



P.O. Box 119
GJOA HAVEN, NU X0B 1J0
TEL: (867) 360-6338
FAX: (867) 360-6369

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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: CASP, University of Cambridge **Licence No:** _____
(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Environment Manager: Dr. Helen Smyth Tel: +44 1223 277586 Fax: +44 1223 276604 E-mail: helen.smyth@casp.cam.ac.uk
2. Project Manager: Dr. Robert Scott Tel: +44 1223 277586 Fax: +44 1223 276604 E-mail: robert.scott@casp.cam.ac.uk
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: _____
☒ Multi Year:

If Multi-Year indicate proposed schedule of on site activities

Start: 20th June 2009 Completion: 20th August 2011

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?
The basecamp will comprise of 5 or 6 small tents and one larger cooking tent. The average population would be 6 people
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.

The camps will be located close to the east end of Notch Lake in Wolf Valley, on the east side of the Sawtooth Range, Fosheim Peninsula, Ellesmere Island (see attached map).

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 camps were chosen as they are located close to sites of geological interest and are close to water sources.

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

<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):

Grise Fiord, southern Ellesmere Island is located 300 km to the southeast of the proposed field site.

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

Application made to NRI and letter sent to the Grise Fiord Community.

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?

N/A

PURPOSE OF THE CAMP

15. ☐ Mining (includes exploration drilling)
☐ Tourism (hunting, fishing, wildlife observation, adventure/expedition, etc.)
(Omit questions # 16 to 21)
☒ Other Geological Survey

16. Activities (check all applicable)

<input type="checkbox"/>	Preliminary site visit
<input type="checkbox"/>	Prospecting
<input checked="" 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: _____

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.

In accordance with the Consolidation Regulation R-068-93 Spill Contingency Planning And Reporting Regulations 1993, Spill Contingency Planning is not applicable to our project as we will not be taking or storing any toxic or environmentally damaging substances into the field. We will be carrying 60 litres of Kerosene in jerry cans (this is less than the 100 litre reporting quantity under schedule B of the act).

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

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

N/A

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

Streams close to the base camps

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

☒ Domestic Use: <0.5 m³ / day Water Source: Streams close to base camp
☐ 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:

Low impact collection of water from small tributaries for cooking and cleaning - no water intake required

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

N/A

30. Will drinking water be treated? How?

If necessary the water will be filtered, boiled or iodine treated.

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)

Burial away from water source

☒ Camp Greywater

Return downstream from each base camp. Only biodegradable non biological products will be used.

☐ Solid Waste

Either burnt if combustable and ashes returned to Resolute Bay or if noncombustable packed and returned to Resolute Bay.

☐ Bulky Items/Scrap Metal

Returned to Resolute Bay

☐ Waste Oil/Hazardous Waste

Returned to Resolute Bay

☐ Empty Barrels/Fuel Drums

Returned to Resolute Bay

☐ Other:

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

A pit will be lined with rocks and the material burnt in the pit. All ashes collected and pit infilled

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

Returned 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.

At the end of each 6 / 8 week field season (summer months June - August) the temporary camp will be dismantled and all materials returned to the Polar Continental Shelf Project (PCSP) storage facilities at Resolute Bay

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: _____

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