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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: SILVERMET INC

Licence No: _____
(For NWB Use Only)

ADMINISTRATIVE INFORMATION

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

Not Applicable. We will have an environmental monitor working for us out of Kugluktuk.

2. **Project Manager: Gary Vivian, Dave White Tel: 867-920-2729 Fax: 867-873-3816**
E-mail: gary@auroragesciences.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. As the optionor of the claims, I will get Silvermet to submit a document showing their agreement with claim holder.

5. Duration of the Project

☐ One year or less Start and completion dates: May 2007 to May 2012
☒ Multi Year:

If Multi-Year indicate proposed schedule of on site activities

Start: Likely May of most years Completion: Likely the latest will be mid-September

CAMP CLASSIFICATION

6. Type of Camp

☐ Mobile (self-propelled)
☒ Temporary
☒ Seasonally Occupied: _____
☐ Permanent
☐ Other: _____

7. What is the design, maximum and expected average population of the camp?
8 wood frame and insulated tents for up to 12 people.

8. Provide history of the site if it has been used in the past.
Prize Mining and others have used the old camp site at McGregor Lake over the past 25-30 years. This old camp is at the north end of McGregor Lake and currently being used by Adrianna.

CAMP LOCATION

9. Please describe proposed camp location in relation to biogeographical and geomorphological features, and water bodies.
Camp is located at 66° 59.2' N and 114° 54' W on a 1.3 km long lake. Camp is on a point with glacial till covering outcrop (up to 8 -12" thick). General area is 15-20% rock, 20-30% lake and 35-50% overburden and glacial till.
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. Camp was not previously used before last summer . Camp was chosen along with Jack Kaniak and an Air Tindi pilot to ensure usability in the summer. Map is included.
11. Is the camp or any aspect of the project located on:
- | | | |
|-------------------------------------|--------------------------|--|
| <input checked="" type="checkbox"/> | Crown Lands - Camp | Permit Number (s)/Expiry Date: permit not received yet |
| <input type="checkbox"/> | Commissioners Lands | Permit Number (s)/Expiry Date: _____ |
| <input checked="" type="checkbox"/> | Inuit Owned Lands - work | Permit Number (s)/Expiry Date: permit not received yet |
12. Closest Communities (direction and distance in km):
Kugluktuk is the closest community and lies some 85 km north-northwest.
13. Has the proponent notified and consulted the nearby communities and potentially interested parties about the proposed work?
We operated out of Kugluktuk last year and hired three locals. The community knows we will be back. I plan on going to Kugluktuk to hire people once we have our program straightened out.
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?
This program will have very limited to no impact on water used by Kugluktuk. There is far too much natural filtration involved with this program.

PURPOSE OF THE CAMP

15. ☒ Mining (includes exploration drilling)
☐ Tourism (hunting, fishing, wildlife observation, adventure/expedition, etc.)
(Omit questions # 16 to 21)
☐ Other _____
16. Activities (check all applicable)
- | | |
|-------------------------------------|--|
| <input type="checkbox"/> | Preliminary site visit |
| <input checked="" type="checkbox"/> | Prospecting |
| <input checked="" type="checkbox"/> | Geological mapping |
| <input checked="" type="checkbox"/> | Geophysical survey |
| <input checked="" type="checkbox"/> | Diamond drilling |
| <input type="checkbox"/> | Reverse circulation drilling |
| <input type="checkbox"/> | Evaluation Drilling/Bulk Sampling (also complete separate questionnaire) |

☐ Other: _____

17. Type of deposit (exploration focus):

- ☐ Lead Zinc
- ☐ Diamond
- ☐ Gold
- ☐ Uranium
- X Other: Copper, nickel, PGE's

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 directed away from waterways using a riffle hose system. Cuttings will be cleaned up and removed from the collar upon the completion of each hole.

20. Describe what will be done with drill water?

Drill water will be directed into natural sumps for filtering back into the water system.

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.

Drill additives will be Polydril OBX and/or 133. Sheets are appended.

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

Core will be split on site, packaged and shipped to Vancouver (ACME Analytical) for full geochemical analyses.

SPILL CONTINGENCY PLANNING

23. The proponent is required to have a site specific Spill Contingency Plan prepared and submitted with the application This Plan should be prepared in accordance with the *NWT Environmental Protection Act, Spill Contingency Planning and Reporting Regulations, July 22, 1998* and *A Guide to the Spill Contingency Planning and Reporting Regulations, June 2002*. Please include for review.

Appended.

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

Two, one at camp and one at drill site.

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

Two caches of diesel and jet-B in the area of drilling (see map) and one in the area of the camp (see map). Each cache will contain 50-70 drums of diesel, 50 drums of jetB and 10 propane. The two drill caches will contain 20-30 bags of polydril. Fuel at all caches will be stored in 45 gal sealed drums and propane is in 100 lb cylinders. Polydril is in 25 kg bags. Fuel will be

stored using a berm system of using heavy polymil plastic underlying fuel caches with lifted edges so no leakage can occur outside the berm.

