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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

**EXPLORATION/ REMOTE CAMP**
**SUPPLEMENTARY QUESTIONNAIRE**

**Applicant: ___Jeffery M. Saarela_____Licence No: _____**

(For NWB Use Only)

**ADMINISTRATIVE INFORMATION**

1. **Environment Manager: _____Tel: _____ Fax: _____E-mail:_____**

2. **Project Manager:_____Tel: _____Fax: _____E-mail: _____**

3. Does the applicant hold the necessary property rights?

4. Is the applicant an 'operator' for another company (i.e., the holder of the property rights)? If so, please provide letter of authorization.

5. Duration of the Project

☐ One year or less Start and completion dates: _____

☐ 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?

**Katannilik Territorial Park:**
**Over a period of 21 days we will erect 5-7 temporary camps, each comprising six or seven small tents: one work tent, one cook tent, and four or five sleep tents. Our research team includes six people.**

**Head of Barrier Inlet:**
**We will erect a small, temporary camp for seven days at the head of Barrier Inlet. This camp will comprise six or seven personal tents: one work tent, one cook tent, four or five sleep tents. Our research team includes six people.**

**Taqaiqsirvik Territorial Park (Campground):**
**We will erect a small, temporary camp for five days at Taqaiqsirvik Territorial Park (campground). This camp will be the same as the others, comprising six or seven personal tents: one work tent, one cook tent, four or five sleep tents. Our research team includes six people.**

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

- **The Soper River is a popular river for adventurers, and many people have canoed it before, as we propose to do.**
- **We are not aware of previous usage of the location of our proposed camp at Barrier Inlet.**
- **Taqaiqsirvik Territorial Park (Campground) was established fairly recently for campers, like our team.**

## CAMP LOCATION

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

**In Katannilik Territorial Park we will be travelling by canoe along the Soper River, and will camp in suitable areas along the river. This river is popular with canoeists, who camp in the river valley when they visit the park. We do not know in advance the locations of our various camps in the Park, as they will be dictated by how far we are able to travel along the river in a day. In general, camps will be set up in areas with multiple habitats that are likely to support a large diversity of plant species.**

**Components of the environment near the Barrier Inlet camp include various water bodies, including a small river/stream running into Barrier Inlet, several small lakes, and the head of Barrier Inlet. Elevation varies from ca. 34 m to ca. 400 m within 5 km of the camp. Plant diversity in the area has not been documented. There are no eskers in the Barrier Inlet vicinity.**

**Our final camp will be in a campground outside Kimmirut (Taqaiqsirvik Territorial Park).**

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 location of our remote camp at Barrier Inlet was chosen because it is in an area where there appears (based on looking at a topographical map) to be a lot of habitat diversity, which is likely to support a large diversity of plant species. The camp is near an inlet, a small river, a small lake, and several upland areas – all of these interesting features are within walking distance of the camp, which was a key consideration in choosing this site.**

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: _____

X Inuit Owned Lands Permit Number (s)/Expiry Date:
**Permit application submitted March 2012, expected May 2012**

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

**Kimmirut is the closest community to Katannilik Territorial Park and the head of Barrier Inlet (60 km SE of Kimmirut). Mt. Joy in Katannilik Territorial Park is ca. 48 km (air) from Kimmirut.**

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

**Yes, we have contacted the headquarters of Katannilik Territorial Park, and have submitted a land use permit application 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**

## PURPOSE OF THE CAMP

15. ☐ Mining (includes exploration drilling)
☐ Tourism (hunting, fishing, wildlife observation, adventure/expedition, etc.)
(Omit questions # 16 to 21)
**X** Other: **Botanical research (studying plant biodiversity)**

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)
**X** Other: **Collecting representative plant specimens of all species encountered.**

17. Type of deposit (exploration focus): **n/a**

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

## DRILLING INFORMATION

18. Drilling Activities **n/a**

☐ Land Based drilling
☐ Drilling on ice

19. Describe what will be done with drill cuttings? **n/a**

20. Describe what will be done with drill water? **n/a**

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. **n/a**

22. Will any core testing be done on site? Describe. **n/a**

## 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.

**Our Spill Contingency Plan is included with our licence application.**

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

**We will have one spill kit on site, located near the fuel storage area.**

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

**This information is included in our Spill Contingency Plan; please see the plan for these details.**

## WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

**1. Soper Heritage River: Over a three week period in July 2012 we will be travelling by canoe some 60 km along this river, from Mt. Joy to Kimmirut. The Soper Heritage River will be our main water source.**

**2. Small unnamed river entering Barrier Inlet (62°36'20" N 68°50'50"W) and adjacent unnamed small lake (62°36'97"N 68°48'47"W). We will use the small river and possibly the adjacent lake as water sources. We will cross the small unnamed river during day hikes.**

**3. Taqaiqsirvik Territorial Park (Campground), Kimmirut. When staying at this campground, we will get our water from municipal sources in Kimmirut.**

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

X Domestic Use: **0.03 $m^3$/day** Water Source: **see 1 & 2 above**
☐ 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:

**bucket, small hand-held backpacking water filter**

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

**Drinking water quality will not be monitored. We will filter our drinking water with hand-held backpacking water filters.**

30. Will drinking water be treated? How?

**We will filter our drinking water with hand-held backpacking water filters.**

31. Will water be stored on site?

**We will store 10-15 L of water at a time in water containers (water for drinking and cooking).**

## WASTE TREATMENT AND DISPOSAL

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

X Camp Sewage (blackwater): **Human sewage will be minimal (six people) and will be buried.**

X Camp Greywater: **ca. 15 L/ day (cooking water), we will dispose of this at least 50 m from water sources.**

☐ Solid Waste

☐ 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?

**Only toilet paper will be incinerated on site. It will be burned in a small hole in the ground. All other garbage will be packed out.**

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

**n/a**

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

**n/a**

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?

**n/a**

## ABANDONMENT AND RESTORATION

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

**We will leave the site as we found it. Our small, temporary camps will have very minor impacts on the sites where we stay.**

## 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.)
- X 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: _____

**The purpose of this project is to collect detailed baseline data on the diversity and distribution of the flora.**

## 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