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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

EXPLORATION/ REMOTE CAMP
SUPPLEMENTARY QUESTIONNAIRE

Applicant: Jean-Baptiste Koehl **Licence No:** _____
(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Environment Manager: JB Koehl Tel: +47 45127244 Fax: _____ E-mail: _____
jean-baptiste.koehl@uit.no

2. Project Manager: Jean-Baptiste Koehl Tel: +47 45127244 Fax: _____ E-mail: _____
jean-baptiste.koehl@uit.no

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

   - [x] One year or less — Start and completion dates: 01.07.2019-26.07.2019
   - [ ] Multi Year:

   If Multi-Year indicate proposed schedule of on site activities
   Start: _____ Completion: _____

CAMP CLASSIFICATION

6. Type of Camp

   - [ ] Mobile (self-propelled)
   - [x] Temporary
   - [ ] Seasonally Occupied: _____
   - [ ] Permanent
   - [ ] Other: _____

7. What is the design, maximum and expected average population of the camp?

Two-person tent for two persons.

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

CAMP LOCATION

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

The camp will be located on the Grinnell Peninsula, near the Lyall 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.

The camp location was selected for its proximity to the targeted rock outcrops.

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

☒	Crown Lands	Permit Number (s)/Expiry Date: _____
☐	Commissioners Lands	Permit Number (s)/Expiry Date: _____
☐	Inuit Owned Lands	Permit Number (s)/Expiry Date: _____

12. Closest Communities (direction and distance in km):

Resolute Bay to the south of the study area at ca. 250 km distance.

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

The principal investigator has notified the Nunavut Research Institute (application for a scientific research license), and the Polar Continental Shelf in Resolute Bay, which will provide logistics to the project.

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 (includes exploration drilling)
- ☐ Tourism (hunting, fishing, wildlife observation, adventure/expedition, etc.) (Omit questions # 16 to 21)
- ☒ Other Scientific research

16. Activities (check all applicable)

- ☐ 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 (exploration focus):

- ☐ Lead Zinc
- ☐ Diamond
- ☐ Gold
- ☐ Uranium
- ☐ Other: _____

Not applicable.

DRILLING INFORMATION

18. Drilling Activities

- ☐ Land Based drilling
- ☐ Drilling on ice

Not applicable.

19. Describe what will be done with drill cuttings?

Not applicable.

20. Describe what will be done with drill water?

Not applicable.

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.

Not applicable.

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

Not applicable.

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.

Not applicable.

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

Not applicable.

25. Please describe the types, quantities, and method of storage of fuel and chemicals on site, and provide MSDS sheets. 10 L of kerosene for cooking purposes stored in a jerry can.

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

Lyall River and nearby snow patches.

27. Estimated water use (in cubic metres/day):

- [X] Domestic Use: 0.01 Water Source: Lyall River and nearby snow patches.
- [ ] Drilling: _____ 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? (see *DFO 1995, Freshwater Intake End-of-Pipe Fish Screen Guideline*) Describe:

Water for domestic use only.

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

No.

30. Will drinking water be treated? How?

Drinking water will be boilt.

31. Will water be stored on site?

A small amount of water (< 0.01 m3) will be stored on site for drinking and cooking purposes.

WASTE TREATMENT AND DISPOSAL

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

☒ Camp Sewage (blackwater)

Human waste, ca. 8 kg, will be burnt on site. Unburnt waste will be sealed in waterproof bags and brought back to Resolute Bay.

☒ Camp Greywater

Ca. 13 liters, disposed of in dug out pits, which will be backfilled.

☒ Solid Waste

Ca. 16 kg, burnt on site. Unburnt waste will be sealed in waterproof bags and brought back to Resolute Bay.

☐ Bulky Items/Scrap Metal

☐ Waste Oil/Hazardous Waste

☒ Empty Barrels/Fuel Drums

Fuel for cooking purposes stored in one jerry can, which will be brought back to Resolute Bay.

☐ Other:

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

Burning of combustible solid waste and human waste (sewage) as much as possible.

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 stored in waterproof bags and brought back to Resolute Bay. Authorization pending.

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

1m x 1m x 1m (volume = 1 m3) dug out pit near the camp but away from water bodies.

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?

Not applicable.

ABANDONMENT AND RESTORATION

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

Dug out pits will be backfilled and all camping equipment and unburnt waste will be brought back to Resolute Bay.

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: small hand-size rock samples for geological analysis

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