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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: _____Forum Energy Metals Corp._Licence No: _____
(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Environment Manager: _____Tel: _____ Fax: _____E-mail:_____

2. Project Manager: **Rebecca Hunter** Tel: 306-371-0020 E-mail: **rebecca.hunter@mac.com**

3. Does the applicant hold the necessary property rights?

   The proposed new camp is located on mineral claims 102755 and 102775 on crown land. The necessary permits and authorizations have been applied for (KIA, CIRNAC, NIRB, NPC).

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: _____
   X Multi Year:

   If Multi-Year indicate proposed schedule of on site activities
   Start: **March 2023** Completion: **March 2028 (renewal afterwards if required)**

CAMP CLASSIFICATION

6. Type of Camp

   ☐ Mobile (self-propelled)
   ☐ Temporary
   X Seasonally Occupied: March to October
   ☐ Permanent

☐ Other:_____

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

The new camp will be designed for up to 50 people but the average occupancy will be for 20-30 people.

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

The proposed camp has not been used by exploration companies in the past. An archaeological study will be conducted on the campsite area in late August 2022 to determine if the area hosts any archaeological sites.

CAMP LOCATION

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

The proposed campsite is located approximately 7.5 km south of the southern arm of Aberdeen Lake as shown on attached maps. The area consists of a few, 100-500 m long raised benches of sandy to gravelly material and one of the larger benches is the proposed campsite. It is located near a few smaller benches that could host a fuel tank farm and the camp is located less than 500 m from a suitable natural tundra airstrip to accommodate fixed-wing air support (~400 m long). The proposed site <1 km from a few surface water lakes that can serve as the camp's water source.

See maps and photos attached to General Application.

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 is centrally located within Forum's new claim area and is relatively flat lying and well drained with a large area for a camp and fuel farm. It is near a few good sources

of water (small lakes) and is less than 500 m away from a suitable tundra airstrip. The area has not been used in the past as a campsite by previous exploration companies. An archaeological survey on the proposed camp area will be completed in late August to determine if there are any historical archaeological sites. The site was selected by project staff based on satellite imagery and ground examination. The proposed site was discussed during our community consultation meetings in June 2022

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

X Crown Lands Permit Number (s)/Expiry Date: **applied for (May 2022)**
☐ Commissioners Lands Permit Number (s)/Expiry Date: _____
☐ Inuit Owned Lands Permit Number (s)/Expiry Date: **applied for (May 2022)**

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

The camp is located 100 km west of Baker Lake.

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

Yes, see Consultation Log attached to General 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?

The proposed campsite is ~7.5 km south of the southwest arm of Aberdeen Lake so Baker Lake community members and tourists will observe or be impacted by the new camp activities. The only exception is they may hear distant helicopter noise on a limited basis.

There will be temporary noise-related impacts to wildlife in the area from the camp, drills and helicopter. As for fish, sumps will be used and drill fluids will be recirculated, when possible, to minimize water usage and collect suspended sediments. Water intakes will be screened to avoid the intake of aquatic life such as fish.

PURPOSE OF THE CAMP

15. X Mining (includes exploration drilling)
☐ Tourism (hunting, fishing, wildlife observation, adventure/expedition, etc.)

(Omit questions # 16 to 21)

☐ Other _____

16. Activities (check all applicable)

☐ Preliminary site visit
X Prospecting
X Geological mapping
X Geophysical survey
X Diamond drilling
☐ Reverse circulation drilling
☐ Evaluation Drilling/Bulk Sampling (also complete separate questionnaire)
X Other: __Wildlife monitoring and archaeological surveys_____

17. Type of deposit (exploration focus):

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

DRILLING INFORMATION

18. Drilling Activities

X Land Based drilling
X Drilling on ice

19. Describe what will be done with drill cuttings?

Non-radioactive drill cuttings will be confined to sumps or natural depressions near the drill sites upon completion of the drill hole. If significant radioactivity is intersected, cuttings will be collected with a sediment separator and put either into large fabric bags or steel drums and stored at a radioactive core storage site until removed and disposed of at an approved site.

20. Describe what will be done with drill water?

Drill water will be reused for drilling when possible and after the cuttings are removed, the water will be allowed to drain into a sump or natural depression

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.

See Waste Management Plan provided with General Application and MSDS sheets.

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

Non-destructive physical property tests (colour, reflectance spectral analysis, magnetic susceptibility, and scintillometer readings) will be done on site.

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 Spill Plan attached to General Application

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

See Spill Plan attached to General Application

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

Attached with General Application.

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

There are a few, 150x200 m area lakes within 500 m of the proposed camp site as well as a deeper lake < 1 km to the north that could be used if the closer ones freeze to the bottom during the winter. Water for drilling will be taken from the numerous nearby lakes. Exact drill sites have not been selected at this time but when they are the locations used for water will be submitted.

See map attached to General Application

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

X	**Domestic Use: 5 (3)/day**	**Water Source: local nearby**
X	**Drilling: 294 m (3)/day**	**Water Source: local nearby**
☐	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:

Water is pumped from the lake using a gas- or generator-powered pump from nearby water source, with mesh screen fixed to the end to avoid fish and debris entrapment. The lake bottoms consist of coarse sand and gravel.

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

An initial set of test (6-10) to establish a baseline will be followed by tests once a week. The test kit used will be collect parameters such as bacteria, nitrite, nitrates, and pH.

30. Will drinking water be treated? How?

The drinking water is filtered 3 times and treated once. Initially, the water is filtered through a 10 micron sediment filter before storage in the large tank. Water is then pumped into a small storage tank and filtered through another 10 micron sediment filter, a 10 micron charcoal filter, and lastly, treated by ultraviolet light.

31. Will water be stored on site?

Yes, water is stored both within a ~1,000 gallon (~4,500 litre) fiberglass tank, and a smaller ~250 gallon (~1,125 litre) plastic tank both housed within buildings.

WASTE TREATMENT AND DISPOSAL

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

X Camp Sewage (blackwater)

_____**See attached Waste Management Plan to General Application.**_____

X Camp Greywater

_____**See attached Waste Management Plan to General Application.** _____

X Solid Waste

See attached Waste Management Plan to General Applicationn.

X Bulky Items/Scrap Metal

See attached Waste Management Plan to _General Application.

X Waste Oil/Hazardous Waste

See attached Waste Management Plan to General Application.

X **Empty Barrels/Fuel Drums**

See attached Waste Management Plan to General Application.

_____

☐ Other:

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

See attached Waste Management Plan to General Application.

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

See Waste Management Plan attached to General Application.

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

Sumps will be located directly outside the footprint of structures having drains (kitchen and wash). Sumps will be cribbed with clean perforated steel drums (sides and bottoms) approximately 60 cm in diameter and 90 cm deep. The top will be screened with expanded metal (steel and/or aluminum). Volume will be approximately 200 liters. Freeboard estimated to be a minimum of 30 cm at maximum discharge. All located at a minimum of 31 m from the normal high mark of any water body.

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?

Yes, methods have been used typically in exploration camps in the Arctic. Contingency plans in place include the use of spare supply lines, pumps, portable heaters, and the scaling down of water usage.

ABANDONMENT AND RESTORATION

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

See Abandonment and Reclamation Plan provided with General Application.

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

No baseline studies have been completed yet by Forum, however an archaeological survey will be conducted in late August 2022 over the proposed campsite and several of the main drill target areas.

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