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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
   ☒ Multi Year:

   Start and completion dates: From May 2010 to May 2015

   If Multi-Year indicate proposed schedule of on site activities
   Start: May 2010 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?
   Three persons will stay at the camp for 5 days during the first year. Three tents will be erected for sleeping and another tent will be erected to store the food and cooking supplies.

8. Provide history of the site if it has been used in the past.
   The site has not 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 erected close to Strathcona Lake (78° 33' 45" N, 81° 55' 46" S). No vegetation will be disturbed. The camp will be erected directly on bare ground, on an old terrasse.

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 to avoid long travel distance from the camp to the field. The site was not used previously as a camp location, but it was visited by Pierre Francus and his team.

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

No	☐	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 is located 550 km away from Strathcona Lake.

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

The mayor of Resolute Bay was contacted, as well as the principal of Qarmatalik School, in Resolute Bay.

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)

- ☐ Preliminary site visit
- ☐ Prospecting
- ☐ Geological mapping
- ☐ Geophysical survey
- ☐ Diamond drilling

- ☐ Reverse circulation drilling
- ☐ Evaluation Drilling/Bulk Sampling (also complete separate questionnaire)
- ☒ Other: Retrieving short sediment cores (max 1.5 m long) from the bottom of two lakes
  Measurements of water physical parameters with CTD.

17. Type of deposit (exploration focus):

- ☐ 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.

Oil and gas will be stored on tarp.

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

One spill kit will be on site.

25. Please describe the types, quantities, and method of storage of fuel and chemicals on site, and provide MSDS sheets.
Gasoline (40 L) will be stored outside on a tarp.
Propane (20 lbs) will be stored inside the catering tent.
Skidoo oil (1 L) will be stored outside on a tarp.

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.
Melting snow in the nearest snowbank will be used as water source.

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

0.003 cubic meters/day

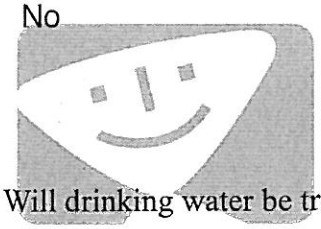
- [X] Domestic Use: _____ Water Source: Melting snow from snowbank
- [ ] Drilling: _____ Water Source: _____
- [ ] Other: _____ Water Source: _____

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:

N.A. (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)

2 kg are projected to be generated. It will be removed to Resolute Bay

☒ Camp Greywater

3 L per day are projected to be generated. It will be dispersed in silt bed away from lakes and rivers.

☐ Solid Waste

☐ Bulky Items/Scrap Metal

☐ Waste Oil/Hazardous Waste

☐ Empty Barrels/Fuel Drums

☒ Other:

Combustible wastes will be removed to Resolute Bay.

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 removed to 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.

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.

- [X] 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: _____

Data will be made available through scientific publications, scientific presentations during conferences, presentations to children of Resolute Bay. Data and metadata will be made available in international database such as NOAA NCDC National Climatic Data Center and Arctic2k metadatabase.

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