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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: North Arrow Minerals Inc. **Licence No:** _____
(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Environment Manager: Gordon Clarke Tel: (604) 668-8355 Fax: (604) 668-8366 E-mail: gord@northarrowminerals.com

2. Project Manager: Gordon Clarke Tel: (604) 668-8355 Fax: (604) 668-8366 E-mail: gord@northarrowminerals.com

3. Does the applicant hold the necessary property rights?

   Yes. Project area subject to Canada Mining Regulations or a combination of Canada Mining Regulations and Kitikmeot Inuit Association Inuit-Owned Land-held surface rights.

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: 15Aug 2009 to 14 Aug 2014
   X Multi Year:

   If Multi-Year indicate proposed schedule of on site activities
   Start: At various times per calendar year Completion: At various times per calendar year

CAMP CLASSIFICATION

6. Type of Camp

   ☐ Mobile (self-propelled)
   ☐ Temporary
   X Seasonally Occupied: Only during active exploration periods
   ☐ Permanent
   ☐ Other:_____

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

If constructed, the camp will house between 4 to 16 personnel. Average would be 8.

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.

Camp location is situated between Kunes and Torp Lake on map sheet 76N/5. Camp will be located on a combination or rock outcrop and overburden.

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 located by selecting a lake large enough to support float plane access and was also in practical proximity to the work area (see Appendix I).

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

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

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

Kugluktuk is located 245 km to the west-northwest, Bathurst Inlet is located 86 km to the southeast and Cambridge Bay is located 270 km to the northeast.

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

Since the communities are remote from the proposed operation and the project is a grass roots exploration project, the aforementioned communities have not yet 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?

No significant impacts.

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)
- ☐ Other: _____

17. Type of deposit (exploration focus):

- ☐ Lead Zinc
- ☐ Diamond
- ☐ Gold
- ☐ Uranium
- X Other: Lithium

DRILLING INFORMATION

18. Drilling Activities

- X Land Based drilling
- ☐ Drilling on ice

19. Describe what will be done with drill cuttings?

All land based drill cuttings will be located in a natural sump that will be located a minimum of 31 meters from the normal high water mark of any water body.

20. Describe what will be done with drill water?

The drill will be accompanied by a "Poly Drill" or similar filtration system to treat return water where applicable.

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 attached Spill Plan.

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

No testing 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 Appendix II (Spill Plan).

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

Three kits located at the camp, fuel cache and at drilling site.

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

See Appendix II (Spill Plan).

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

If a camp is constructed the water source will be Torp Lake adjacent to the camp location.

Sources for drilling water will depend upon final target selection. Historical work by the Geological Survey of Canada indicates the presence of mineralized lithium rich pegmatites located southeast of McAvoy Lake so it is expected that McAvoy Lake will be used as a water source for drilling. Specific locations will depend upon initial work results and target selection.

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

X Domestic Use: 2 Water Source: See above.

X Drilling: 52.8 Water Source: See above.

☐ 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:

The water intake valve will be operated with the appropriate mesh screen in place as per *DFO 1995, Freshwater Intake End-of-Pipe Fish Screen Guideline*.

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

No.

30. Will drinking water be treated? How?

No.

31. Will water be stored on site?

No.

WASTE TREATMENT AND DISPOSAL

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

X Camp Sewage (blackwater)

Stored in a sump located at least thirty (30) metres above the ordinary high water mark of any water body, that will be backfilled upon completion of program or backhauled for disposal in Yellowknife. Latrine pits will be treated with lime and covered with native material to achieve the pre-existing contours of the land prior to abandonment.

X Camp Greywater

Stored in a natural sump located at least thirty (30) metres above the ordinary high water mark of any water body.

X Solid Waste

Appropriate combustible waste (paper, paperboard packaging, untreated wood) will be incinerated daily in a burn barrel/incinerator or backhauled to Yellowknife. The resulting ash will be bagged and backhauled to Yellowknife for proper disposal. Inappropriate combustible and non-combustible waste will be regularly backhauled to Yellowknife for proper disposal.

X Bulky Items/Scrap Metal

Non-combustible waste will be regularly backhauled to Yellowknife for proper disposal on an ongoing basis.

X Waste Oil/Hazardous Waste

Waste oil will be collected and sealed in clearly marked 205 litre drums and backhauled for proper disposal at an approved site in Yellowknife. Lead-acid batteries will also be contained in appropriate sealed containers, clearly marked, and transported to Yellowknife for disposal at an approved site. All other hazardous waste will be handled as per MSDS sheets and backhauled to Yellowknife for proper disposal on an ongoing basis.

