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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI

WATER LICENCE APPLICATION FORM

Application for: (check one)

☐ New

☐ Amendment

☒ Renewal

☐ Assignment

LICENCE NO:

(for NWB use only)

NWB 2JAm00 - James Area - Hood River

1. **NAME AND MAILING ADDRESS OF APPLICANT/LICENSEE**

Kemecott Canada Exploration Inc
200 Granville St, Suite 354
Vancouver, B.C.

Phone: 604-669-1880

Fax: 604-669-5255

e-mail: pekaskid@kemecott.com

2. **ADDRESS OF CORPORATE OFFICE IN CANADA (if applicable)**

BOARD

JAN 24 2000

Phone: _____

Fax: _____

e-mail: _____

PUBLIC REGISTRY

3. **LOCATION OF UNDERTAKING** (describe and attach a topographical map, indicating the main components of the undertaking)

Please see attached map

Camp Location:

Latitude: 66° 59'

Longitude: 111° 16'

NTS Map No. 76L/14

Scale 1:50,000

4. **DESCRIPTION OF UNDERTAKING** (attach plans and drawings)

Exploration camp for up to 12 people for 1-2 months (seasonal)
Sonic drilling using portable prospector style drill rig

5. **TYPE OF UNDERTAKING** (A supplementary questionnaire must be submitted with the application for undertakings listed in "bold")

☐ Industrial

☐ Mine Development

☐ Advanced Exploration

☒ Exploratory Drilling

☒ Remote/Tourism Camps

☐ Municipal

☐ Power

☐ Other (describe):

Mineral Exploration

6. **WATER USE**

- ☒ To obtain water
☐ To modify the bed or bank of a watercourse
☐ To alter the flow of, or store, water
☐ To cross a watercourse

- ☐ To divert a watercourse
☐ Flood control
☐ Other (describe): _____

7. **QUANTITY OF WATER INVOLVED** (litres per second, litres per day or cubic metres per year, including both quantity to be used and quantity to be returned to source)

Approx 300 litres per day (camp ~~water~~)
 Approx 20,000 litres per day (drill)

8. **WASTE** (for each type of waste describe: composition, quantity, methods of treatment and disposal, etc.)

- ☐ Sewage
☐ Solid Waste
☐ Hazardous
☐ Bulky Items/Scrap Metal

- ☐ Waste oil
☒ Greywater
☐ Sludges
☐ Other (describe)

Run off into sump > 40m from lake or water source
 Drill returns captured into settling tanks, allowed to settle, water deposited into natural depression > 40m from water course

9. **PERSONS OR PROPERTIES AFFECTED BY THIS UNDERTAKING** (give name, mailing address and location; attach if necessary)

Land Use Permit

DIAND N1999J0050

☒ Yes ☐ No

If no, date expected _____

Regional Inuit Association
 KTL199F013

☒ Yes ☐ No
 KTL399C002

If no, date expected _____

Commissioner

☐ Yes ☒ No

If no, date expected _____

10. **PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES** (direct, indirect, cumulative impacts, etc.)

NIRB Screening

☒ Yes ☐ No

If no, date expected Under KTL399C002

No impacts anticipated

11. **CONTRACTORS AND SUB-CONTRACTORS** (name, address and functions)

Peak Exploration, Box 39, Smithers, B.C. - drill contractor
 Great Slave Helicopters, Yellowknife - charter aircraft
 Air Tindi, Yellowknife, charter aircraft

12. STUDIES UNDERTAKEN TO DATE (list and attach copies of studies, reports, research, etc.)

None, (camps have existed for several years)

13. THE FOLLOWING DOCUMENTS **MUST** BE INCLUDED WITH THE APPLICATION FOR THE REGULATORY PROCESS TO BEGIN

Supplementary Questionnaire (where applicable: see section 5) ☒ Yes ☐ No If no, date expected _____

Inuktitut/English Summary of Project ☒ Yes ☐ No If no, date expected _____

Application fee \$30.00 (c/o of Receiver General for Canada) ☒ Yes ☐ No If no, date expected _____

14. PROPOSED TIME SCHEDULE

☒ Annual (or) ☐ Multi Year

Start Date: March 15, 2000

Completion Date: September 30, 2000

Dean Pekeski

Project Geologist



Dec 17/99

Name (Print)

Title (Print)

