PACIFIC RIDGE EXPLORATION LTD.

Submission to the NIRB
Screening Part 2 Form
Project Specific Information Requirements

BAKER LAKE PROJECT

JUNE 2006

Part 2 Project Description

General Information

1) Name and Location of Project

The Baker Lake Property is located at:

West Boundary- 96 °W Longitude
East Boundary - 94° 45´ W Longitude
North Boundary - 64° N Latitude
South Boundary - 63º N Latitude

The main drill camp will be located at the West side of Bissette Lake approximate UTM co-ordinates - 7075500N, 379000E. The camp will support a uranium exploration program.

2) Contact Information

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3) List of Act, Regulations, and Guidelines that Apply to Project Activities

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 MunicipalWastewater 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
Canada Mining Regulations

4) List of Approvals, Permits and Licenses Required

a) Prospecting Permits: 4850, 4853, 4854, 4859, 4860, 4861, 4863, 3361, 6678, 6679, 6680, 6976
b) Land Use Permit: application submitted to Department of Indian and Northern Affairs Canada
c) Water License: application submitted to Nunavut Water Board
d) Land Use & Water Use Licence: application submitted to Kivalliq Inuit Association

Project Information

5) History

The Baker Lake uranium project covers 500,000 acres of land in the Kivalliq district of central Nunavut. Historic exploration has outlined several uranium targets and zones of uranium mineralization throughout a sixty kilometre length along the southern unconformable contact of Baker Lake Basin. Compilation of historic data has outlined drill targets for the discovery of uranium mineralization.

Prior explorers completed airborne radiometric surveys in 1969 and 1974 that defined a trend of uranium targets along the 60 kilometre length of the southern boundary area of the Baker Lake Basin. Intermittent follow-up exploration programs by New Continental Oil, Pan Ocean, Cominco and Noranda during the period 1969 thru 1981 outlined 'in place' as well as glacial boulders containing uranium mineralization. No significant uranium exploration has been reported in the area since the early 1980s.

Radiometric anomalies were followed by ground surveys and limited drilling programs as further described below. Additional regional targets that did not see ground follow-up will form part of Pacific Ridge's 2006 exploration program.

6) Regional Location Map

See attached.

7) Maps of Project

See attached.

8) Type of Mineral Resource

Uranium.

9) Project Purpose and Need

The purpose of the Baker Lake Project is to explore areas where previous exploration had located Uranium mineralization. Preliminary compilation by Pacific Ridge has already

outlined drill targets prospective for discovery of uranium mineralization. Pacific Ridge is planning an active season of surface examination of all targets followed by drilling later in the season.

10) Alternatives

There are no alternatives to the project or project components.

11) Type of Exploration Activity

The proposed program will consist primarily of surface reconnaissance, geological mapping, prospecting, ground geophysics and diamond drilling.

12) Activities Included In Project

- Soil Sampling

Soil samples will be collected. All sampling will be carried out on foot, supported by helicopter. This activity will have little to no disturbance.

- Geological Mapping and Prospecting

Mapping and Prospecting will be conducted on foot, supported by helicopter. This activity will have little to no disturbance.

- Geophysical Surveys

Ground geophysics will be conducted on foot, supported by helicopter.

- Diamond Drilling

Diamond drilling will be conducted using a helicopter portable drill rig. The drill will moved by helicopter. The helicopter will also move personnel to and from the drill and to transport the drill core.

- Camp

Main drill camp - West side of Bissette Lake approximate UTM co-ordinates - 7075500N, 379000E
Fly camp proposed locations-
1) West side Shane Lake - approx UTM co-ordinates - 703000N, 400000E
2) NE of Shane Lake - approx UTM co-ordinates - 706000N, 404000E

- Fuel Transport and Storage

The fuel for the project will delivered by Twin Otter from Baker Lake. The fuel cache will be located at the camp in an area which forms as much of a natural depression as is available while maintaining a distance of a minimum of 100 metres from the high water mark of any nearby waterbodies. The aviation fuel, diesel, and unleaded gasoline are contained in 205 litre drums. Each drum will be inspected immediately upon delivery to the cache site to ensure that there has been no damage during transport. Daily inspections will be conducted of the fuel cache. All fuel will be stored accordingly with all terms, conditions and requirements of licences and permits issued for this project.

- Chemical Transport and Storage

Lubricants and drill additives will be stored in a floored tent. Pacific Ridge will register with EPS and a waste manifest will accompany all movements of hazardous waste.

13) Department of Fisheries and Oceans (DFO) Operational Statement (OS) Activities

Not applicable.

14) Not applicable.

15) Not applicable.

Geophysical

16) Only ground geophysical surveys will be conducted. The exact locations are still being determined.

17) Not applicable.

Drilling

18) A total of 15 diamond drill holes (2000 metres) are planned to test targets defined by previous work.

19) MSDS sheets for drill additives can be found in Appendix III of the Spill Contingency Plan.

