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NUNAVUT WATER BOARD  
NUNAVUT IMALIRIYIN KATIMAYINGI  
OFFICE DES EAUX DU NUNAVUT

## EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: Environment Canada Licence No: \_\_\_\_\_  
(For NWB Use Only)

### ADMINISTRATIVE INFORMATION

1. Environment Manager:

**Property Management : Carl Carroll Tel: (613) 990-8376 Fax: (613) 949-9017**

**E-mail: carl.carroll@ec.gc.ca**

2. Project Manager:

**Station Managers: John MacIver/Al Gaudet/Rai Le Cotey**

**Tel: (204) 984-6376 Ext 4460 E-mail: EurekaWxStn@EC.GC.CA**

3. Does the applicant hold the necessary property rights? **Yes**

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: \_\_\_\_\_  
☒ Multi Year:

If Multi-Year indicate proposed schedule of on site activities

Start: **Currently in Operation**      Completion: **Unknown**

### CAMP CLASSIFICATION

6. Type of Camp

☐ Mobile (self-propelled)  
☐ Temporary  
☐ Seasonally Occupied: \_\_\_\_\_  
☐ Permanent  
☒ Other: **Weather Station**

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

**Between 8 to 40 persons (varies according to season)**

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

**See PowerPoint slide #3 : Eureka EC DND Shared Facilities Rev 2.ppt**

## **CAMP LOCATION**

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

**See PowerPoint Slide #4 : Eureka EC DND Shared Facilities Rev 2.ppt**

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.

**See PowerPoint Slide #3 : Eureka EC DND Shared Facilities Rev 2.ppt**

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

<input checked="" type="checkbox"/> Crown Lands	Permit Number (s)/Expiry Date:
<b><u>INAC Land use permit #1021</u></b>	
<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 located approximately 400km Southern direction from Eureka**

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

14. Will the project have impacts on traditional water use areas used by the nearby communities?  
**No**

15. Will the project have impacts on local fish and wildlife habitats?  
**No**

## **PURPOSE OF THE CAMP**

16. ☐ Mining (includes exploration drilling)  
☐ Tourism (hunting, fishing, wildlife observation, adventure/expedition, etc.)  
(Omit questions # 16 to 21)  
☒ Other **Weather Station** \_\_\_\_\_

17. 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: **Environmental Data Gathering**\_\_\_\_\_

18. Type of deposit (exploration focus): **N/A**

- ☐ Lead Zinc
- ☐ Diamond
- ☐ Gold
- ☐ Uranium
- ☐ Other: \_\_\_\_\_

**DRILLING INFORMATION**

19. Drilling Activities **N/A**

- ☐ Land Based drilling
- ☐ Drilling on ice

20. Describe what will be done with drill cuttings?  
**N/A**

21. Describe what will be done with drill water?  
**N/A**

22. 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**

23. Will any core testing be done on site? Describe.  
**N/A**

**SPILL CONTINGENCY PLANNING**

24. 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.

**[FINAL EUREKA EMERGENCY PLAN MARCH 2010 Rev 1.pdf](#)**

25. How many spill kits will be on site and where will they be located?  
**2 kits. See Figure 7 page 29 for location: [FINAL EUREKA EMERGENCY PLAN MARCH 2010 Rev 1.pdf](#)**

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

**See section 3 and appendices C & D : [FINAL EUREKA EMERGENCY PLAN MARCH 2010 Rev 1.pdf](#)**

**See section 4.5.5: [O&M Procedures FINAL \(EN\) rev4.pdf](#)**

## **WATER SUPPLY AND TREATMENT**

27. Describe the location of water sources.

**See section 2: [O&M Procedures FINAL \(EN\) rev4.pdf](#)**

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

- ☒ Domestic Use: **Approx. 0.30 m3/day/person** Water Source: **Station Creek**  
☐ Drilling: \_\_\_\_\_ Water Source: \_\_\_\_\_  
☐ Other: \_\_\_\_\_ Water Source: \_\_\_\_\_

29. 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:

**See section 2: [O&M Procedures FINAL \(EN\) rev4.pdf](#)**

**Yes, a mesh screen is on the sump pump used.**

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

**See section 2 pages 3 and 4: [O&M Procedures FINAL \(EN\) rev4.pdf](#)**

31. Will drinking water be treated? How?

**See section 2: [O&M Procedures FINAL \(EN\) rev4.pdf](#)**

32. Will water be stored on site?

**See section 2:O&M Procedures FINAL (EN) rev4.pdf**

## **WASTE TREATMENT AND DISPOSAL**

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

☒ Camp Sewage (blackwater) **See section 3:O&M Procedures FINAL (EN) rev4.pdf**

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☒ Camp Greywater **See section 3:O&M Procedures FINAL (EN) rev4.pdf**

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☒ Solid Waste **See section 4:O&M Procedures FINAL (EN) rev4.pdf**

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☒ Bulky Items/Scrap Metal **See section 4:O&M Procedures FINAL (EN) rev4.pdf**

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☒ Waste Oil/Hazardous Waste **See section 4:O&M Procedures FINAL (EN) rev4.pdf**

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☒ Empty Barrels/Fuel Drums **See section 4:O&M Procedures FINAL (EN) rev4.pdf**

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☒ Other: **See section 4:O&M Procedures FINAL (EN) rev4.pdf**

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34. Please describe incineration system if used on site. What types of wastes will be incinerated?  
**See Incinerator Manual:Incinerator Manual-prelim v1-with appendix.pdf**  
**See section 4.5.1:O&M Procedures FINAL (EN) rev4.pdf**

35. Where and how will non-combustible waste be disposed of? If in a municipality in Nunavut, has authorization been granted?  
**See section 4:O&M Procedures FINAL (EN) rev4.pdf**

36. Describe location (relative to water bodies and camp facilities) dimensions and volume, and freeboard for all sumps (if applicable).  
See section 4:O&M Procedures FINAL (EN) rev4.pdf  
See:Eureka Systems and Storage Locations Appendix 3.pdf
37. Will leachate monitoring be done? What parameters will be sampled and analyzed, and at what frequency?  
See section 4.4.1:O&M Procedures FINAL (EN) rev4.pdf

## OPERATION AND MAINTENANCE

38. 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?  
See :O&M Procedures FINAL (EN) rev4.pdf  
See : ABANDONMENT RESTORATION December 2010 .pdf

## ABANDONMENT AND RESTORATION

39. Provide a detailed description of progressive and final abandonment and restoration activities at the site.  
See : ABANDONMENT RESTORATION December 2010 .pdf

## BASELINE DATA

40. Has or will any baseline information be collected as part of this project? Provide bibliography.
- ☒ Physical Environment (Landscape and Terrain, Air, Water, etc.)  
See: Eureka Phase IIIA ESA Final.doc.pdf
  - ☒ Biological Environment (Vegetation, Wildlife, Birds, Fish and Other Aquatic Organisms, etc.) See: Eureka Phase IIIA ESA Final.doc.pdf
  - ☐ Socio-Economic Environment (Archaeology, Land and Resources Use,
  - ☐ Demographics, Social and Culture Patterns, etc.)
  - ☐ Other: \_\_\_\_\_

## REGULATORY INFORMATION

41. 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*