



P.O. Box 119
GJOA HAVEN, NU X0B 1J0
TEL: (867) 360-6338
FAX: (867) 360-6369

kNK5 wmoEp5 vtmpq
NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: Lupin Mines Incorporated, an indirect wholly owned subsidiary of Elgin Mining Inc.

Licence No: _____

(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Environment Manager: _____ Tel: _____ Fax: _____ E-mail: _____

2. Project Manager: Vivian Park Tel: 604-682-3366 Fax: 604-682-3362 _____

E-mail: _____

3. Does the applicant hold the necessary property rights? Yes

4. Is the applicant an 'operator' for another company (i.e., the holder of the property rights)? If so, please provide letter of authorization. No

5. Duration of the Project

☐ One year or less Start and completion dates:
☒ Multi Year:

If Multi-Year indicate proposed schedule of on site activities

Start: 2012 Completion: 2017

CAMP CLASSIFICATION

6. Type of Camp

☐ Mobile (self-propelled)
☐ Temporary
☐ Seasonally Occupied: _____
☐ Permanent
☐ Other: Lupin Mine camp licensed under 2AM-LUP0914

7. What is the design, maximum and expected average population of the camp?

Design population – original camp was designed for 200 people

Expected average population – 30 persons

Maximum population – 40 persons

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

The site was an operational underground gold mine from 1982 to 2005 with temporary suspensions of activities between Jan 1998 and April 2000, and again between Aug 2003 and March 2004. The mine resumed production in March 2004 until 2005. Since 2005, the site has remained in care in maintenance.

CAMP LOCATION

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

Climate in this region is classified as semi-arid sub Arctic, with a mean daily temperature of -11.1°C and an average annual precipitation of 299 mm.

The site is located in the tundra zone of the Canadian Shield and the terrain is generally low and undulating, ranging between 450 and 530 m elevation. Numerous shallow lakes and streams occur in depressions throughout the area. Contwoyto Lake is the major waterbody in the region, with a surface area of approximately 95 900 hectares (ha) and a drainage area of 8000 km²

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 camp was selected because its use has been approved under water licence 2AM-LUP0914 and it is fully operational.

See attached map.

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

<input checked="" type="checkbox"/> Crown Lands	Permit Number (s)/Expiry Date: Application for Land Use Permit submitted to INAC September 2011
<input type="checkbox"/> Commissioners Lands	Permit Number (s)/Expiry Date: _____
<input type="checkbox"/> Inuit Owned Lands	Permit Number (s)/Expiry Date: _____

12. Closest Communities (direction and distance in km):

[The site is approximately 285 kilometers southeast of the community of Kugluktuk, 80 kilometers south of the Arctic Circle and 400 kilometers northeast of the City of Yellowknife, Northwest Territories.](#)

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

[No](#)

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](#)

PURPOSE OF THE CAMP

15. ☒ Mining (includes [exploration program](#))
☐ Tourism (hunting, fishing, wildlife observation, adventure/expedition, etc.)
(Omit questions # 16 to 21)
☐ Other _____

16. Activities (check all applicable)

- ☐ 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 (exploration focus):

- ☐ 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?

[Drill cuttings will be deposited either in the Lupin Mine Tailings Containment Area or in natural or constructed sumps located 30 meters from the ordinary high water mark of any water body.](#)

20. Describe what will be done with drill water?

[Drill water will be discharged to a portable containment system to allow sediments to settle out before discharge either to the Lupin Mine Site Tailings Containment Area or 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.

[Standard polymers and muds. See Spill Contingency Plan.](#)

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

No

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.

See Spill Contingency Plan

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

See Spill Contingency Plan

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

See Spill Contingency Plan

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

The water source for each drill site will be the closest available lake.

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

- ☐ Domestic Use: 5 m³/day Water Source: Contwoyto Lake
approved by water licence 2AM-LUP0914
- ☒ Drilling: 45 m³/day Water Source: Closest available lake
- ☐ 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 intake for camp operations is approved under water licence 2AM-LUP0914.

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

NA

30. Will drinking water be treated? How?

NA

31. Will water be stored on site?

NA

WASTE TREATMENT AND DISPOSAL

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

☐ Camp Sewage (blackwater)

Within existing Lupin Mine site sewage pond system permitted under water licence 2AM-LUP0914.

☐ Camp Greywater

Within existing Lupin Mine site sewage pond system permitted under water licence 2AM-LUP0914.

☐ Solid Waste

Within existing Lupin Mine site landfill, burn pit, or incinerator permitted under water licence 2AM-LUP0914.

☐ Bulky Items/Scrap Metal

Within existing Lupin Mine site landfill permitted under water licence 2AM-LUP0914.

☐ Waste Oil/Hazardous Waste

Back haul to Lupin Mine site for temporary storage, seal in drums and transport to Yellowknife for disposal.

☐ Empty Barrels/Fuel Drums

Stored at Lupin Mine site and transport to Yellowknife for disposal

☐ Other:

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

Incinerator system is licensed under 2AM-LUP0914.

Acceptable food waste, paper waste and untreated wood products will be incinerated.

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

Non-combustible waste will be disposed of in the Lupin Mine site Landfill licensed under 2AM-LUP0914

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

Sumps will be located thirty meters from the ordinary high water mark of any water body

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

Visual monitoring for leachate will be done by drillers, with appropriate action if detected.

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 methods proposed have been extensively and successfully used in the north.
They are standard to diamond drill exploration programs.

ABANDONMENT AND RESTORATION

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

See Abandonment and Restoration Plan

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: _____

The physical and biological environments will be documented during the prospecting and geological mapping program.

Any wildlife sitings or encounters will be documented.

Any archaeological sites will not be disturbed. If found they will be photographed and reported to GN-CLEY.

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*