20) All drill cuttings will be retained in a sump located a minimum of 31 meters from the normal high water mark of any water body. The sump will be back filled upon completion of the hole.

21) The drill water will be re-circulated otherwise pumped to a sump.

22) The drill will be mobilized by helicopter.

23) The drill will be dismantled into its main components by the drilling contractor. The drill will be flown out by helicopter. All drill sites will be inspected for soil contamination. Any remaining waste will be taken to camp to be burned or flown out to an approved disposal location (approval pending). Greywater and sludge sumps will be filled and leveled. As much as possible, drill sites will be restored immediately after the drill has been moved to the next site. For more information please refer to the Abandonment and Reclamation Plan.

24) In general the exposure to radiation at this stage of exploration is not considered a great risk. However, Pacific Ridge will monitor to ensure the safety of employees and to ensure that there is no potential impact to the environment. Pacific Ridge has a booklet called " Safety Manuel" that covers all aspects of exploration field safety and in particular uranium exploration and can be supplied upon request.

Transport

25) The site will be accessed by air from Baker Lake. Twin Otters may be used for the transport of camp equipment and fuel. These planes will be equipped with tundra tires. The site will mainly be accessed by helicopter.

26) There is no formal landing strip proposed at this time.

Camp Site

27) The proposed main camp will consist of the following:

- 1 first aid/storage tent
- 1 dry tent
- 1 kitchen tent
- 1 office tent
- 3 sleep tents
- 1 generator shack
- 1 toilet shack
- Fuel storage area
- Burn area for combustible waste

28) The proposed camp is temporary but will be used for more than one season.

29) The maximum number of people at the camp will be approximately 14.

30) Power will be supplied by a generator.

Equipment

31) The main equipment that will be utilized in the project are:

- helicopter – Bell 206 or Hughes 500 D
- Boyles 25HH Diamond Drill - approximately 3m by 3m
- generator – 5 – 10 kw
- water pump for camp and drill – small

32) Digital photos of equipment are not available at this time but can be taken this field season and provided in the annual report.

33) The equipment will be moved by helicopter within the project area.

Water

34) The water source for the camp will be Bissett Lake. Water sources for the diamond drilling will lakes and or ponds close to the individual drill sites.

35) Water consumption for the camp is estimated to be 100 litres/person/day and 15,000 litres per day for the diamond drilling. Exact volumes of water consumption will be reported on in the annual reports.

36) The intakes of the water pumps will be equipped with a screen, with a mesh size small enough to prevent any danger to fish. Pumping rates will be sufficiently low so as to prevent the impingement of fish on the pump intake screen.

Waste

37)
a) Sewage – latrine sumps. The latrine sumps will be treated with lime if necessary and/or as advised by the Water Resource Officer and back-filled for closure. Average amount generated will be approximately 0.02 cubic metres per day.
b) Camp greywater will be discharged into a sump. The sump will be located a minimum of 31 metres from the normal high water mark of any waterbody unless otherwise specified in the terms and conditions of permits and licences. Average daily discharge will be approximately 3 cubic metres per day.
c) Combustible solid waste will be incinerated daily in a modified 45 gallon drum.
d) Noncombustible waste will be back-hauled to an approved Solid Waste Disposal Facility.
e) Bulky and scrap metal items will be removed from site for proper disposal, recycling and/or re-use.
f) Waste oil will be removed from site for proper disposal. All potential hazardous waste such as batteries, aerosol cans, paint cans, etc. are routinely collected and shipped for proper disposal. These materials will be registered and have a waste manifest.
g) Empty fuel drums will be returned to Baker Lake and later barged south for recycling.

Fuel

38)

Fuels	Number of Containers	Capacity of containers (gal & litre)
• Diesel	**15**	205 litres
• Gasoline	**2**	205 litres
• Aviation fuel	**15**	205 litres
• Propane	**6, 10**	100 lbs, small cylinders

Fuel will be stored at a fuel storage area at the camp. Exact location has not been finalized yet as the area needs to be ground-truthed to find a suitable area that will ensure no possible entry of any contaminants in to any waterbodies.

39) Please refer to the Spill Contingency Plan for detailed information on how spills will be handled. The fuel storage area will be located a minimum of 100 metres from the normal high water mark of any waterbody and will be located in a natural depression if possible. A spill kit will be located at the fuel cache.

40) The fuel will be transferred from the 205 litre drums to the equipment needing refueling using manual or battery powered pumps.

Chemical and Hazardous Materials

41) The main chemicals present on the site will consist of drill additives which will be stored at the camp and at the drill. These products will be stored in a tent with a wooden floor. The quantities have not yet been determined.

42) Chemical and hazardous materials will be stored in a tent with a wooden floor. In the event of a spill, the type of spill as well as the location and volume of the spill will dictate the clean up actions required. For more information please refer to the Spill Contingency Plan.

