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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: _____Grant Gilchrist_____Licence No: _____
(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Environment Manager: Amie Black Tel: 613-998-8523 Fax: _613-998-0458 email: amie.black@ec.gc.ca_____

2. Project Manager Amie Black Tel: 613-998-8523 Fax: 613-998-0458 email: amie.black@ec.gc.ca____

3. Does the applicant hold the necessary property rights?
   Yes, we have a land use permit from the Qikiqtani Inuit Association.

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: __March 2011 – ongoing _
   X Multi Year:

   If Multi-Year indicate proposed schedule of on site activities
   Start:Jan-March annually, occasionally summer or fall work
   Completion:__ongoing_____

CAMP CLASSIFICATION

6. Type of Camp

   ☐ Mobile (self-propelled)
   ☐ Temporary
   X Seasonally Occupied: Jan-March, occasionally summer or fall_____
   ☐ Permanent
   ☐ Other:_____

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

The camp consists of a plywood cabin designed to accommodate up to 8 people. Average population is expected to be 4-5 people at a time.

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

We have used the site since 1999 to conduct biological surveys of eider ducks in the nearby polynyas. In 2009 we were give n permission by the local Inuit Association to build a cabin for protection against the elements and polar bears. Site use is generally every winter for 4-10 weeks, and occasionally in the summer for 4 weeks. Site occupancy is generally 4-5 people.

CAMP LOCATION

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

The cabin is located near a small pond (100 m), and also near Hudson Bay. It was placed on solid rock surrounded by sparse vegetation.

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 was selected due to its proximity to the polynyas at the south end of the archipelago. The Hunters and Trappers Association was consulted, and the decision was made based on their recommendations. Approval from the local Inuit Association was given in the form of a Land Use permit.

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: _Q09XN06, expires Feb. 2011, will be renewed_____

12. Closest Communities (direction and distance in km):
Sanikiluaq, located approximately 90 km to the NE.

13. Has the proponent notified and consulted the nearby communities and potentially interested parties about the proposed work?
Yes, we work closely with the Sanikiluaq HTA and they are aware of our activities. A letter of support is attached to our water license application.

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, we are a very small scale project, and do not anticipate any significant impacts on local waters or wildlife.

PURPOSE OF THE CAMP

15.
- ☐ Mining (includes exploration drilling)
- ☐ Tourism (hunting, fishing, wildlife observation, adventure/expedition, etc.) (Omit questions # 16 to 21)
- X 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: _____

DRILLING INFORMATION

18. Drilling Activities

- ☐ Land Based drilling
- ☐ Drilling on ice

19. Describe what will be done with drill cuttings?

20. Describe what will be done with drill water?

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.

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

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.

Included in the original application.

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

    1 spill kit is located at the cabin, near where fuel is stored.

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

We use gasoline (stored in either a 205 L drum or jerry cans), kerosene (stored in 3 x 20L jerry cans), and white gas (stored in 1 x 20L jerry cans). These materials are stored on a flat area away from water bodies, with a snow berm built around them.
MSDS included in the original application.

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

We will source our water from snow banks and ice in the winter and a nearby pond in the summer.

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

- [X] Domestic Use: 0.05 Water Source: _snow/ice/pond
- [ ] 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:

We gather most of our water from a snow bank or ice with a shovel, so there is no danger of trapping fish. In the summer we will use a small bucket, and if any fish are captured they will be released.

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 not be treated. If clean drinking water is not available we will transport clean water from Sanikiluaq.

31. Will water be stored on site?
No.

WASTE TREATMENT AND DISPOSAL

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

X Camp Sewage (blackwater)

_____Sewage from 3-5 people, approximately 2L/day. We will dispose of it in a bucket, and waste is transported to Sanikiluaq for disposal.

X Camp Greywater

_____Approximately 0.05m^3/day. We will dispose of it in sumps located >150 m from the high tide lineand not into freshwater. _____

X Solid Waste

_____< 10 lbs/day, to be disposed of in the municipal landfill in Sanikiluaq

☐ Bulky Items/Scrap Metal

☐ Waste Oil/Hazardous Waste

X Empty Barrels/Fuel Drums

_____We will have a few empty fuel drums or barrels, which will be transported back to Sanikiluaq and properly cleaned and dispose of.

☐ Other:

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33. Please describe incineration system if used on site. What types of wastes will be incinerated?
We incinerate a small amount of waste in a barrel on-site. We transport a small amount of non-combustible waste to the landfill in Sanikiluaq.

34. Where and how will non-combustible waste be disposed of? If in a municipality in Nunavut, has authorization been granted?
We dispose of waste in Sanikiluaq. We have not asked for authorization, as we deposit a very small amount of waste.

35. Describe location (relative to water bodies and camp facilities) dimensions and volume, and freeboard for all sumps (if applicable).
The sumps for waste water and sewage are located >150m above the high tide line. The wastewater sump is approximately 0.5mx0.5mx0.5 m. The sewage sump is approximately 1mx1mx0.5m.

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?
We are very low-tech. We use shovels and buckets, which work in all types of weather, and tend not to break.

ABANDONMENT AND RESTORATION

38. Provide a detailed description of progressive and final abandonment and restoration activities at the site.
When our project terminates in the future we will be giving our cabin to the Sanikiluaq HTA for their use. We will remove all debris and equipment that will not be of use to them from the site.

BASELINE DATA

39. Has or will any baseline information be collected as part of this project? Provide bibliography.
NO

- ☐ 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: _____

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