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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: Dr. Roy Alisauskas Licence No: _____
(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Environment Manager: as above Tel: 306 975-4556 Fax: 975-4089 E-mail: roy.alisauskas@ec.gc.ca
2. Project Manager: as above Tel: 306 975-4556 Fax: 975 4089 E-mail: roy.alisauskas@ec.gc.ca
3. Does the applicant hold the necessary property rights?
yes, transfer from INAC to Dept. of Environment
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
☒ Multi Year:

Start and completion dates: ongoing

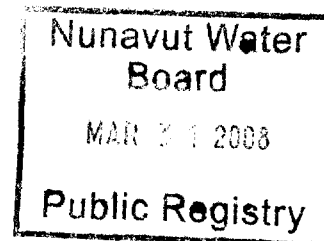
If Multi-Year indicate proposed schedule of on site activities

Start: 1991 Completion: ongoing

CAMP CLASSIFICATION

6. Type of Camp

- ☐ Mobile (self-propelled)
☐ Temporary
☒ Seasonally Occupied: May 1 to August 31
☐ Permanent
☐ Other: _____



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

Design can accommodate 20, maximum is 15, average is ~8.

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

Has been used annually for summer research project from 1991 to present by an average of ~10 people from May to August.

CAMP LOCATION

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

Camp is located on a bedrock outcrop, approx. 50m from a lake.

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 was selected for its location (high and dry), site was not used previously. RIA was not consulted.

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

<input checked="" type="checkbox"/>	Crown Lands	Permit Number (s)/Expiry Date: 66 N-1-1-1, being transferred
<input type="checkbox"/>	Commissioners Lands	Permit Number (s)/Expiry Date: _____ to Dept of
<input type="checkbox"/>	Inuit Owned Lands	Permit Number (s)/Expiry Date: _____ Environment

12. Closest Communities (direction and distance in km):

Cambridge Bay 280km NW

Gjoa Haven 250 km NE

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

Both Cambridge Bay and Gjoa Haven are aware of the camp.

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?

Project will not impact communities, and will only have a minimal influence on fish + wildlife habitat.

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)

n/a
☐ 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):

- n/a
- ☐ Lead Zinc
 - ☐ Diamond
 - ☐ Gold
 - ☐ Uranium
 - ☐ Other: _____

DRILLING INFORMATION

18. Drilling Activities

- n/d
- ☐ 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.

see attached

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

one, located at fuel cache

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

→ jet B aviation fuel 50 x 200L steel drums
→ gasoline 10 x 200L drums
→ propane 5 x 100L pressure tanks/bottles
→ white gas 1 x 200L steel drums

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

The water source is a lake located appx. 50m from camp site.

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

<input type="checkbox"/>	Domestic Use: <u>0.25 m³/day</u>	Water Source: <u>lake</u>
<input type="checkbox"/>	Drilling: <u>n/d</u>	Water Source: <u>—</u>
<input type="checkbox"/>	Other: <u>n/d</u>	Water Source: <u>—</u>

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:

yes, the screen is appx. 5mm diameter.

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

No

30. Will drinking water be treated? How?

Yes, with bleach at a rate of 15mL per L of water (4-6% Cl₂)

31. Will water be stored on site?

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Yes, stored in a 135 gal (550L)

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tank to feed a gravity tap and to facilitate treatment.

WASTE TREATMENT AND DISPOSAL

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

☒ Camp Sewage (blackwater)

untreated, 0.1 m^3 per day, buried 100m+ away from surface water

☒ Camp Greywater

untreated, 0.25 m^3 per day, leached 100m+ away from surface water

☒ Solid Waste

burned, 0.1 m^3 per day, ashes buried 100m+ away from surface water

☒ Bulky Items/Scrap Metal

flown out to Cambridge Bay landfill, 0.1 m^3 /day

☒ Waste Oil/Hazardous Waste

flown out to CB, 0.1 m^3 /day

☒ Empty Barrels/Fuel Drums

flown out to CB, 50 barrels/year

☐ Other:

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

burning barrel, only paper and plastics burned

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

Disposed of in Cambridge Bay at landfill (unless hazardous), no authorization from municipality to date.

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

n/d

36. Will leachate monitoring be done? What parameters will be sampled and analyzed, and at what frequency?

n/d

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?

contamination of the local groundwater and surface water could potentially happen. Treatment of drinking water should mitigate this.

ABANDONMENT AND RESTORATION

38. Provide a detailed description of progressive and final abandonment and restoration activities at the site.

Waste Burial sites are levelled / landscaped and marked with rock rings and cairns. Solid non-burnable waste is continually removed (flown out) from 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