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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

RECEIVED
By Richard Dwyer at 8:52 am, Apr 15, 2011

EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: Genevieve Le Moine **Licence No:** _____
(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Environment Manager: G. LeMoine Tel: 207-725-3304 Fax: 207/725/3499 E-mail: glemoine@bowdoin.edu
2. Project Manager: same Tel: _____ Fax: _____ E-mail: _____
3. Does the applicant hold the necessary property rights? n/a
4. Is the applicant an 'operator' for another company (i.e., the holder of the property rights)? If so, please provide letter of authorization. n/a
5. Duration of the Project
☒ One year or less Start and completion dates: 25/0711 - 08/08 2011
☐ Multi Year:

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

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?

Tent camp, population 4

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

CAMP LOCATION

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

Camp will be located at Cape Sheridan, near Floeberg Beach. Camp will be located ca. 50 away from water source, and up to 1km from the shore, likely on the gravel ridge above and behind Floeberg Beach.

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.

General camp location is determined by proximity to known archaeological resources. Specific location of camp will be determined upon arrival at Cape Sheridan, depending on Twin Otter landing site, location of any melt water ponds etc.

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

<input checked="" type="checkbox"/>	Crown Lands	Permit Number (s)/Expiry Date: <u>n/a</u>
<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):

CFS Alert 16 km ESE
Grise Fiord 780 km SW

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

Yes (letters available on request)

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 archaeological research

16. Activities (check all applicable)

- x Preliminary site visit
- ☐ Prospecting
- ☐ Geological mapping
- ☐ Geophysical survey
- ☐ Diamond drilling
- ☐ Reverse circulation drilling
- ☐ Evaluation Drilling/Bulk Sampling (also complete separate questionnaire)
- x Other: archaeological survey

17. Type of deposit (exploration focus):

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

DRILLING INFORMATION

18. Drilling Activities: none

- ☐ 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.

See attached CSAP spill plan.doc

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

One, stored with fuel

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

Fuel: coleman stove fuel, stored in original cans – 4 gallons MSDS attached

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

proximate free-flowing water source (unnamed stream)

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

☐ Domestic Use: .03 Water Source: unnamed stream
☐ Drilling: n/a Water Source:
☐ Other: n/a 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 will be collected by hand using a standard plastic 5-gallon water jug

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?

Small quantities for daily domestic consumption will be stored in a water container in the cook tent

WASTE TREATMENT AND DISPOSAL

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

☒ Camp Sewage (blackwater)

Pit latrine

☒ Camp Greywater

_____ sump pit _____

☒ Solid Waste

_____ kitchen waste, burned daily, ashes removed at end of field season for disposal at PCSP, Resolute Bay (municipal dump) _____

☐ Bulky Items/Scrap Metal

_____ fuel cans etc, returned to PCSP in Resolute Bay _____

☐ Waste Oil/Hazardous Waste

n/a – any remaining fuel will be returned to PCSP

☐ Empty Barrels/Fuel Drums

n/a

☐ Other:

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

Domestic trash will be burned, the remains removed from the site

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

Waste will be returned to PCSP in Resolute Bay for disposal

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

A small Kitchen sump (~25cm square, ~50 cm deep) will be placed a minimum of 50 m from any water source,

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.

Sump pit and latrine will be backfilled, vegetation (if any) restored.

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.)
xx Socio-Economic Environment (Archaeology, Land and Resources Use,
☐ Demographics, Social and Culture Patterns, etc.)
☐ Other: _____

Bibliographic resources consulted:

Dick, Lyle

2001 *Muskox Land: Ellesmere Island in the Age of Contact*. Calgary: University of Calgary Press.

Peary, Robert E.

1907 *Nearest the Pole*. New York: Doubleday, Page & Company.

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1910 *The North Pole: its discovery in 1909 under the auspices of the Peary Arctic Club*. New York: F.A. Stokes.

Phillips, Caroline

1981 High Arctic historical archaeology project: fifth season, 1980. *Research Bulletin*, Parks Canada. 165(July 1981):1-16.

Phillips Parmenter, Caroline

1978 Report of the second season of archaeological investigations of historical sites in the Canadian Arctic Archipelago. *Research Bulletin*, Parks Canada. 81(January, 1978):1-26.

Phillips Parmenter, Caroline and Margaret Burnip

1980 Historical Archaeology in the eastern High Arctic. *Research Bulletin*, Parks Canada. 137(August 1980):1-21.

Phillips Parmenter, Caroline, Margaret Burnip, and Robert Ferguson

1978 *Preliminary report of the second season (1977) of historical archaeological investigations in the High Arctic*. Ottawa: Parks Canada, Environment Canada.

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*
- ✓ NWSRTA – *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*