43) Chemical and hazardous materials will be transported according to transportation rules and regulations. The drill additives will be transferred according to the manufacturers guidelines and the operating procedures of the drill contractor. Pacific Ridge will register with EPS and will ensure that waste manifests accompany all products.

Explosives

44) Not applicable.

Public Involvement / Traditional Knowledge

45)

a) Mayor Baker Lake - David Aksawnee - Phoned two times once on March 21, 2006, Introduced ourselves (the company), and discussed the program. Informed the Mayor that we would be flying helicopter near town and asked if that would create problems. He said no because airstrip is a ways out of town. We also asked about using the land fill for non-combustible waste from camps.

b) Baker Lake KIA- Hue Nakilaag - Discussions March 31, 2006 and May 3, 2006. Introduce company and upcoming summer exploration company discussions re: land fill.

c) Hunters and Trappers Association- Discussions with Elijah Amarook April 7, 2006. Introduce company, discuss exploration. No concerns were raised.

d) Boris and Elizabeth Kotelewetz - Baker Lake Lodge, had many discussions between March and June. Pacific Ridge will be using Baker Lake Lodge as base of operations for its 2006 exploration programs.

e) Alexis Utatnaq – Adult Learning Centre, discussed young prospectors course and recent graduates for potential hire.
Pacific Ridge plans to conduct community consultation meetings and community presentation upon field personnel and management arriving in Baker Lake.

Part 3 Description of the Existing Environment

Physical Environment
The Baker Lake Project is located south of Baker Lake in Nunavut Territory. Baker Lake is located on tidewater making it accessible by oceangoing barge for approximately six weeks each year. The project area is completely within the sub-Arctic barren lands north of the tree line. The tundra is flat to gently rolling with topographic relief ranging generally between 150 and 300 metres above sea level. There are several eskers in the area and the tundra is underlain by continuous permafrost.

The summer field season is limited to the period from late May to late September due to the Arctic climate. One of the challenges for operating a camp and drill program in early months is finding a lake that is deep enough to support a camp providing an adequate fresh water supply without any potential impact to the littoral zone. Generally the larger lakes become ice free by the middle of July each year.

The Kazan River flows for 850 km northwards from Kasba Lake to the south shore of Baker Lake. This 5,000 km2 drainage basin traverses the transition zone between the boreal forest of black spruce and tamarack and the tundra. This significantly adds to the biology of the river corridor.

Geologically – Attached is some information on the geology of the area.

Biological Environment
The Baker Lake Project area is located within the Southern Arctic Ecozone. Vegetation in this area consists mainly of grasses, moss, lichen, low growing shrubs, and a variety of other small plants. Wildlife that can be present in the area include; Caribou, Arctic Wolf, Grizzly Bear, Wolverine, Arctic Fox, Arctic Ground Squirrel, Arctic Hare, and Lemming. The Grizzly Bear, Wolverine and Arctic Wolf are all recognized as sensitive species.

Flocks of migrating waterfowl, loons and swans are known to pass through the area during their spring and fall. Willow and Rock Ptarmigan, Rough-legged Hawk, Lapland Longspurs, a variety of Gulls, Arctic Terns and a number of other birds are common in the summer. Many of these birds show fidelity to nesting areas and return to the same sites year after year.

The Caribou migrate north in the spring. They migrate through the project area and utilize a number of water crossings along the Kazan River. The project is also located within areas that are designated as Caribou Protected areas for both water crossings and buffer zones. Data published by the BQCMB currently indicates that there are caribou calving areas located to the northeast and west/southwest of the project area. Please refer to the Environmental Protection Plan for more information.

Socioeconomic Environment
The project area is to the south of Baker Lake. The Kazan River is an important area to the people of the area. There are many known heritage and archaeological sites. Pacific Ridge will work closely with the community of Baker Lake to ensure that no areas are disturbed and that sensitive areas are avoided and respected.

Part 4 Identification of Impacts

1) See attached Table

2) We do not anticipate any long term environmental impacts in relation to the described project. Minor disturbances to the surface may be caused by the drilling and the camp but these areas will all be reclaimed immediately upon completion of the drill sites and the program. All geological, prospecting, and geophysical work will be conducted on foot which will cause little to no impact. Every effort will be made to ensure that helicopter flights do not cause any harassment to wildlife or disturb local Baker Lake residents who may be out on the land. This will require on-going communication. Please refer to the Environmental Protection Plan for more information.

3) At this early stage of exploration the socioeconomic impacts are somewhat limited. Wherever possible, supplies will be purchased from local businesses and services. People from the community of Baker Lake will be hired for all available positions.

4) We do not anticipate any transboundary effects from this project.

Part 5 Mitigation of Impacts

1) Please refer to the Environmental Protection Plan.

Part 5 Cumulative Effects

1) At this stage it is difficult to determine the potential cumulative effects from this project. The size and scope of any future project will be determined by the results of the exploration program.