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.
Drill sites are shown as accurately as possible on the map. Closest water source will be the source for water (stream, lake or pond). Camp location is shown on map and water source will be directly from camp location.
27. Estimated water use (in cubic metres/day):
- ☒ Domestic Use: approx 2 cubic metres Water Source: lake at camp
☒ Drilling: 12-15 cubic metres Water Source: closest, stream, pond or lake
☐ Other: _____ Water Source: _____
28. Describe water intake for camp operations? Is the water intake equipped with a mesh screen to prevent entrapment of fish? (see *DFO 1995, Freshwater Intake End-of-Pipe Fish Screen Guideline*) Describe:
Water system at camp will use a 1.5" water line used to fill a 150 gal water tank in dry possibly twice a day on some days. Small 3 hp water pump and a 2.0" intake line with mesh screen will push water to holding tank in dry.
29. Will drinking water quality be monitored? What parameters will be analyzed and at what frequency?
We had no problems using the water out of the lake last year under our Class B License. Should sickness occur or DIAND wants us to monitor the water, we will do so.
30. Will drinking water be treated? How?
Maximum treatment would be a Brita water filter. This water is excellent quality.
31. Will water be stored on site?
Small 150 gal water tank in camp and one at the drill will hold water.

WASTE TREATMENT AND DISPOSAL

32. Describe the characteristics, quantities, treatment and disposal methods for:
- ☒ Camp Sewage (blackwater) – sewage will be bagged and incinerated on site.
Probably less than 0.1 cubic m per day.
-
- ☐ Camp Greywater – Directed through ABS pipe into a natural sump ≈ 2 cubic m/day
-
- ☒ Solid Waste

☐ Bulky Items/Scrap Metal

☒ Waste Oil/Hazardous Waste – drained into containers and shipped to closest or most accessible waste treatment facility.

☒ Empty Barrels/Fuel Drums – will be transported back to YK.

☐ Other:

33. Please describe incineration system if used on site. What types of wastes will be incinerated?
The incinerator system is a 45 gal drum design by a local plumber here in town. A tiger torch is used to incinerate through the 45 gal drum. Garbage and human waste will be incinerated. Any remaining material will be bagged and shipped to waste disposal site.
34. Where and how will non-combustible waste be disposed of? If in a municipality in Nunavut, has authorization been granted?
Non-combustible waste will be directed back to YK and discarded properly. Once I meet the community in Kugluktuk, I will address using their facility for some waste.
35. Describe location (relative to water bodies and camp facilities) dimensions and volume, and freeboard for all sumps (if applicable).
A natural sump will be dug 10m from the kitchen/dry facility to run the greywater into. This will be a minimum of 50 m from the lake (we will do our best to put it further away but depends on the ground).
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?
There are no problems with the waste treatment and disposal methods. They have been used positively for numerous years. There aren't any automated parts and we are doing our best to stay away from extremely cold temperatures.

ABANDONMENT AND RESTORATION

38. Provide a detailed description of progressive and final abandonment and restoration activities at the site. All drill sites will be cleaned as we progress. All drums, cylinders and waste will be removed. Drill will be demobilized once drilling phases are complete. Camp structures will be removed or burnt as per the regulations.

BASELINE DATA

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

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

We monitor biological and socio-economic environments using sheets. We will provide this documentation in all reports.

REGULATORY INFORMATION

40. At a minimum, you should ensure you have a copy of and consult the documents below for compliance with existing regulatory requirements:

- ✓ ARTICLE 13 – *NCLA -Nunavut Land Claims Agreement*
- ✓ NWNSRTA – *The Nunavut Waters and Nunavut Surface Rights Tribunal Act, 2002*
- ✓ *Northwest Territories Waters Regulations, 1993*
- ✓ NWB - Water Licensing in Nunavut - Interim Procedures and Information Guide for Applicants
- ✓ NWB - Interim Rules of Practice and Procedure for Public Hearings
- ✓ RWED – *Environmental Protection Act, R-068-93- Spill Contingency Planning and Reporting Regulations, 1993*
- ✓ RWED A Guide to the Spill Contingency Planning and Reporting Regulations, 2002
- ✓ NWTWB - Guidelines for Contingency Planning
- ✓ *Canadian Environmental Protection Act, 1999 (CEPA)*
- ✓ *Fisheries Act, RS 1985 - s.34, 35, 36 and 37*
- ✓ DFO - Freshwater Intake End of Pipe Fish Screen Guideline
- ✓ NWTWB - Guidelines for the Discharge of Treated Municipal Wastewater in the NWT
- ✓ Canadian Council for Ministers of the Environment (CCME); Canadian Drinking Water Quality Guidelines, 1987
- ✓ Public Health Act - Camp Sanitation Regulations
- ✓ Public Health Act - Water Supply Regulations
- ✓ *Territorial Lands Act and Territorial Land Use Regulations; Updated 2000*