APPENDIX C

PACIFICA RESOURCES LTD.

NWB Water License Application

Exploration/Remote Camp Supplementary Questionnaire

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EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: Pacifica Resources Ltd. ("PACIFICA") **License No:** _____
(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Environnent Manager:

Pamela Ladyman
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2. Project Manager:

Jason Dunning
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Email: jdunning@pacificaresources.com

3. Does the applicant hold the necessary property rights?

Yes. The Yava Property consists one Mining Lease No. 3175 and four groups of contiguous mineral claims. The mining lease is held by Pacifica Resources Ltd., Suite 701, 475 Howe Street, Vancouver, B.C. V6C 2B3. It is subject to a 10% carried net-profit interest retained by the estate of S. M. Roscoe. The four claim groups are held wholly by Pacifica Resources Ltd. without other party involvement.

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, Pacifica Resources Ltd., the applicant, is the "operator".

5. Duration of the Project

[X] Multi Year:
If Multi-Year indicate proposed schedule of on site activities

Start: *June 01, 2005*
Completion: *June 01, 2007*

CAMP CLASSIFICATION

6. Type of Camp

[X] Seasonally Occupied: June to October

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?

Maximum camp capacity will be for 30 people. Personnel may fluctuate between 15 to 25 people depending on the nature and schedule of the exploration program. It is expected that an average of 17 people will be in camp over the course of the exploration program.

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

The Yava Main Camp (65°34'W, 108°02'N) was first used extensively in 1974-76 by Brascan Resources Limited during their preliminary mapping and drill program on the Yava Property. The camp was situated on a, esker buttressed along a north-east to south-west water-course known as Retort Lake. A total of six wood-tents, one cook tent, one wash tent, one salt storage, two fuel caches, one helicopter pad, and one garbage pit with accompanying incinerator accommodated twenty workers. Included were propane stoves, electric freezers and refrigerators, and an office with electricity. The camp was used from mid July to early September for the purpose of geological, geophysical, and other various exploration programs excluding diamond drilling.

In the early 1980, when Westmin Resources Limited was the owner and operator of the Yava Property, the Yava Main Camp was decommissioned and all structures and equipment was removed form the site. Currently, there are no artificial structures at the 1975-76 Yava Main Camp.

CAMP LOCATION

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

The Yava Property is approximately 450 km northeast of Yellowknife, in the Mackenzie Mining District, Territory of Nunavut, Canada. It is between the Hackett and Back Rivers, and centered at 65°36'N and 107°56'W within map sheet NTS 76/G-12 (Figure 1). The Yava Property is north of the tree line, in tundra. Vegetation is mostly moss, lichen, and low shrubs. The relief is gentle, varying between 300 and 420 meters above sea level. Rock exposure is abundant except for valleys, which are covered with glacial debris, and eskers that are snake-like in the direction of Quaternary ice flow. Shallow to moderately deep lakes are abundant. The Yava Main Camp is situated on and is sheltered by a sandy esker.

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.

Retort Lake is not located on Inuit Owned Lands. Assistance from the Regional Inuit Association Land Manager was not sought although they have been formally notified of Pacifica's presence in the area. Reinstalling an exploration camp on Retort Lake by the 1974-76 Yava Main Camp was a decision based on the following:

a) Retort Lake is one of few lakes that is deep enough to land a float plane;

b) Retort Lake is buttressed against a sandy esker and is therefore naturally sheltered;

c) Retort Lake is buttressed against a sandy esker and is therefore a well drained site, permitting better maintenance of water use and discharge as well as serving as a good foundation to build solid structures and sumps.

d) Retort Lake is only 10 kilometers southeast of the project area.

e) Retort Lake is an abundant source of clean water for domestic consumption; and

f) Operations based out of Retort Lake has proved successful for both Brascan Resources Limited and Westmin Resources Limited.

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

[X] Crown Lands Permit Number (s)/Expiry Date: In Progress
[ ] Commissioners Lands Permit Number (s)/Expiry Date: _____
[X] Inuit Owned Lands Permit Number (s)/Expiry Date: In Progress

12. Closest Communities (distance in km) to the Yava Properties:

City	Coordinates	Distance from Yava
Umingmaktok	(Lat. 67°42'N, Long. 107°54'W)	240 km
Kugluktuk	(Lat. 67°50'N, Long. 115°06'W)	467 km
Cambridge Bay	(Lat. 69°07'N, Long. 105°03'W)	480 km

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

Nearby communities and interested parties have been notified by telephone of the proposed work.

