



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: Diamondex Resources Ltd. Licence No: \_\_\_\_\_  
(For NWB Use Only)

#### ADMINISTRATIVE INFORMATION

1. Environment Manager: \_\_\_\_\_ Tel: \_\_\_\_\_ Fax: \_\_\_\_\_ E-mail: \_\_\_\_\_
2. Project Manager: Caroline Harke Tel: 604-687-6644 Fax: 604-687-1448 E-mail: \_\_\_\_\_
3. Does the applicant hold the necessary property rights?  
Yes – mineral claims and IOL in Diamondex's name
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  
☒ Multi Year:  
If Multi-Year indicate proposed schedule of on site activities  
Start: 1 April 2003 Completion: 31 March 2005

#### CAMP CLASSIFICATION

6. Type of Camp  
☐ Mobile (self-propelled)  
☒ Temporary  
☒ Seasonally Occupied: During exploration work programs  
☐ 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?

Camp is designed for housing approximately 12 people.

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

Unknown

## CAMP LOCATION

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

(See attached claim map illustrating the camp location and nearby lakes)

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. Location selected utilizing air photos and final site selected during property visit in 2002. Diamondex staff does not believe other parties used the site previously. No assistance was sought from any outside parties.

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

☒ Crown Lands Permit Number (s)/Expiry Date: DIAND LUP N2002C0031/17 July 2004 & LUP N2002C0033/27 August 2004

☐ Commissioners Lands Permit Number (s)/Expiry Date: \_\_\_\_\_

\*\*☒ Inuit Owned Lands Permit Number (s)/Expiry Date: KTL302C025

\*\*Diamondex may apply to DIAND (Land Use Permit N2002C0033; expiry date 27 August 2004) and the KIA for permission to move the camp to the IOL lands at a later date.

12. Closest Communities (distance in km):

Kugluktuk

Kingoak

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

Currently in the process of doing so – will submit copies of correspondence to the Nunavut Water Board ASAP.

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?

Presently the impact on traditional water use is unknown. There will be no impact on local fish and wildlife habitats.

## PURPOSE OF THE CAMP

15. ☐ Mining  
☐ Tourism (hunting, fishing, wildlife observation, adventure/expedition, etc.)  
(Omit questions # 16 to 21)  
☒ Other Diamond Exploration (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: \_\_\_\_\_

## DRILLING INFORMATION

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

19. Describe what will be done with drill cuttings?

Any drill cuttings produced as a result of diamond drilling activity on the property will be contained within flat-lying areas that are self-contained (i.e. experience no drainage), and that are not in areas within 30 metres of running or still waters. The cuttings will also be isolated from any possible run-off into streams and/or lakes.

20. Describe what will be done with drill water?

The drill water will be re-circulated through a filter that removes particulates from the water. The filtered water is then re-circulated back down the drill holes.

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.

Refer to attached "Drilling Fluid and Additives" list.

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. Currently being revised and will be forwarded ASAP.

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

Two – sorbent capacity of 240 litres. One kit will be located at the exploration camp where the bulk of the fuel will be stored. The other kit will be located at a drill site.

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

Diesel	95 containers – containers contain 206 litres
Gasoline	1 container – containers contain 206 litres
Aviation Fuel	85 containers – containers contain 206 litres
Propane	40 containers – containers contain 100 pounds

See enclosed MSDS sheets

## WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

The camp water source is an unnamed lake located 50 metres directly west of the exploration camp.

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

- ☐ Domestic Use: 30 L/day/person Water Source: Unnamed lake 50 metres directly west of camp
- ☐ Drilling Units: 700 to 10,000 L/day Water Source: Variable depending on drill hole location(s)
- ☐ 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:

Water intake will be equipped with a mesh screen.

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

In the past we would have tested the water however it is more economical and safer to just bring in bottled drinking water.

30. Will drinking water be treated? How?

Not applicable.

31. Will water be stored on site?

No.

## WASTE TREATMENT AND DISPOSAL

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

- ☐ Camp Sewage (blackwater)

To be collected in sumps (well drained low area with sandy substrate and well away from any water bodies).

- 
- ☐ Camp Greywater

To be collected in sumps, then pumped to an on-land area for discharge well removed from any standing water, lakes, or streams.

- 
- ☐ Solid Waste

To be contained and shipped to Yellowknife

- 
- ☐ Bulky Items/Scrap Metal

To be flown to Yellowknife

- 
- ☐ Waste Oil/Hazardous Waste

To be contained and flown to Yellowknife

- ☐ Empty Barrels/Fuel Drums

To be contained and flown to Yellowknife

- 
- ☐ Other:
- 

33. Please describe incineration system if used on site. What types of wastes will be incinerated? Will utilize a burn barrel, only burning materials which can be done safely. All residue to be removed to Yellowknife.

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

35. Describe location (relative to water bodies and camp facilities ) dimensions and volume, and freeboard for sumps (if applicable).  
In a low area with a sandy substrate, well away from water bodies and exploration camp.

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?  
Yes – used in NWT on other exploration properties

## ABANDONMENT AND RESTORATION

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

Should any drilling be done during the course of the exploration program, all drilling additives/muds/spent oils and lubricants will be contained and returned to the campsite for shipment (via air) south to Yellowknife to facilities capable of their proper disposal. The drill site will be kept clean of any garbage or food that may attract local wildlife. After the drill is moved (via helicopter) from a drill site, the drill site will be thoroughly cleaned and returned as close to its initial state as possible.

All structures that will be erected at the campsite (kitchen, dry, sleeping tents, etc.) will be temporary structures that will be removed from the property upon expiration of the Land Use permit. Structures, equipment, and other manmade debris that cannot be burned on site, will be dismantled and removed from the site via aircraft to Yellowknife.

Rehabilitation of the area will be accomplished through thorough cleanup after vacating the affected sites. During occupancy of the work/camp sites, preservation of flora and landforms will be aided by construction of raised walkways (to minimize surficial erosion), and the utilization of designated areas for containment/storage of wastes/equipment until they can be removed from site (to minimize the footprint of the camp).

During occupancy of the campsite, every effort will be made to reduce the impact of the human footprint on the environment. Structures erected in building the camp (i.e. kitchen, dry, sleeping tents, etc.) will be set-up on platforms raised above the ground in order to minimize impact to local flora and soils. Walkways between buildings in the campsite area will also be constructed above the ground in order to minimize the erosion caused by repeated walking along the same pathways. Non-burnable wastes and empty fuel drums will be routinely shipped (via air) to Yellowknife throughout the duration of the proposed program, so as to minimize the buildup of wastes in the camp site, which will also deter attraction of local wildlife to the area.

## **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.)
  - ☐ Detailed records including location, number and type of species observed
  - ☐ Socio-Economic Environment (Archaeology, Land and Resources Use,
  - ☐ Demographics, Social and Culture Patterns, etc.)
  - ☐ Other:

Some information will be collected, although not in a formal research manner – should a significant exploration discovery be made then various consultants will commence significant baseline studies.

## **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.