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NUNAVUT WATER BOARD
NUNAVUT MAURIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: Nuna M&T Services Ltd. **Licence No:** _____
(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Environment Manager: Neil Thompson Tel: 780-434-9114 Fax: 780-434-7758
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2. Project Manager: Len McHale Tel: 780-434-9114 Fax: 780-434-7758
E-mail: lenm@nunalogistics.com

3. Does the applicant hold the necessary property rights? NO – land Use Application submitted June 25/06 – pending.

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. Nuna M&T Services is under contract to construct the proposed Tehek Lake access road for Cumberland Resources Ltd.

5. Duration of the Project

   X One year or less Start and completion dates: est. June 30/06 to Dec. 31/07
   ☐ Multi Year:

   If Multi-Year indicate proposed schedule of on site activities
   Start: _____ Completion:_____

CAMP CLASSIFICATION

6. Type of Camp

   ☐ Mobile (self-propelled)
   X Temporary
   ☐ Seasonally Occupied: _____
   ☐ Permanent
   ☐ Other:_____

7. What is the design, maximum and expected average population of the camp? Camp is designed for a maximum 60 persons. These are 12' x 60' skid mounted, mobile trailers.

8. Provide history of the site if it has been used in the past. The site is remote with no access other than the new road construction. Site has not been used in the past.

CAMP LOCATION

9. Please describe proposed camp location in relation to biogeographical and geomorphological features, and water bodies. The proposed construction camp will be located approximately km 47 on the Tehek lake road and the north east side of an unnamed lake and a small creek south of the camp.

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. Located on Tehek Lake road alignment right-of-way and would provide a good area that can be leveled to accommodate the camp facility with minimal impact as it is an esker with no vegetation and can easily be restored to original ground. *Maps and Aerials attached.*

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

X	Crown Lands	Permit Number (s)/Expiry Date: Permit Pending
☐	Commissioners Lands	Permit Number (s)/Expiry Date: _____
☐	Inuit Owned Lands	Permit Number (s)/Expiry Date: _____

12. Closest Communities (direction and distance in km): The closest community is the Hamlet of Baker Lake, NU. The camp is located 47km due north of the Hamlet.

13. Has the proponent notified and consulted the nearby communities and potentially interested parties about the proposed work? YES – the Hamlet of Baker Lake – the Mayor, Councilors, and Elders have been consulted.

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? There is no anticipated impact on traditional water use areas or local fish and wildlife habitats.

PURPOSE OF THE CAMP

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

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/A

- ☐ 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. *See attached.*

24. How many spill kits will be on site and where will they be located? There will be 4 large kits at the described location as well as smaller support equipment capable of containing any potential spills.

25. Please describe the types, quantities, and method of storage of fuel and chemicals on site, and provide MSDS sheets. Fuel Storage - there will a small amount of fuel stored at the site to service the camp generators – one 1250 liter and one 1350 liter tanks to feed the main camp

generator and the other to service the back-up camp generator. Both tanks are enviro-tanks with secondary containment. There will be no mass bulk fuel storage at this location. *MSDS attached.*

Oil Storage - there minimal oil storage at the site – our plan is to have a small covered shop where in we will have a maximum of 3x1000 liter cubes (total 3000 liters) inside so it is easily accessible and will flow better in the warmer environment. Oil will be supplied on an as-needed basis. Cubes are constructed of steel – some are constructed of plastic protected by a steel frame for rugged handling. *MSDS attached.*

Glycol Storage – there will be 1 x 1000 liter cube of glycol - same storage and methodology as the oil storage. All cubes are of rugged design to withstand the stresses of multiple uses. *MSDS attached.*

Petrosol – for washing parts. There will be 1 x 205 liter drum on site at any given time. Re-supply on an as needed basis. *MSDS attached.*

Molly Arctic - (grease lubricant) there will be 1 x 205 liter drum on site at any given time – re-supply on an as needed basis. *MSDS attached.*

Methyl Hydrate – there will be one 205 liter drum on site at any given time – re-supply on an as needed basis. *MSDS attached.*

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources. Water source will be hauled from the hamlet of Baker Lake.

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

Domestic Use: 10m3/day Water Source: ☐
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: N/A

29. Will drinking water quality be monitored? What parameters will be analyzed and at what frequency? The potable water will be tested once per week and analyzed as per the *Guidelines for Canadian Drinking Water Quality.*

30. Will drinking water be treated? How? The drinking water will be treated with a chlorination injection system.

31. Will water be stored on site? The camp facility will consist of a trailer that houses water storage containers with a capacity of 45,000 liters – this is the requirement based on the size of the camp to satisfy the Fire Marshal with respect to the volume of water required to feed hose stations throughout camp in the event of a fire.

WASTE TREATMENT AND DISPOSAL

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

☐ **Camp Sewage (blackwater)** –1500 liters per day of sludge that will be hauled to the Hamlet of Baker Lake approved lagoon site.

☐ **Camp Greywater** –5800 liters per day – disposal same as above.

☐ **Solid Waste** – Solid waste, depending on the nature, will be disposed of in the Hamlet Landfill site. Solids that are not acceptable for landfill will be hauled off site and disposed of at an approved facility. Estimated – 8,000 kgs.

☐ **Bulky Items/Scrap Metal** – haul to Hamlet landfill and/or remove from site to an approved facility. Estimated – 5000 kgs.

☐ **Waste Oil/Hazardous Waste** – stored in approved containers and removed from site to approved disposal facility.

☐ **Empty Barrels/Fuel Drums** – removed form site for refund and/or disposal at an approved facility.

☐ Other:

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33. **Please describe incineration system if used on site. What types of wastes will be incinerated?** Only domestic wastes (food waste) will be disposed of in the incinerator – Dual Burner Model #2020 with a capacity of 0.6 m3n or 64 kgs./hour. Spec. sheet attached.

34. **Where and how will non-combustible waste be disposed of? If in a municipality in Nunavut, has authorization been granted?** YES – non-combustible wastes may be disposed of in the approved landfill – Hamlet of Baker Lake.

35. **Describe location (relative to water bodies and camp facilities) dimensions and volume, and freeboard for all sumps (if applicable).** We propose to have a small sump capable of hold 14000 liters (approx. 2 days) of black/grey water as a precautionary measure in the event that inclement weather prevents road passage to the Hamlet lagoon. This would be adjacent to the camp facilities and approximately 200-250 meters from the unnamed lake as mentioned.

36. Will leachate monitoring be done? What parameters will be sampled and analyzed, and at what frequency? NO – there are no plans for leachate monitoring due to the nature of the land use.

OPERATION AND MAINTENANCE

37. Have the water supply and waste treatment and disposal methods been used and proven in cold climate? YES. What known O&M problems may occur? Potential for water lines and sewage lines and tank to freeze. Potential for sewage tank to fill to capacity if inclement weather does not allow tank to be emptied by hauling to community sewage lagoon. What contingency plans are in place? All water and sewage lines are heat traced. The sewage tank is insulated and heated. Domestic water will be obtained by hauling from the community of Baker Lake. Construct a small sump capable of holding approx. 2 days volume of black/grey waste in case sewage tank becomes full and cannot be emptied.

ABANDONMENT AND RESTORATION

38. Provide a detailed description of progressive and final abandonment and restoration activities at the site. Topographic elevations will be surveyed prior to leveling of the area. All structures, materials and waste products will be removed from the site. The leveled esker material will be restored to the original contour.

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