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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

EXPLORATION/ REMOTE CAMP
SUPPLEMENTARY QUESTIONNAIRE

Applicant: Uravan Minerals Inc._____Licence No: _____
(For NWB Use Only)

ADMINISTRATIVE INFORMATION

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

2. Project Manager:___Ian Fraser_____Tel: (403) 264-2630 Fax: (403) 264-2629
E-mail: ifraser@uravanminerals.com

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.

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: _July 2008_____ Completion: __October 2013_____

CAMP CLASSIFICATION

6. Type of Camp

   ☐ Mobile (self-propelled)
   ☐ Temporary
   X Seasonally Occupied: Note; Uravan anticipates a mobile component to the camp to facilitate winter diamond drilling
   ☐ Permanent
   ☐ Other:_____

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

   Tent camp, designed to accommodate up to 20 people; however, Uravan anticipates an average camp population of 9 – 16 people. See Land Use Application for more detail.

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

Uravan conducted a heli-borne geophysical survey from this camp location during the spring of 2007.

CAMP LOCATION

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

The camp will be located on the west side of an unnamed lake at 65° 33' 29" N / 100° 04' 14" W and will utilize a plateau as the camp site and landing area (wheeled aircraft in the summer time) A north trending esker, north of the plateau is also the a possible landing strip. The camp itself will be >30m from the west shore of the large unnamed lake. (See figures in Land Use 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.

No help was sought when this camp location was selected. Uravan wanted a central location to its landholdings, and worked with a local expediter to determine the final camp location. A location that was elevated, was accessible by aircraft (summer and winter seasons) and had a good supply of water were the determining factors in this camp location. This camp location was previously used last May – July 2007. Four tent floors remain at the location.

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

X	Crown Lands	Permit Number (s)/Expiry Date: Permit application submitted, January 2008
☐	Commissioners Lands	Permit Number (s)/Expiry Date: _____
X	Inuit Owned Lands	Permit Number (s)/Expiry Date: Permit application submitted, January 2008

Comment [u1]: Check on status

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

Baker Lake, NU – 245 km, SE

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

Yes, community consultation was initiated in 2007 (see consultation record **Schedule 4** in the Land Use Application) and will be continued in 2008. Furthermore, potentially interested parties are aware of the proposed project.

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 should be no impact on traditional water use areas. Minimal water usage is anticipated at the camp – water for cooking and washing, and water use at the drill will be done responsibly and with regard to the water source and the surrounding area. Disturbance to wildlife will be minimal, as the proposed activities will respect the wildlife "seasons". Wildlife impact is discussed in more detail in the Land Use Application.

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
- **X** Uranium
- ☐ Other: _____

DRILLING INFORMATION

18. Drilling Activities

- **X** Land Based drilling
- ☐ Drilling on ice

19. Describe what will be done with drill cuttings?

Drill returns / cuttings and all deleterious substances will be contained at the drill site and channeled to nearest natural depression a minimum of 100 m distance from the ordinary high

water mark of (if any) the nearest water body. Uravan will ensure that there will be no dispersion of the return / cuttings or any deleterious substances to nearby water bodies.
In the event significant uranium mineralization is intersected, the BMP (best measures practice) as discussed in the Mineral Exploration Guidelines for Saskatchewan will be implemented; notably, returning cuttings containing >0.05% uranium down the drill hole and immediately grouting any drill hole deemed to have a uranium rich intersection consisting of >1% over a length > 1 meter, and with a meter-percentage concentration > 5.0 over the entire length of the mineralized zone and not less than 10 meters above or below each mineralized zone (see **Schedule 1** in the Land Use Application**)**.

20. Describe what will be done with drill water?

    As described above, the drill waters will be channeled to a natural sump and will not be allowed to enter into a nearby water body; if one exists.

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.

    Schedule 2 in the Land Use Application has a complete MSDS list of all materials that will be used during the proposed exploration. MSDS are also provided for anticipated fuels to be used.

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

    Drill core will be retrieved from all drill holes and systematically logged and sampled under the supervision of the Project Supervisor. Uravan will be employing scintillometers and spectrometers and down hole gamma probes to further evaluate the drill hole / drill core.

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.

    Yes refer to attached **Schedule 3** in the Land Use Application for Uravan's Spill Contingency Plan**.**

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

    Four, 1 located in camp, 2 at fuel cache and 1 will be at the drill.