X Empty Barrels/Fuel Drums

Returned to Yellowknife for disposal or refund on an ongoing basis.

☐ Other:

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

A dual air-chamber incinerator will be utilized at site. Only non hazardous wastes will be incinerated and include paper products, paperboard packaging and untreated wood wastes.

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

Non-combustible waste will be backhauled to Yellowknife on an ongoing basis.

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

See section 26.

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

No. None.

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. None known. None.

ABANDONMENT AND RESTORATION

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

See attached Abandonment and Restoration Plan.

BASELINE DATA

39. Has or will any baseline information be collected as part of this project? Provide bibliography.

No structured baseline studies will be initiated at this time. Wildlife sightings will be recorded on a daily basis.

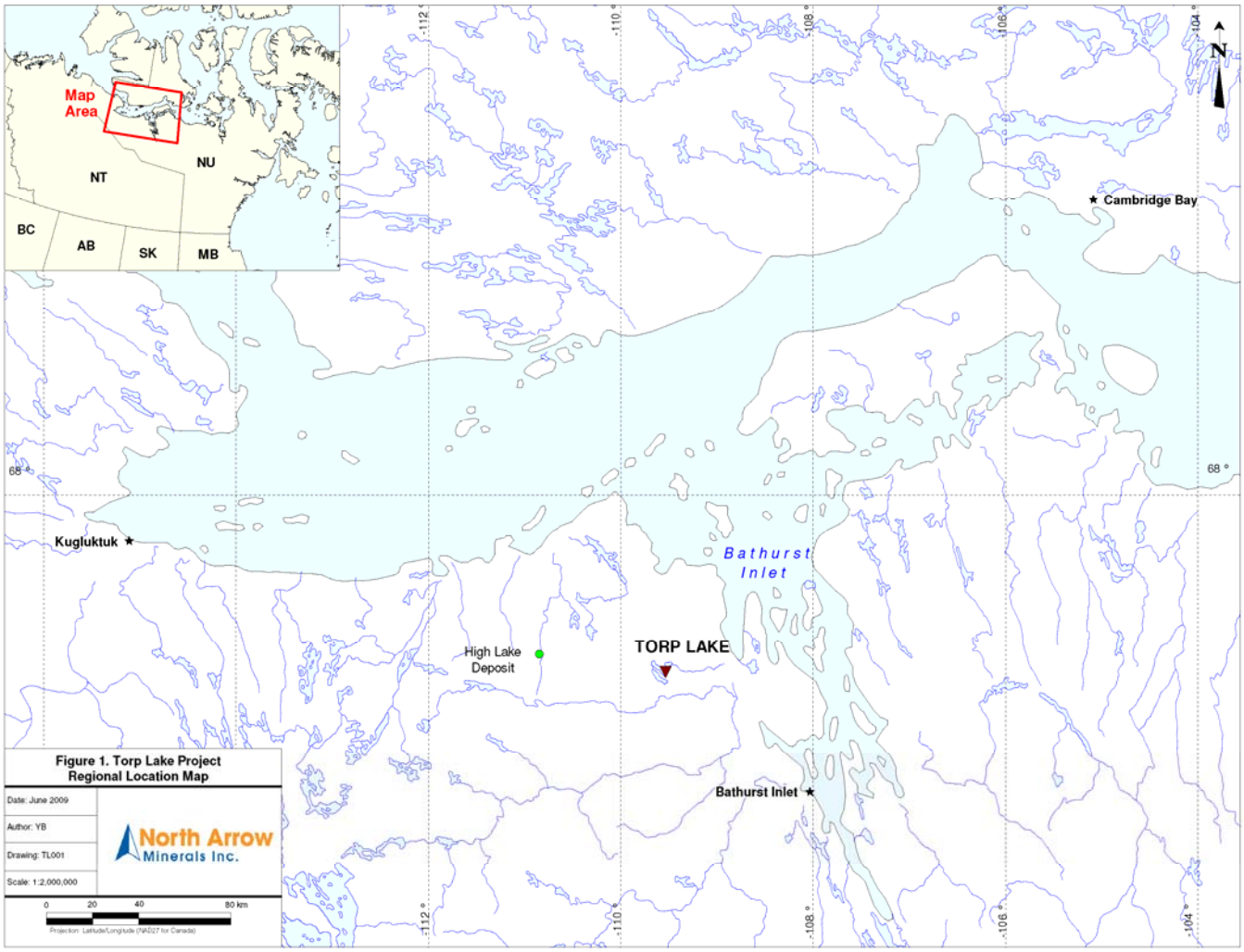
- ☐ Physical Environment (Landscape and Terrain, Air, Water, etc.)
- ☐ Biological Environment (Vegetation, Wildlife, Birds, Fish and Other Aquatic Organisms, etc.)
- ☐ Socio-Economic Environment (Archaeology, Land and Resources Use,
- ☐ Demographics, Social and Culture Patterns, etc.)
- ☐ Other: _____

