

Exploration Remote Camp Supplementary Questionnaire



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EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: Canada Coal Inc. Licence No: _____
(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Environment Manager: Susan O'Donnell Tel: 403.264.9496 Fax: 403.263.7641 E-mail: susan.odonnell @ dmtgeosciences.ca
2. Project Manager: Susan O'Donnell Tel: 403.264.9496 Fax: 403.263.7641 E-mail: susan.odonnell @ dmtgeosciences.ca
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
☒ Multi Year: Start and completion dates: May 2013 through Sept 2013
May 2014 through Sept 2014

If Multi-Year indicate proposed schedule of on site activities
Start: May 2013 Completic Sept 2014

CAMP CLASSIFICATION

6. Type of Camp
☐ Mobile (self-propelled)
☒ Temporary
☐ Seasonally Occupied: _____
☐ Permanent
☐ Other: _____
7. What is the design, maximum and expected average population of the camp?
Design = 25 people Max = 35 people Average Population = 20-30 people
8. Provide history of the site if it has been used in the past.
The area was prospected in the 1980s by PetroCanada, Gulf, and Utah.
Some historic features, such as a runway, are visible by air and on ground.

CAMP LOCATION

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

The proposed camp location is to be located a few (1-2) km to the south of Romulus Lake, at the eastern extent of Slide Fiord.

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 has been previously used in the 1980s, although the existing footprint is almost no longer evident. NO assistance was requested however the Association will be contacted in April/May for feedback.

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

☒

Crown Lands

Permit Number (s)/Expiry Date:

102, expiry June 5, 2014

☐

Commissioners Lands

Permit Number (s)/Expiry Date:

III, expiry June 6, 2013

☐

Inuit Owned Lands

Permit Number (s)/Expiry Date:

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

Grisle Fiord - 410 km to southeast of Eureka

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

Yes, community consult is ongoing

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, the closest community is > 400 km away.

PURPOSE OF THE CAMP

15. ☒ 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
☒ Prospecting
☒ Geological mapping
☒ Geophysical survey
☒ Diamond drilling

- ☐ Reverse circulation drilling
☐ Evaluation Drilling/Bulk Sampling (also complete separate questionnaire)
☒ Other: Environmental/Heritage Studies

17. Type of deposit (exploration focus):

- ☐ Lead Zinc
☐ Diamond
☐ Gold
☐ Uranium
☒ Other: Coal

DRILLING INFORMATION

18. Drilling Activities

- ☒ Land Based drilling
☐ Drilling on ice

19. Describe what will be done with drill cuttings?

Any contaminated cuttings will be treated as per the Fuel Spill Contingency Plan. (incineration)
 Any non-contaminated cuttings will be filtered through sumps/settling ponds and then reclaimed and/or used to backfill sumps/settling ponds.

20. Describe what will be done with drill water?

If contaminated, will be incinerated. If not contaminated, will be settled using sumps/ponds then returned to the groundwater.

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.

Portland Cement, AMC 133X, AMC-K-10N, AMC Pure-vis, AMC Penetrol Xtra,
 Calcium Chloride, Lubricating Grease, AMCCR-650, AMC 1300

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

No. Core logging will be done but testing will be conducted off-site.

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 attached.

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

One on every rig. One at the main fuel cache. One on each helicopter (smaller kit). One 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 page 3 of the attached Spill Containment Plan.

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

Romulus Lake - for camp use
Various creeks and waterways/melt ponds for drill targets (see drill target map).

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

- 3 rig max

<input checked="" type="checkbox"/>	Domestic Use: <u>50 m³/day</u>	Water Source: <u>Romulus Lake/drainage creeks</u>
<input checked="" type="checkbox"/>	Drilling: <u>50 m³/day per rig</u>	Water Source: <u>local lakes, creeks, and melt ponds</u>
<input type="checkbox"/>	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 to be obtained from sources using a well pump, siphon for the pump is covered by a screen to prevent entrapment of fish.

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

Yes drinking water will be monitored and treated with UV light. Parameters will be established and detailed once contractors are selected.

30. Will drinking water be treated? How?

UV and possibly other treatment, see above.

31. Will water be stored on site?

WASTE TREATMENT AND DISPOSAL

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

☒ Camp Sewage (blackwater)

1 m³/day - no treatment - 2 stage incineration to dispose

☒ Camp Greywater

10 m³/day - sand pump if possible - 2 stage incineration to dispose

☒ Solid Waste

< 1 tonne - no treatment - 2 stage incineration

☒ Bulky Items/Scrap Metal

Empty drums - cleaned and crushed if possible - backhauled/flowed out for disposal

☒ Waste Oil/Hazardous Waste

< 500L - no treatment - 2 stage incineration

☐ Empty Barrels/Fuel Drums

See bulky items/scrap metal

☒ Other:

Unused fuels - no treatment - backhauled/sold to Eureka/local communities for redistribution

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

2 stage incineration, for camp sewage, camp greywater, solid waste, waste oil/hazardous waste,

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

Currently working on obtaining appropriate authorizations

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

Not applicable

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

Not applicable

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?

*We will have a back-up water supply at Eureka.
The program will be conducted over relatively warm summer months.
However, 2-stage incineration has been proven for cold weather.*

ABANDONMENT AND RESTORATION

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

Please see attached Abandonment and Restoration Plan.

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.) - *fossils*
- ☒ Socio-Economic Environment (Archaeology, Land and Resources Use, Demographics, Social and Culture Patterns, etc.)
- ☐ Other: _____

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