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?

Although drilling activates may temporarily disturb natural vegetation in a very local space (i.e. setting the drill down on top soil, water discharge overland resulting from drilling activities, etc.), no significant impacts on traditional water use areas or on local fish and wildlife habitats is foreseen based on the exploration plan set out by Pacifica on the Yava Property.

PURPOSE OF THE CAMP

15. ☑ ***Mining***

16.
- ☑ ***Preliminary site visit***
- ☑ ***Prospecting***
- ☑ ***Geological mapping***
- ☑ ***Geophysical survey***
- ☑ ***Diamond drilling***

17. Type of deposit:

☑ ***Lead Zinc***
○

DRILLING INFORMATION

18. Drilling Activities

☑ ***Land Based drilling***

19. Describe what will be done with drill cuttings?

All drill cuttings and sludge will be removed from the ice surface. Mud will not be used in connection with holes drilled through lake ice.

All drill cuttings will be disposed of and contained on land in a sump located thirty (30) meters from the high water mark of any adjacent water body.

20. Describe what will be done with drill water?

All drill waters that can be re-circulated will be re-circulated. Mud will not be used for holes drilled through lake ice.

All drill cuttings will be disposed of and contained on land in a sump located at least thirty (30) meters from the high water mark of any adjacent water body.

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.

Please see appendix I

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

Diamond drill core will be split using a rock splitter and sent off sight for assay. No geochemical testing will be carried out on site by Pacifica Resources Ltd. or any of its contractors.

SPILL CONTINGENCY PLANNING

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

Yes, please refer to Appendix E.

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

Spill kits will be stationed at fuel caches, in camp, and at the generators, and at all drill locations. In total, there will be at least four spill kits on site with spill kits provided by the drill contractors at the drill sites.

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

Type	Quantity	Storage method	MSDS
Jet-B	264 45-gallon-barrels	Above ground	Please see appendix D
Diesel	180 45-gallon-barrels	Above ground	Please see appendix D
Propane	36 100lbs containers	Above ground	Please see appendix D

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

Water of the Retort Lake Camp will be extracted form Retort Lake, located at 65°34'W, 108°02'N. Waters of the drill program will be extracted from various sources (lakes and rivers) adjacent to the drill sites.

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

- ✓ Domestic Use: 13,620 L/day/30 people — Water Source: Retort Lake
- ✓ Drilling Units: 46,080 L/day/drill — Water Source: Various sources

28. Describe water intake for camp operations? Is the water intake equipped with a mesh screen to prevent entrapment of fish? Describe:

Water will be supplied by a one-inch-line jet-pump contained in a meshed basket. This meshed basket is designed to prevent any materials, especially fish, other than water to enter the supply pump or to be entrapped in any way by the pump unit.

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

Water quality will be monitored on a biweekly basis in camp to ensure the parameters are consistent with the Canadian Drinking Water Criteria. If required, tests will be carried out to identify the following items:

Alkalinity	*Hardness*	*Phenols*
Ammonia	*Hydrogen sulphide*	*Potassium*
BOD5	*Iron*	*Sodium*
Calcium	*Magnesium*	*Sulphate*
Chloride	*Manganese*	*Tannin and lignin*
Color	*Nitrate*	*Total Dissolved Solids*
Conductivity	*Nitrite*	*Total Kjeddahl Nitrogen (TKN)*
Chemical Oxygen Demand	*PCBs*	*Turbidity*
Fluoride	*pH*	*Heterotrophic plate (HPC)*
E. coli	*Fecal streptococci*	*Total and Fecal coliform*

30. Will drinking water be treated? How?

Drinking water will be treated using the following phases:

Particulates and suspended solids	filtration (3µ)
Bacteria/other water borne microbes	UV lamp
Color and odor	Charcoal filter

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)

All outhouses will be treated with lime and filled in upon completion. All other sewage will be contained in a sump located thirty (30) meters or more from the ordinary high water mark of

all water bodies. Special care will be taken to ensure greywater will not directly flow into a water body

☑ Camp Greywater

All greywater will be contained in a sump located thirty (30) meters or more from the ordinary high water mark of all water bodies. Special care will be taken to ensure greywater will not directly flow into a water body.