Signature

Date

For Nunavut Water Board use only

APPLICATION FEE

Amount: \$ 30

Receipt No. E 116751

WATER USE DEPOSIT

Amount: \$ _____

Receipt No.: _____



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NUNAVUT WATER BOARD

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**EXPLORATION/ REMOTE CAMP
SUPPLEMENTARY QUESTIONNAIRE**

NUNAVUT BOARD
JAN 24 2000
PUBLIC AFFAIRS

Applicant: Kennecott Licence No: NWB2 JAM

(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Environment Manager: Diane Gregory Tel: 604-669-1880 Fax: 604-669-5255 E-mail: gregoryd@kci.ca
2. Project Manager: Dean Pekesk Tel: 604-669-1880 Fax: 604-669-5255 E-mail: pekeskide@kci.ca
3. Does the applicant hold the necessary property rights?
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
 - ☒ Annual
 - ☐ Multi Year:
If Multi-Year indicate proposed schedule of on site activities
Start: _____ Completion: _____

CAMP CLASSIFICATION

6. Type of Camp
 - ☐ 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?
Camp is designed for up to 12 people, max 12 people at any one time
8. Provide history of the site if it has been used in the past.
Camp was built in 1997 (relocated from James (camp) and occupied in May-June 1998, March-April 1999.

CAMP LOCATION

9. Please describe proposed camp location in relation to biogeographical and geomorphological features, and water bodies.
Camp is located on a flat sand/gravel plain adjacent to a large lake surrounded by rocky hills and bluffs
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.
Camp selected based on need for reliable fixed wing access (flats/skies) and proximity to exploration property. Unknown if assistance from the Regional Inuit Association Land Manager was sought, however permitting protocol was followed
11. Is the camp or any aspect of the project located on:
☒ Crown Lands Permit Number (s)/Expiry Date: N 199950050 06/10/2001
☐ Commissioners Lands Permit Number (s)/Expiry Date: _____
☐ Inuit Owned Lands Permit Number (s)/Expiry Date: _____
12. Closest Communities (distance in km):
Kugluktuk
Bathurst Inlet
13. Has the proponent notified and consulted the nearby communities and potentially interested parties about the proposed work?
Work in the past has been in conjunction with local consultation. Proposed work will be preceded by similar consultation.
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
☐ Tourism (hunting, fishing, wildlife observation, adventure/expedition, etc.)
(Omit questions # 16 to 21)
☐ Other _____ (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: Sonic Drilling

17. Type of deposit:

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

DRILLING INFORMATION

18. Drilling Activities

- ☒ Land Based drilling
- ☒ Drilling on ice (minimal)

19. Describe what will be done with drill cuttings?

All drill cuttings will be removed from ice surface (drilling on ice).
Drilling wastes to be deposited into natural depression (sump) on surface targets.

20. Describe what will be done with drill water?

Drill water will be returned to settling tanks whereby suspended solids may be allowed to settle, water to be deposited into natural depression > 40m from any watercourse.

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.

Peladown
Linsed Soap
Big Bear Drill Rod Grease
WDS 120 Liquid Polymer
550X Powdered Polymer
Lub Tub

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

Core will be logged at site. No chemical testing will be done.
Minor amounts of splitting of core may be done in accordance with successfullness of program.

SPILL CONTINGENCY PLANNING

23. Does the proponent have a spill contingency plan in place? Please include for review.

Please see attached

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

Two spill kits will be at the camp site, a spill kit will also be placed at the drill, any fuel caches will also be supplied with spill kits (4)

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

Aviation Fuel, Wide Cut Type - approx 50 x 210 L sealed drum
Gasoline Unleaded - approx 5 x 210 L sealed drums
Diesel Fuel - approx 5 x 210 L sealed drums

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

Lakes and ponds in area of project. No rivers to be used as water sources

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

☐ Domestic Use:	<u>300 L/day</u>	Water Source:	<u>lake</u>
☐ Drilling Units:	<u>20,000 L/day</u>	Water Source:	<u>small lakes in area</u>
☐ 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 is to be pumped daily from lake into a holding tank.
water intake is equipped with a mesh screen

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

Drinking water quality will be monitored in accordance with any existing regulations.

30. Will drinking water be treated? How?

No

31. Will water be stored on site?

Yes, max 100 L on daily basis.

WASTE TREATMENT AND DISPOSAL

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

☒ Camp Sewage (blackwater)

outhouse located 740m from water source

☒ Camp Greywater

Sump located >40m from water source

☐ Solid Waste

☒ Bulky Items/Scrap Metal

Removed from site, shipped to Yellowknife

☒ Waste Oil/Hazardous Waste

Waste Oil from machine (generator) shipped to Yellowknife

☒ Empty Barrels/Fuel Drums

Returned to dealer for deposit refund

☐ Other:

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

Barrel incineration daily for combustibles

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

see above

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

N/A

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?

Yes.

ABANDONMENT AND RESTORATION

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

All materials to be removed from site and land restored to as natural state as possible

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

Wildlife Logs (can be provided upon request)

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.

RIC/MÉTRIQUE



