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Nunavut Water Board
JUL 27 2005
Public Registry

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EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: _____ **Licence No:** _____
(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Environment Manager: **Bob Valliant** Tel: **905-294-9942** Fax: **905-294-4493**
E-mail: **explore@triorigin.com**

2. Project Manager: **Chris Pegg** Tel: **705-567-1108** Fax: **705-567-2861**
E-mail: **pegger@ntl.sympatico.ca**

3. Does the applicant hold the necessary property rights? **BHP Diamonds holds the property rights. Mineral claims F72985-F72996 (12) Tri Origin Exploration has an option agreement in place with BHP.**

4. Is the applicant an 'operator' for another company (i.e., the holder of the property rights)? If so, please provide letter of authorization. **Agreement with BHP attached**

5. Duration of the Project
[X] Annual
[ ] Multi Year:
If Multi-Year indicate proposed schedule of on site activities
Start: _____ Completion: _____

CAMP CLASSIFICATION

6. Type of Camp **** Personnel to be based in Arviat or fishing lodge. (Nueltin?) and transported in and out by helicopter.**

[ ] Mobile (self-propelled)
[ ] Temporary
[ ] Seasonally Occupied: _____
[ ] 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?

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

CAMP LOCATION

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

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.

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

[X] Crown Lands Permit Number (s)/Expiry Date: **LUP Under Application**
[ ] Commissioners Lands Permit Number (s)/Expiry Date: _____
[ ] Inuit Owned Lands Permit Number (s)/Expiry Date: _____

12. Closest Communities (distance in km):

Arviat – 191 kilometres

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

Yes, service providers in Arviat 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?

No and No

PURPOSE OF THE CAMP

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

16.
Preliminary site visit
Prospecting
X Geological mapping
Geophysical survey
X Diamond drilling
Reverse circulation drilling

Evaluation Drilling/Bulk Sampling (also complete separate questionnaire)
Other: _____

17. Type of Exploration:

X Lead Zinc
Diamond
X Gold
Uranium
Other: _____

DRILLING INFORMATION

18. Drilling Activities

X Land Based drilling
Drilling on ice

19. Describe what will be done with drill cuttings?

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?

Drill water will be treated in a sump to collect drill cuttings, allowing the rock particles to settle from solution.

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.

The drill additives to be used are 550X Polymer. The relevant MSDS sheets are attached. The additives are non-toxic and biodegradable.

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 find attached.

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

At least two spill kits will be available. These will be stationed at the drill and on the helicopter for emergency preparedness during refueling.

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

Diesel, Unleaded gas, Jet A aviation fuel and propane will be used for the drilling. These fuels will be stored in 45 gallon drums. (and 100 lb tanks for propane) The drums will be flown in and out via helicopter as they are used and none will be cached. The entire on-site fuel requirements are anticipated to be 8, 4, 8 barrels and 1 tank, respectively. The relevant MSDS sheets are attached.

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

Numerous small ponds and lakes are available for drill supply water.

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

Domestic Use: _____ Water Source: _____
X Drilling Units: **85 cubic metres per day** Water Source: **ponds & lakes**
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:

Not Applicable. But the drill water intake will be mesh screen equipped.

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

Not Applicable

30. Will drinking water be treated? How?

Not Applicable

31. Will water be stored on site?

Not Applicable

WASTE TREATMENT AND DISPOSAL

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

- ☐ Camp Sewage (blackwater)
- ☐ Camp Greywater
- ☐ Solid Waste
- ☐ Bulky Items/Scrap Metal
- ☐ Waste Oil/Hazardous Waste
- X Empty Barrels/Fuel Drums

These will be returned to the fuel distributor in Arviat.

- ☐ Other:

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

Not Applicable

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

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

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

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.

See Site Restoration Plan attached.

BASELINE DATA

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

Not to date.

- ☐ 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

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

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