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NUNAVUT IMALIRIYIN KATIMAYINGI

EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: Prof. Lee A. Groat Licence No: _____

(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Environment Manager: As above Tel: (604) 822-4525 Fax: (604) 822-6088 E-mail: lgroat@eos.ubc.ca
2. Project Manager: As above Tel: _____ Fax: _____ E-mail: _____
3. Does the applicant hold the necessary property rights? Access to Inuit-owned land applied for _____
4. Is the applicant an 'operator' for another company (i.e., the holder of the property rights)? No
If so, please provide letter of authorization.
5. Duration of the Project
☒ Annual
☐ Multi Year:
If Multi-Year indicate proposed schedule of on site activities
Start: July 4, 2006 Completion: No later than July 20, 2006

CAMP CLASSIFICATION

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

4 people, no fluctuations
8. Provide history of the site if it has been used in the past.

Some minor research work has been done in the past, as described in the following publications:

CADE, A.M. (2003): Colouration of lazurite from Baffin Island, Nunavut. M.Sc. thesis, University of Western Ontario.

- GRICE, J.D. & GAULT, R.A. (1983): Lapis Lazuli from Lake Harbour, Baffin Island, Canada. *Rocks & Mineral*. **58**, 13-19.
- HOGARTH, D.D. (1971): Lapis Lazuli near Lake Harbour, Southern Baffin Island, Canada. *Can. J. Earth Sci.* **8**, 1210-1217.
- HOGARTH, D.D. & GRIFFIN, W.L. (1978): Lapis Lazuli from Baffin Island – a Precambrian meta-evaporite. *Lithos* **11**, 37-60.

CAMP LOCATION

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

The proposed camp will be close to the west bank of the Soper River.

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.

Proximity to lapis lazuli occurrence

11. Is the camp or any aspect of the project located on:
- | | |
|---|--|
| <input type="checkbox"/> Crown Lands | Permit Number (s)/Expiry Date: _____ |
| <input type="checkbox"/> Commissioners Lands | Permit Number (s)/Expiry Date: _____ |
| <input checked="" type="checkbox"/> Inuit Owned Lands | Permit Number (s)/Expiry Date: Applied for |

12. Closest Communities (distance in km):

Kimmirut, 15 km south of the proposed camp.

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

Some potentially interested parties such as INAC have been informed and an application for access to the land has been forwarded to the Qikiqtani Inuit Association

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 and no

PURPOSE OF THE CAMP

15. ☐ Mining
☐ 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: geological research_____

17. Type of deposit:

- ☐ Lead Zinc
- ☐ Diamond
- ☐ Gold
- ☐ Uranium
- ☒ Other: lapis lazuli

DRILLING INFORMATION

18. Drilling Activities

- ☐ Land Based drilling
- ☐ Drilling on ice

19. Describe what will be done with drill cuttings?

20. Describe what will be done with drill water?

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.

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

SPILL CONTINGENCY PLANNING

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

No, not required

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

None

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

The only fuel will be a propane canister for a camp stove. We will take the canister with us when we leave the camp.

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

Soper River

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

⊗ Domestic Use: 4 L/day x 4 people = 16 L/day Water Source: Soper River

○ Drilling Units: _____ Water Source: _____

○ 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:

The water will be obtained with a plastic bucket. If fish are entrapped the entire bucket will be dumped back in the river and we will try again for a bucket of water without fish.

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

No need

30. Will drinking water be treated? How?

The drinking water will not be treated.

31. Will water be stored on site?

No

WASTE TREATMENT AND DISPOSAL

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

☒ Camp Sewage (blackwater)

A pit toilet will be dug ~200 m from all water courses. The pit will be filled in when we leave.

☐ Camp Greywater

A grey water pit will be dug ~200 m from all water courses. The pit will be filled in when we leave.

☐ Solid Waste

All solid waste will be removed when we leave.

☐ Bulky Items/Scrap Metal

☐ Waste Oil/Hazardous Waste

☐ Empty Barrels/Fuel Drums

☐ Other:

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

None

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

We expect to produce a very minor amount of waste (1-2 garbage bags), mainly food packaging, which we will deposit at the local transfer station in Kimmirut.

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

Not applicable

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

No

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?

These are standard low-impact camping techniques that have been used and proven in cold climates.

ABANDONMENT AND RESTORATION

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

The toilet pit and grey water pit will both be filled in. The entire camp including all garbage will be removed.

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: Geological information to complement and expand upon the previous studies listed above.

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.

