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NUNAVUT WATER BOARD  
NUNAVUT IMALIRIYIN KATIMAYINGI  
OFFICE DES EAUX DU NUNAVUT

## EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: Pierre Francus 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. No

5. Duration of the Project

☐ One year or less Start and completion dates: From May 2010 to May 2015  
☒ Multi Year:

If Multi-Year indicate proposed schedule of on site activities

Start: May 2011 Completion: May 2015

### 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?  
5 people will stay for 12 days for the 2011 field season. 6 tents will be set up, 5 sleeping tents and one cooking tent

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

Site was previously used in 1998, 1999, 2000, 2006, 2008 by our team and others

## CAMP LOCATION

9. Please describe proposed camp location in relation to biogeographical and geomorphological features, and water bodies.  
A temporary camp will be set up near South Sawtooth Lake on a river terrasse, a few 100 meters away from the lake and the river. It will be located on bare ground.  
No vegetation will be disturbed
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.  
Site was previously used in 1998, 1999, 2000, 2003, 2006
11. Is the camp or any aspect of the project located on:
- |    |                          |                     |                                      |
|----|--------------------------|---------------------|--------------------------------------|
| No | <input type="checkbox"/> | Crown Lands         | Permit Number (s)/Expiry Date: _____ |
|    | <input type="checkbox"/> | Commissioners Lands | Permit Number (s)/Expiry Date: _____ |
|    | <input type="checkbox"/> | Inuit Owned Lands   | Permit Number (s)/Expiry Date: _____ |
12. Closest Communities (direction and distance in km):  
Resolute Bay is located 600 km NE of Resolute Bay
13. Has the proponent notified and consulted the nearby communities and potentially interested parties about the proposed work?  
The mayor and the school principal were contacted last year and aware of the kind of research we do and why
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)  
☒ Other Scientific Research
16. Activities (check all applicable)
- |                          |                        |
|--------------------------|------------------------|
| <input type="checkbox"/> | Preliminary site visit |
| <input type="checkbox"/> | Prospecting            |
| <input type="checkbox"/> | Geological mapping     |
| <input type="checkbox"/> | Geophysical survey     |
| <input type="checkbox"/> | Diamond drilling       |

- ☐ Reverse circulation drilling  
☐ Evaluation Drilling/Bulk Sampling (also complete separate questionnaire)  
☒ Other: Retrieving sediment cores with manual system

17. Type of deposit (exploration focus):

- ☐ Lead Zinc  
☐ Diamond  
☐ Gold  
☐ Uranium  
☐ Other: \_\_\_\_\_

## DRILLING INFORMATION

18. Drilling Activities Not applicable

- ☐ 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.

No

## 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.

Oil and gas will be stored on a tarp away from camp

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

One spill kit

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

Gazoline (60 l) will be stored on a tarp  
Propane (40 lbs) will be store in the cooking tent  
Skidoo oil (2l) will be stored on a tarp

## **WATER SUPPLY AND TREATMENT**

26. Describe the location of water sources.

Melting snow from a snowbank

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

☒ Domestic Use: 0.01 Water Source: melting snow from  
☐ 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:

No intake

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

No

30. Will drinking water be treated? How?

No

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)

12 kg will be removed to Resolute Bay (PCSP Facility)

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☒ Camp Greywater

70 liters will be disposed in a sump located 35 meters above ordinary water mark from a river or the lake and away from any river flow

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☒ Solid Waste

If any, they will be moved to Resolute

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☐ Bulky Items/Scrap Metal

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☐ Waste Oil/Hazardous Waste

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☐ Empty Barrels/Fuel Drums

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☐ Other:

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

N.A.

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

It will be moved to PCSP facility in Resolute Bay

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.

This is a temporary tent camp. Everything will be removed from the site

## 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: Data will be made available through scientific publications, presentations during conferences and were introduced to childrens last year. Data will be stored and made freely avaiable on data Base, such as Polar Catalog

## 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