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TEL: (867) 360-6338 NUNAVUT WATER BOARD
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EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: True North Gems Inc. **Licence No: _____**
(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Environment Manager: n/a Tel: _____ Fax: _____ E-mail:_____

2. Project Manager: Mark Connell
   Tel: 867-939-2174; 867-939-2092
   E-mail: markcon@nb.sympatico.ca
3. Does the applicant hold the necessary property rights?
   Yes – claims currently under option to True North Gems.
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
   [ ] Annual
   [X] Multi Year:
   If Multi-Year indicate proposed schedule of on site activities
   Start: June 15, 2005 Completion: December 31, 2006

CAMP CLASSIFICATION

6. Type of Camp

[ ] Mobile (self-propelled)
[ ] Temporary
Not Applicable [ ] Seasonally Occupied: _____
Personnel will be staying in Kimmirut [ ] Permanent
[ ] Other:_____

7. What are the design population of the camp and the maximum population expected on site at one time? What will be the fluctuations in personnel?
   N/A
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.
   N/A
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.
    N/A
11. Is the camp or any aspect of the project located on:
    [X] Crown Lands Permit Number (s)/Expiry Date: NIRB #05EN060
    [ ] Commissioners Lands Permit Number (s)/Expiry Date: _____
    [ ] Inuit Owned Lands Permit Number (s)/Expiry Date: _____

12. Closest Communities (distance in km):

    Kimmirut, Nunavut.

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

    Yes – Approval letter from Hamlet of Kimmirut attached.

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 – streams are not fish bearing.

PURPOSE OF THE CAMP

15. ○ Mining
    ○ Tourism (hunting, fishing, wildlife observation, adventure/expedition, etc.)
    (Omit questions # 16 to 21)
    ○Other _____ (Omit questions # 16 to 22)

16. ○ Preliminary site visit
    ○ Prospecting - yes
    ○ Geological mapping - yes
    ○ Geophysical survey
    ○ Diamond drilling - yes
    ○ Reverse circulation drilling
    ○ Evaluation Drilling/Bulk Sampling (also complete separate questionnaire) – yes (advanced exploration questionnaire not applicable to this project – for the type of deposit we have taking samples is the only way to evaluate it, and at this time it is still early exploration).
    ○ Other: _____

True North is intending to take a 100-500 tonne mini-bulk sample this summer. Sample extraction proceeds by clearing off the rubble from the bedrock and outlining jackhammer holes to be drilled in lines with at least 12 to 18 inches of separation between them. The holes will vary from 50 cm to 1.2 m in depth. Once the holes are drilled they will be filled with Dexpan, an expanding mud, which over a

few hours will expand and break open the rock. Wedges will also be used. The wedges are placed between two tapered feathers along a row of holes and then tapped into the holes evenly until hairline fractures extend from one hole to the next and the rock breaks open. The rock is then extracted and placed into 1 to 2 tonne tote bags which will be loaded onto a sledge and pulled to the sealift terminal in Kimmirut when it is full. The sledge will make periodic trips between the worksite and town as work proceeds. An excavator will be used to load the tote bags on to the sledge. The process will continue until adequate sample material is retrieved (100 to 500 T). The duration of sampling is dictated by the departure of the last sealift in mid September.

The sampling proposed by True North does not require any use of water, nor will it produce any waste material. All material extracted by our work will be completely removed from the worksite.

17. Type of deposit:

- ○ Lead Zinc
- ○ Diamond
- ○ Gold
- ○ Uranium
- ○ Other: sapphire

DRILLING INFORMATION

18. Drilling Activities

- X ○ Land Based drilling
- ○ Drilling on ice

19. Describe what will be done with drill cuttings?
20. Describe what will be done with drill water?

Water from drilling will be recycled as much as possible to lower the costs of adding CaCl to the drill water. The water, including cuttings, will go through a 2 stage settling tank to remove the solids, and then discharged back downhill towards the small lake used to supply drilling water. Geotechnical filter fabric will be used below the discharge to remove any remaining solids. As well, the discharge site will be a considerable distance from the drill water supply lake, and there is some vegetation in the form of moss and muskeg surrounding the lake, thus further filtering the discharge water. The lake discharges into the stream which is downstream from the town sewerage pond.

All core will be taken and stored at a warehouse in Kimmirut.

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.

X-Tra Gel. Bentonite will be used to fill cracks in drill holes if the drill experiences a loss of water to the diamond bit. Bentonite is an expanding clay (montmorillonite). The MSDS sheet is attached.

Calcium Chloride. Although there is currently no CaCl on-site, as at this time we do not expect to require it, there is a potential that it will be brought in due to unforeseen circumstances. If CaCl is used, the drill water will be recycled as much as possible to reduce CaCl exposure to the environment. The MSDS sheet is attached.

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

No.

SPILL CONTINGENCY PLANNING

23. Does the proponent have a spill contingency plan in place? Please include for review.

Please see attached fuel spill contingency plan.

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

There will be an emergency fuel spill kit kept at the drill.

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

No fuel will be stored on-site. It will be brought in from Kimmirut on an as-needed basis.

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

Please see maps attached with Water License application. They include the proposed drilling location and the locations of the two streams we are planning to cross.

27. Estimated demand (in L/day * person):

- ○ Domestic Use: none Water Source: _____
- ○ Drilling Units: ~40,000 L/day Water Source: Nearby Lake
- ○ Other: none Water Source: _____

28. Describe water intake for camp operations? Is the water intake equipped with a mesh screen to prevent entrapment of fish? Describe:

N/A

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

N/A

30. Will drinking water be treated? How?

N/A

31. Will water be stored on site?

N/A

WASTE TREATMENT AND DISPOSAL

32. Describe the characteristics, quantities, treatment and disposal methods for:
    - ○ Camp Sewage (blackwater)

N/A

    - ○ Camp Greywater

N/A _____

- ○ Solid Waste

N/A _____

- ○ Bulky Items/Scrap Metal

Removed as needed _____

- ○ Waste Oil/Hazardous Waste

Removed as needed _____

- ○ Empty Barrels/Fuel Drums

Removed as necessary – no fuel will be stored on site, and so empty barrels will come back to Kimmirut once fuel is transferred.

- ○ Other:

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

N/A

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

    There will be no waste beyond normal household wastes.

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

N/A

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

There is no leachate.

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?

ABANDONMENT AND RESTORATION

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

Please see attached Abandonment and Restoration Plan.

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:

Please see attached report – Culvert-Stream Crossings Report

REGULATORY INFORMATION

40. Do you have a copy of

- ○ Article 13 - Nunavut Land Claims Agreement
- ○ NWB - Water Licensing in Nunavut - Interim Procedures and Information Guide for Applicants
- ○ NWB - Interim Rules of Practice and Procedure for Public Hearings
- ○ NWTWB - Guidelines for the Discharge of Treated Municipal Wastewater in the NWT
- ○ NWTWB - Guidelines for Contingency Planning
- ○ DFO - Freshwater Intake End of Pipe Fish Screen Guideline
- ○ Fisheries Act - s.35
- ○ RWED - Environment Protection- Spill Contingency Regulations
- ○ Canadian Drinking Water Quality Guidelines
- ○ Public Health Act Camp Sanitation Regulations
- ○ Public Health Act Water Supply Regulations
- ○ Territorial Land Use Act and Regulations

You should consult the above document, guidelines, and legislation for compliance with existing regulatory requirements.