☑ Solid Waste

All solid waste that is combustible will be incinerated. All incombustible waste will be backhauled to Yellowknife and disposed of in an approved waste disposal site.

☑ Bulky Items/Scrap Metal

Scrap metal and other bulky wastes will be stored according to health and safety regulations and will not be buried for any reasons. Bulky items, including scrap metal waste, will be backhauled to Yellowknife and disposed of in an approved waste disposal site.

☑ Waste Oil/Hazardous Waste

Waste oil and non-combustible waste generated through the course of the operation will be backhauled to Yellowknife and disposed of in an approved waste disposal site.

☑ Empty Barrels/Fuel Drums

Empty barrels and fuel drums will be backhauled to Yellowknife and disposed of in an approved waste disposal site.

○ Other:

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

An incinerator system will be provided by the camp provider contracted by Pacifica Resources Ltd. Although a specific type and model of the incinerator is not known as this point, it is the company's policy that all solid domestic waste that is combustible will be incinerated.

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

All incombustible waste will be backhauled to Yellowknife, NWT, and disposed of in an approved waste disposal site.

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

All sumps pertaining to the Retort Lake Camp will be located on sandy esker at least thirty (30) meters from all water sources and will be prevented from draining directly into all water sources. Ideally, to install sumps on these sandy eskers, a three by four feet hole is dug in the ground in an area that is a natural depression. The sumps will be covered by plywood at all times and treated with lime on a regular basis.

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

Leachate monitoring will not be done.

OPERATION AND MAINTENANCE

37. Have the water supply and waste treatment and disposal methods been used and proven in cold climate?

Yes.

What known O&M problems may occur? What contingency plans are in place?

N/A. Project activities including water supply, waste treatment and disposal methods will not be active during extreme cold weather periods. However, in the event of a sudden extreme cold weather period during the months of mild weather, additional high-pressure supply pump hose-lines will be available on site to replace any line damaged by cold weather. Waste disposal methods will not be altered by cold weather conditions.

ABANDONMENT AND RESTORATION

Upon completion of each exploration period:

a) all wall tents will be removed of their canvas covers and backhauled to Yellowknife;

b) all fuel in camp will be placed into the wall tent floors to remove them from the ground;

c) all fuel caches will be consolidated and all empty fuel drums will be backhauled to Yellowknife to be disposed of in an approved waste disposal site throughout the exploration program period. No empty fuel drums will be left on site;

d) all incombustible garbage, bulky items, scrap metal, and waste oil will be backhauled to Yellowknife to be disposed of in an approved waste disposal site;

e) sumps will be treated with lime and covered over;

f) all outhouses will be filled in; and

g) all mechanical equipment, including water line and supply pumps, will be collected and backhauled to Yellowknife for maintenance and storage.

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:

None of the above baseline information will be collected as part of this project

REGULATORY INFORMATION

40. Do you have a copy of

- ✓ Article 13 - Nunavut Land Claims Agreement
  Yes
- ✓ NWB - Water Licensing in Nunavut - Interim Procedures and Information Guide for Applicants
  Yes
- ✓ NWB - Interim Rules of Practice and Procedure for Public Hearings
  Yes
- ✓ NWTWB - Guidelines for the Discharge of Treated Municipal Wastewater in the NWT
  Yes
- ✓ NWTWB - Guidelines for Contingency Planning
  Yes
- ✓ DFO - Freshwater Intake End of Pipe Fish Screen Guideline
  Yes
- ✓ Fisheries Act - s.35
  Yes
- ✓ RWED - Environment Protection- Spill Contingency Regulations
  Yes
- ✓ Canadian Drinking Water Quality Guidelines
  Yes
- ✓ Public Health Act Camp Sanitation Regulations

Yes

☑ Public Health Act Water Supply Regulations

Yes

☑ Territorial Land Use Act and Regulations

Yes

You should consult the above document, guidelines, and legislation for compliance with existing regulatory requirements.