P.O. BOX 119
GJOA HAVEN, NT X0E 1J0
TEL: (867) 360-6338
FAX: (867) 360-6369
kNK5 wmoEp5 vtmpq
NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI

EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: Indicator Minerals Inc. Licence No: _____
(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Environment Manager: Andrea Maynes Tel: 604 331 4605 Fax: 604 331 4654
   E-mail: andream@indicatorminerals.com

2. Project Manager: Andrea Maynes Tel: 604 331 4605 Fax: 604 331 4654
   E-mail: andream@indicatorminerals.com

3. Does the applicant hold the necessary property rights?
   Yes
4. Is the applicant an ôoperatorô for another company (i.e., the holder of the property rights)? If so, please provide letter of authorization.
   Indicator Minerals Inc. is both the applicant and operator of the Grail Project.

5. Duration of the Project
   [ ] Annual
   [**X**] Multi Year:
   If Multi-Year indicate proposed schedule of on site activities
   Start: **April 01, 2010** Completion: **April 01, 2015**

CAMP CLASSIFICATION

6. Type of Camp
   [ ] Mobile (self-propelled)
   [x] Temporary
   [ ] Seasonally Occupied: _____
   [ ] Permanent
   [ ] Other: _____

7. What is the design population of the camp and the maximum population expected on site at one time? What will be the fluctuations in personnel?
   The maximum number of people expected on site at one time is 15. Camp population will fluctuate from 10 - 15 people depending on the activities being performed. The proposed camp will be established in 2010.

8. Provide history of the site if it has been used in the past. **n/a (unknown)**

CAMP LOCATION

9. Please describe proposed camp location in relation to biogeographical and geomorphological features, and water bodies.
The camp location is being proposed on the eastern shore of Chartrand Lake, which lies within a massive glacial fluvial system on the Boothia Peninsula. This location was chosen because the large lake can provide adequate fresh potable water for domestic purposes at the camp.
It has also been selected based on the proximal location to the exploration activities, while avoiding protected Inuit Owned Land. Approximate camp location being proposed is 450606E, 7771970N (NAD 83, Zone 15).

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.
L**andsat imagery and air photos were used to aid the selection of the camp location. Chantrey Lake is also the only large lake in the area around the Grail property that has the potential to provide the best potable water.**

11. Is the camp or any aspect of the project located on:
[x] Crown Lands Permit Number (s)/Expiry Date: N2009C0016; in progress
[ ] Commissioners Lands Permit Number (s)/Expiry Date: _____
[x] Inuit Owned Lands Permit Number (s)/Expiry Date: KTL105C019, June 8,2010
**please note that only the very northeast corner claim covers IOL parcel SB-38, and no drilling or camping activities are planned for this area at this time.*

12. Closest Communities (distance in km):
The Community of Taloyoak is approximately 65 kilometres southeast of the proposed camp location, and 85 kilometres southeast of the approximate Grail property centre.

13. Has the proponent notified and consulted the nearby communities and potentially interested parties about the proposed work?
Community consultations were held in Nunavut in May 2009. Communities visited were Rankin Inlet, Repulse Bay, Chesterfield Inlet, Taloyoak, Kugaaruk and Gjoa Haven.

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 impacts are anticipated. Any drilling during the summer months will be conducted at least 31 m away from the high water mark of any stream, river or lake.

15. ⦸ Mining ï **Exploration – drilling, soil sampling, mapping, geophysical surveys**
○ Tourism (hunting, fishing, wildlife observation, adventure/expedition, etc.)
(Omit questions # 16 to 21)
○Other _____ (Omit questions # 16 to 22)

16. ○ 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:
    - ○ Lead Zinc
    - ⦸ Diamond
    - ○ Gold
    - ○ Uranium
    - ○ Other: ___

18. Drilling Activities
    - ⦸ Land Based drilling
    - ⦸ Drilling on ice

19. Describe what will be done with drill cuttings?
All land-based drill cuttings will be pumped to a sump that will be located a minimum of 31 metres from the normal high water mark of any water body.

20. Describe what will be done with drill water?
All land-based drilling fluids will be treated in sumps to collect cuttings, allowing the water to drain into the surrounding landscape.

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.
Please see attached Spill Contingency Plan, and attached MSDS sheets.

