage of fuel and chemicals on site, and provide MSDS sheets.
Please see attached.

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.
Numerous small ponds and lakes are readily available for land-based drilling
27. Estimated demand: (based on max 40 people in camp)
☒ Domestic Use: **10 cubic metres/day** Water Source: **local camp lakes**
☒ Drilling Units: **50 cubic metres/drill/day** 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:
Submersible pump with filtered intake.
29. Will drinking water quality be monitored? What parameters will be analyzed and at what frequency?
Yes, one (1) sample will be taken when mobilizing the camps, with the possibility of further sampling if necessary. Tests will be conducted with a field test kit and will be standard water examinations for various types of coliform bacteria.
30. Will drinking water be treated? How?
If necessary (depending on the test results), water will be chlorinated.

31. Will water be stored on site?
Yes, there will be tank(s) located at the campsite for domestic purposes (approx. 150-gallon tanks)

WASTE TREATMENT AND DISPOSAL

32. Describe the characteristics, quantities, treatment and disposal methods for:
Please see attached environmental procedures plan
- ✓ Camp Sewage (blackwater) **8 gal/day**
- **latrine sump**
 - ✓ Camp Greywater **320 gal/day**
- **sump**
 - ✓ Solid Waste **minimal**
- **incineration or shipped off site**
 - ✓ Bulky Items/Scrap Metal **minimal**
- **shipped off site**
 - ✓ Waste Oil/Hazardous Waste **minimal**
- **shipped off site**
 - ✓ Empty Barrels/Fuel Drums **variable**
- **shipped off site**
 - ☐ Other:
33. Please describe incineration system if used on site. What types of wastes will be incinerated?
Modified 45 gallon drum
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 at the appropriate municipal/city dump
35. Describe location (relative to water bodies and camp facilities) dimensions and volume, and freeboard for sumps (if applicable).
2m x 2m x 1.2m sump, 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?

Please see attached “Spill Contingency Plan”

ABANDONMENT AND RESTORATION

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

Please see attached “Abandonment & Restoration Plan”.

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: _____

Please see attached bibliography

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.