REGULATORY INFORMATION

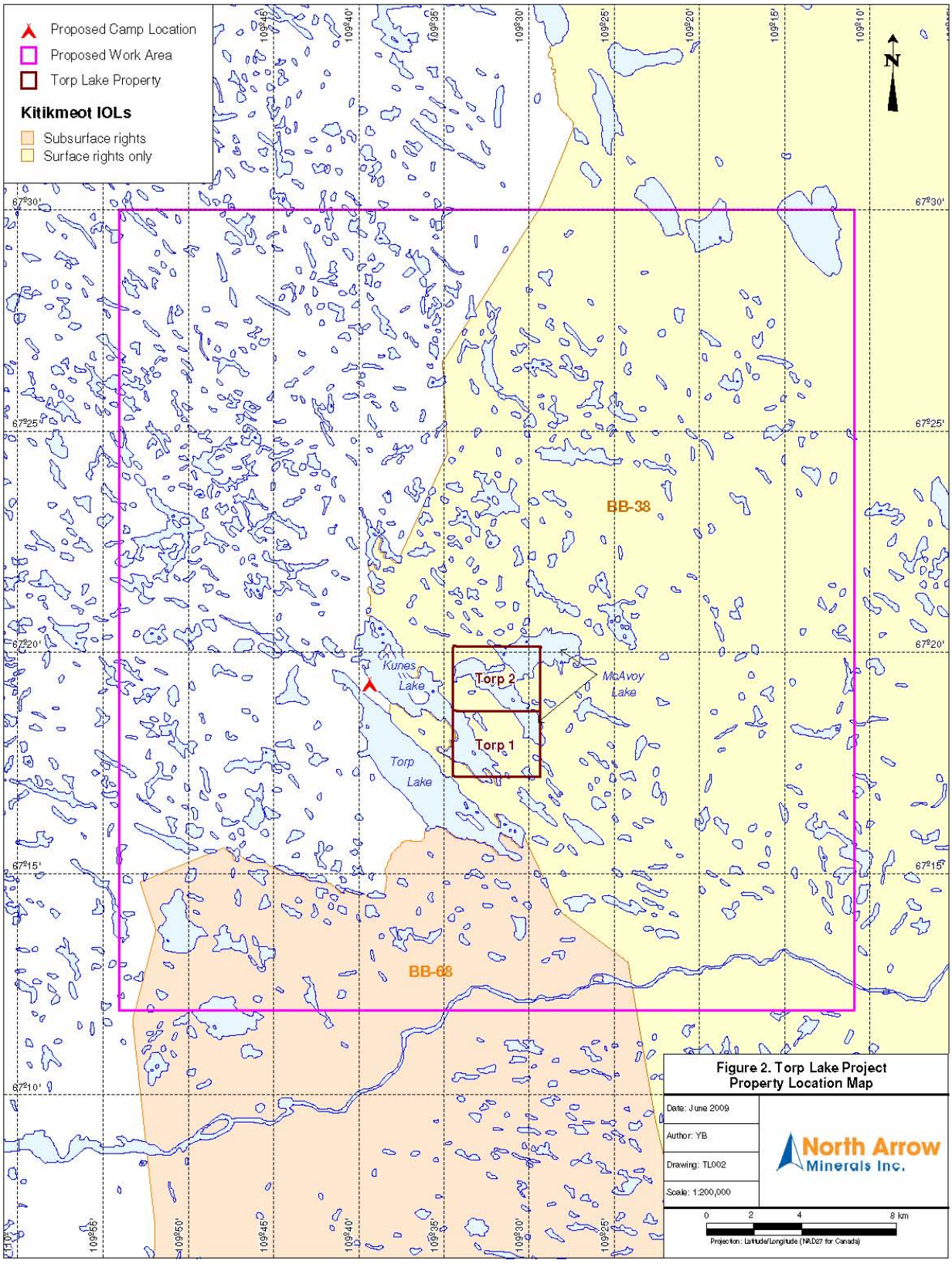
40. At a minimum, you should ensure you have a copy of and consult the documents below for compliance with existing regulatory requirements:

- ✓ 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

REGIONAL AND PROJECT AREA MAPS



MAP 1: Regional Location Map



MAP 2: Project Area and Proposed Camp Location