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.
Yes; please see attached Spill Contingency Plan for Indicator Minerals Inc.'s Grail Project.

24. How many spill kits will be on site and where will they be located?
There will be one spill kit at camp, one at the drill and one at each fuel cache location. In addition there will also be a minimum of one empty fuel drum located at each fuel cache for use in the event of a leaking or damaged fuel drum. Additional spill pads will be available at each fuel cache. As well, spill pads will be stored in closed pails and located behind the tents at camp.

25. Please describe the types, quantities, and method of storage of fuel and chemicals on site, and provide MSDS sheets.
Please refer to the attached Spill Contingency Plan and MSDS Sheets, attached with this application.

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.
Numerous small lakes are readily available for land-based drilling. These locations will be provided once the drill program is finalized and targets identified.

27. Estimated demand:

- ⦸ Domestic Use: **8 cubic m/day** Water Source: **Chantrey Lake**
- ⦸ Drilling Units: **50 cubic m/day** Water Source: **small lakes, see map**
- ○ Other: _____ Water Source: _____

28. Describe water intake for camp operations? Is the water intake equipped with a mesh screen to prevent entrapment of fish? Describe:
The water intake for camp will be facilitated using a submersible pump with a filtered intake that complies with DFO guidelines for screens to prevent the entrainment of fish.

29. Will drinking water quality be monitored? What parameters will be analyzed and at what frequency?
Yes, one sample will be taken when mobilizing the camp, with the possibility of further sampling if necessary. Tests will be conducted with a field test kit and will be standard water examinations for the various types of coliform bacteria.

30. Will drinking water be treated? How?
If necessary, depending on the test results, water may be chlorinated and/or shocked with bleach.

31. Will water be stored on site?
Yes, there will be a tank located at the campsite for the domestic purposes (approximately 150 gallons).

WASTE TREATMENT AND DISPOSAL

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

- ⦸ Camp Sewage (blackwater) ï **0.02 cubic metres/day**
  - disposal method – pacto toilets; either remove from site or incinerate on site

---

- ⦸ Camp Greywater ï **3 cubic metres/day**
  - disposal method - sump

- ⦸ Solid Waste – **minimal amount anticipated**
  - disposal method – incineration if appropriate or removed from site

⊗ Bulky Items/Scrap Metal ï **minimal amount anticipated**
- disposal method – removed from site

⊗ Waste Oil/Hazardous Waste ï **minimal**
- removed from site with a Waste Manifest

⊗ Empty Barrels/Fuel Drums
- removed from site on a regular basis

○ Other:

33. Please describe incineration system if used on site. What types of wastes will be incinerated?
Food waste, solid waste and other combustibles will be incinerated via a diesel-fuelled incinerator. Environment Canada's "Technical Document for Batch Waste Incinerators" will be considered.

34. Where and how will non-combustible waste be disposed of? If in a municipality in Nunavut, has authorization been granted?
Non-combustible, inert waste is anticipated to be minimal. It will be removed from site and taken to Taloyoak. Disposal of non-combustible waste in the Taloyoak landfill will not occur without consent from the municipality. A request to this effect will be submitted when necessary and any correspondence will be forwarded.

35. Describe location (relative to water bodies and camp facilities) dimensions and volume, and freeboard for sumps (if applicable).
All sumps will be located at a minimum of 31 metres from the normal high water mark of any water body including streams.

36. Will leachate monitoring be done? What parameters will be sampled and analyzed, and at what frequency?
Visual inspections of drill sumps will be conducted prior to leaving the drill hole and at the end of the field season. In the event that any leaching is observed, the INAC Water Resource Officer will be contacted immediately.

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?
The treatment and disposal methods being proposed are currently in practice across the north and follow the regulated guidelines and accepted methods. The current contingency plan at this time is mitigation (safe distance for disposal in sumps, shipping off site any hazardous chemicals/scrap metal/non-combustible waste, etc.) and monitoring. Should there be any concerns, the INAC Water Resource Officer will be notified immediately.

ABANDONMENT AND RESTORATION

38. Provide a detailed description of progressive and final abandonment and restoration activities at the site.
Please see attached "Abandonment & Restoration Plan". The Plan includes seasonal shutdowns as well as final closure for both drilling and remote camp operations.

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. 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.