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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: Agnico-Eagle Mines Ltd. **Licence No: _____**
(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Environment Manager: **Rachel Lee Gould** Tel: **(604) 608-2557** Fax: **(604) 608-2559**
   E-mail: **rgould@agnico-eagle.com**

2. Project Manager: Denis Vaillancourt Tel: (**819) 874-5980** Fax: **(819) 874-3318**
   E-mail: **denis.vaillancourt@agnico-eagle.com**

3. Does the applicant hold the necessary property rights? **Yes – land use license from the Kivalliq Inuit Association (#KVCL303H305)**

4. Is the applicant an 'operator' for another company (i.e., the holder of the property rights)? **No**
   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: **March 15, 2008** Completion: **January 1, 2013**

CAMP CLASSIFICATION

6. Type of Camp
   - Mobile (self-propelled)
   - **X** Temporary
   - **X** Seasonally Occupied:
   - Permanent
   - Other:_____

7. What is the design, maximum and expected average population of the camp?
   Maximum capacity of 85 persons, expected average population of the camp 40 persons.

8. Provide history of the site if it has been used in the past.
   Cumberland has operated an exploration camp for the Meadowbank Project since 1995. With the start of construction then leading into mine operations a new exploration camp is required to support ongoing exploration activity. It is proposed that the exploration camp be constructed at km 100 along the All Weather Private Access Road (AWPAR) between the Hamlet of Baker

Lake and the Meadowbank site. This is a new site that has not seen any past use by Meadowbank.

CAMP LOCATION

9. Please describe proposed camp location in relation to biogeographical and geomorphological features, and water bodies.
The proposed exploration camp will be located at km 100 along the AWPAR between the Hamlet of Baker Lake and the Meadowbank site, adjacent to Third Portage Lake.

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.
The site for Exploration Camp KM 100 was selected so that it would be located on the mainland in close proximity to the AWPAR, Third Portage Lake and the main camp. The site has not been previously used. The Regional Inuit Association was consulted through the land lease process. A map showing the camps location is available in the attached Amendment to Type B Water License document.

11. Is the camp or any aspect of the project located on:
Crown Lands Permit Number (s)/Expiry Date: **s**
Commissioners Lands Permit Number (s)/Expiry Date: _____
X Inuit Owned Lands Permit Number (s)/Expiry Date: Land Use License # KVCL303H305; expiry date December 31, 2010

12. Closest Communities (direction and distance in km):
The camp is located approximately 65 km north of the Hamlet of Baker Lake

13. Has the proponent notified and consulted the nearby communities and potentially interested parties about the proposed work?
Public meetings are held yearly in Baker Lake to update residents on exploration plans and to update them on the progress of the project. A community liaison office was opened in Baker Lake in 2004 and a community liaison officer (a local Baker Lake resident) was hired to aid in disseminating information about the project to local residents. A year end non-technical report is produced annually and distributed to interested parties.

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 significant impacts are anticipated

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
X Gold
Uranium
Other: _____

DRILLING INFORMATION

18. Drilling Activities
X Land Based drilling
X Drilling on ice

19. Describe what will be done with drill cuttings?
When drilling on ice, all drill cuttings are removed from the ice surface; cuttings are collected in a settling drum. When drilling is conducted on land, the cuttings are collected, bagged and brought back to the main camp.

20. Describe what will be done with drill water?
Drill water is returned to the lake after cuttings are removed in a settling drum, or it is pumped to a natural depression sump.

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.
Minor amount of salt ($CaCI_2$) and mud are used to prevent water from freezing during drilling. MSDS sheets, with toxicity information, are available in the attached Spill Contingency Plan document.

22. Will any core testing be done on site? Describe.
No, all core will be split on site and samples shipped out for processing.

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, a spill contingency plan is included with this application.

24. How many spill kits will be on site and where will they be located?
Four spill kits will be available on site; they will be stored at the fuelling station. Absorbent matting will be available at each drill site.

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

P50 diesel fuel is stored in 3 tanks of 50 000 litres capacity each and 1 tank of 12 000 litres capacity, for a total storage capacity of 162,000 litres. All four tanks are double walled self contained fuel tanks. (These tanks will be relocated from the Meadowbank site).

Jet-A helicopter fuel is stored in 1 tank of 75 000 litres capacity, in a double walled self contained fuel tank (also relocated from the Meadowbank site).

Small propane cylinders and one propane storage tank will be relocated from the Meadowbank site.

40 drums of gasoline (205 litres/drums) will be stored on site.

The MSDS sheets are available in the attached Spill Contingency Plan document.

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.
Water is obtained from the local lakes for drilling
Camp water will be obtained from Third Portage Lake.