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

Diesel fuel – up to 55 205 l barrels, stored at fuel cache at camp
Jet A / B – up to 125 205 l barrels, stored at fuel cache at camp
Gasoline – up to 20 205 l barrels, stored at fuel cache at camp
Propane – up to 25 45 kg cylinders, stored at fuel cache at camp

Refer to attached **Schedule 2** for complete MSDS of the anticipated fuels to be used.

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

At camp, the nearest lake – see Figure 3 in the Land Use Application.

The drill will draw from the nearest suitable source of water refer to Figure 1 in the Land Use Application for anticipated drilling areas.

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

☐ Domestic Use: <1.2 m³ Water Source: nearest lake
☐ Drilling: approx. 90 m³ / drill hole Water Source: nearest 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:

All intake hoses / valves drawing water in camp or at the drill will be screened with a suitable mesh to prevent the entrapment of fish species. When withdrawing water in the open water season, Uravan will ensure that ample water remains at the water source, so not to endanger the summer survival and over wintering of fish habitat.

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

No plan at this stage to monitor drinking water – it is assumed that large lake water will be drawn from will be suitable.

30. Will drinking water be treated? How?

At present there is no evidence to suggest water should be treated. Uravan however will have a 20 l water dispenser in the kitchen facility for drinking purposes.

31. Will water be stored on site?

Intake water will be stored in (2) 250 gallon (1100 litre) water tanks located in the camp dry facilities.

WASTE TREATMENT AND DISPOSAL

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

X Camp Sewage (black water)

If conditions permit the digging of a suitable pit, an outhouse will be used. Care will be taken to ensure the pit(s) will be a minimum of 30 m from the nearest body of water and above the high water mark. At the end of each season, the pit(s) will be backfilled and the area re-contoured to its original state. Uravan also anticipates a Pacto – style of outhouse facility in which camp sewage will be bagged and either buried at an approved location near the camp area or disposed of in the nearest facility (Baker Lake). Uravan was granted permission by the Hamlet of Baker Lake (see letter in the Land Use Application) for solid waste disposal.

X Camp Greywater

A submerged (hand dug pit) 45 gallon (205 liter) container directly behind the kitchen and dry facilities will act as a temporary sump. Electric sump pumps submerged in each temporary sump container, connected to garden hoses will then disperse the grey water to natural depressions 30 m behind camp. Note; the sump pumps are designed to not allow overflow of the temporary sump container. Care will be taken not to allow the drainage hose and pumps to freeze. Furthermore, greywater will not be allowed to flow directly to any nearby body of water.

X Solid Waste

See Camp Sewage above.

X Bulky Items/Scrap Metal

Removal to Baker Lake at the end of the project – see letter of approval.

X Waste Oil/Hazardous Waste

Removal to Baker Lake at the end of the project – see letter of approval.

X Empty Barrels/Fuel Drums
Back hauled to Baker Lake on each weekly supply flight and at the end of the project/camp demobilization.

☐ Other:

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33. Please describe incineration system if used on site. What types of wastes will be incinerated?
Initially, it is proposed that all garbage (kitchen scraps, paper products) be incinerated in burning barrels to eliminate waste odours and reduce the waste to a manageable quantity. The remains of burned waste will be collected and contained in sealed drums, transported out of camp to the land fill site in Baker Lake on a weekly basis.

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 flown to Baker Lake and disposed of in local land fill. See letter of approval from Baker Lake.

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

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, in winter season water will be drawn through ice, all plumbing lines will require heat tape, waste disposal will be similar to summer season. Greywater will be channeled directly to natural depressions.

ABANDONMENT AND RESTORATION

38. Provide a detailed description of progressive and final abandonment and restoration activities at the site.
At the end of each exploration program – all onsite gear will be stored in a proposed 14'x20' storage facility. All empty drums will be removed from the site; all incinerated garbage will be removed from site. Upon the final completion of the exploration phase –

if exploration efforts are not successful, all structures will be torn down and removed from the location. All equipment will be removed from the location.

BASELINE DATA

39. Has or will any baseline information be collected as part of this project? Provide bibliography.
Uravan proposes to collect baseline data as part of its exploration efforts – see below.

- **X** Physical Environment (Landscape and Terrain, Air, Water, etc.)
- **X** 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: _____

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