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

Domestic Use: **19 m3/day**	Water Source: **Third Portage Lake**
Drilling: **50 m3/day/drill x 5 drills maximum**	Water Source: **Local 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? (see *DFO 1995, Freshwater Intake End-of-Pipe Fish Screen Guideline*) Describe:
Water is obtained from the lake using a well pump. The siphon for the pump is covered by an appropriate sized screen to prevent the entrapment of fish.

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

Drinking water quality will be monitored each month during operations. Colliform bacteria will be analysed monthly and total metals quarterly (4 times per year).

30. Will drinking water be treated? How?
Drinking water is treated at camp by the addition of small amounts of chlorine (liquid bleach).

31. Will water be stored on site?
No

WASTE TREATMENT AND DISPOSAL

32. Describe the characteristics, quantities, treatment and disposal methods for:
X Camp Sewage (blackwater)
Electric toiletss will be used at the camp; consequently, no liquid sewage will be generated at the camp.

X Camp Grey water

The grey water generated by the kitchen and shower facilities will be deposited in a natural sump that will overflow onto the surrounding tundra. This sump will be located greater than 30 metres from the lake shore.

X Solid Waste/Bulky Items/Scrap Metal

Solid waste, bulky items and scrap metal at the exploration camp will be transported to the Meadowbank mine site (estimated volume of 5 tonnes per year).

Solid waste, bulky items and scrap metal at the Meadowbank mine site will be temporarily stored on site; the solid waste will either be disposed of in the Meadowbank Project landfill (pending approval of the NWB Type A water license) or backhauled to Baker Lake for disposal in the municipal dump (pending approval of the Hamlet of Baker Lake).

X Waste Oil/Hazardous Waste

Waste oil at the exploration camp will be transported to the Meadowbank mine site (estimated at 1,000 litres per year).

Waste oil at the Meadowbank mine site will be temporarily stored on site; waste oil will be transported to Baker Lake then barged south for proper disposal.

X Empty Barrels/Fuel Drums

Empty barrels will be backhauled to Baker Lake to be either refilled or disposed of.

Other:

33. Please describe incineration system if used on site. What types of wastes will be incinerated?
No incinerator will be used at the exploration camp. Organic waste will be transported to the Meadowbank mine site for incineration.

34. Where and how will non-combustible waste be disposed of? If in a municipality in Nunavut, has authorization been granted?
Non-cumbustible waste at the exploration camp will be transported to the Meadowbank mine site.

Non-combustible waste from the Meadowbank mine site will be temporarily stored on site; the waste will either be disposed of in the Meadowbank Project landfill (pending approval of the NWB Type A water license) or backhauled to Baker Lake for disposal in the municipal dump (pending approval of the Hamlet of Baker Lake).

35. Describe location (relative to water bodies and camp facilities) dimensions and volume, and freeboard for all sumps (if applicable).
Camp grey water will be deposited in a natural sump that overflows onto the surrounding tundra. This sump will be located on the south east side of the camp, greater than 30 m from Third Portage Lake.

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

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?
Water Supply - A similar water supply system has been used successfully at the Meadowbank camp since 1995; the system has operated well with no known problems over this time period. If there is equipment malfunction, standard procedures will be employed to fix or replace the equipment.

Solid Waste Disposal – These items are being temporarily stored at the Meadowbank mine site in appropriate storage containers; permanent disposal involves placing a landfill (pending the necessary approvals) or, as a contingency measure, barging south in the summer months. A cold climate will not have an impact on disposal activities.

ABANDONMENT AND RESTORATION

38. Provide a detailed description of progressive and final abandonment and restoration activities at the site.
A closure and reclamation plan is included with the application.

BASELINE DATA

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

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: _____

Baseline information has been conducted for several years in anticipation of continued development of the project. Baseline work to date includes the following:

1996 – Preliminary aquatic baseline study
1997 – Aquatic base line study
1998 - Reconnaissance survey for hydrology studies
- Aquatic baseline studies for water and sediment quality, and lower trophic level population
- Review of wildlife literature
- Collection of traditional use information
- Reconnaissance survey for waste characterization studies
1999 – Studies were continued in hydrology, aquatic ecology, fisheries, vegetation, wildlife, ARD, and archaeology
- Continuous atmospheric monitoring and upgrading of measurements to include snowfall and thermal radiation.
2000 – Collection of climatic data
2001 – Collection of climatic data
2002 – Continued collection of baseline data
2003 – Continued collection of baseline data, including: fisheries and aquatics, wildlife, vegetation and terrestrial habits, and hydrology.

2004 – Continued collection of baseline data, including: fisheries and aquatics, wildlife, vegetation and terrestrial habits, hydrology, and ARD. Completion of Draft Environmental Impact Statement; submitted to NIRB in December 2004
2005 - Wildlife, fisheries and aquatic monitoring
2006 - Wildlife, fisheries and aquatic monitoring
2007 – Wildlife, fisheries and aquatic monitoring

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