



PART 1 FORM PROJECT PROPOSAL INFORMATION REQUIREMENTS

For more information about the Nunavut Impact Review Board (NIRB) please visit our web site <http://nirb.nunavut.ca/> or to access NIRB documents, project screenings, and project reviews please visit the Nunavut Impact Review Board ftp site <http://ftp.nunavut.ca/nirb>.

IMPORTANT!

Please be advised that your application will not be processed until the Sections 1 - 9 are completed in their entirety, in both English and Inuktitut (+ Inuinnaqtun, if in the Kitikmeot).

SECTION 1: APPLICANT INFORMATION

1. Project Name NANUQ PROJECT – Renewal Application

2. Applicant's full name and mailing address:

Shirley Standafer-Pfister, Peregrine Diamonds Ltd.
201 - 1250 Homer Street
Vancouver, BC V6B 1C6

Phone: (250) 686-1769

Fax: (604) 408-8881

Email: shirley@pdiam.com

3. Primary contact's full name and mailing address:

Shirley Standafer-Pfister, Peregrine Diamonds Ltd.
201 - 1250 Homer Street
Vancouver, BC V6B 1C6

Phone: (250) 686-1769

Fax: (604) 408-8881

Email: shirley@pdiam.com

SECTION 2: AUTHORIZATION NEEDED

1. Indicate all authorizations associated with the project proposal:

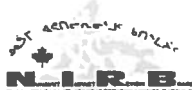
☐	Regional Inuit Association (RIA)
☒	Nunavut Water Board (NWB)
☒	Nunavut Planning Commission (NPC)
☒	Indian and Northern Affairs Canada (INAC)
☐	Department of Fisheries and Oceans (DFO)
☐	Community Government & Services (CG&S)
☐	Nunavut Research Institute (NRI)
☐	Department of Culture, Language, Elders, and Youth (CLEY)

☐	Canadian Launch Safety (CLS)
☐	Environment Canada (EC)
☐	Government of Nunavut (GN)
☐	Department of National Defence (DND)
☐	Hamlet
☐	Parks Canada (PC)
☐	Canadian Wildlife Service (CWS)
☐	Other (please specify):

2. List the active permits, licences, or other authorisations related to the project proposal, and their expiry date(s):

NWB Type B Water Licence #2BE-NAN0813 – 31 May 2013

INAC Class A Land-Use Permit #N2007C0039 – 13 June 2013 (final extension)



3. List the pending permits, licences, or other authorisations related to the project proposal:

N/A

4. Has this project or any components of this project been previously screened or reviewed by NIRB?

X **YES** ☐

☐

If YES, indicate the previous project name and NIRB File No.

Nanug Project – NIRB #08EN002 (28 March 2008 – initial screening,
23 November 2009 – amendment #1 screening)

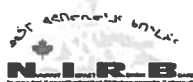
SECTION 3: PROJECT PROPOSAL DESCRIPTION

1. Indicate the type of project proposal (check all that apply)^(1,2):
(See Appendix A for Project Type Definitions)

1	All-Weather Road/Access Trail	☐	9	Site Cleanup/Remediation	☐
2	Winter Road/ Winter Trail	☐	10	Oil and Natural Gas Exploration/Activities	☐
3	Mineral Exploration	X	11	Marine Based Activities	☐
4	Advanced Mineral Exploration	X	12	Scientific/International Polar Year Research*	☐
5	Mine Development /Bulk Sampling	☐	13	Harvesting Activities*	☐
6	Pits and quarries	☐	14	Tourism Activities*	☐
7	Offshore Infrastructure (port, break water, dock)	☐	15	Other ⁽²⁾ :	☐
8	Seismic Survey	☐			☐

Please note:

- All project types listed above, except those marked with an asterisk (*), will also require the Proponent to submit a **Part 2 Project Specific Information Requirement (PSIR) Form**. The NIRB application process will not be considered complete without the Part 2 PSIR Form.
- Please be advised that in order to complete the NIRB process, the NIRB may request additional information at any time during the process.
- If "Other" is selected, contact NIRB for direction on whether a Part 2 PSIR Form is required.



2. If Project Type 3, 4 or 5 was selected above, please indicate the mineral of interest that is being extracted. Include a brief description.

☐	Base Metals (zinc, copper, gold, silver, etc)
☒	Diamonds (<u>Diamondiferous kimberlite is being sought</u>).
☐	Uranium
☐	Other: _____

- 3a. If Project Type 13, 14 or 15 was selected above, complete the table and questions below.

Transportation Type	Quantity	Proposed Use	Length of Use
Helicopter	1	Use for emergencies and crew movement.	up to 12 weeks/ year
Twin Otter	1	Set up + supply Nanuq Camp + demobe	up to 12 weeks/ year
Skidoos	4	Travel within camp and to/from drillsites	up to 12 weeks/ year

- 3b. Describe any docks, piers, air strips or related structures that are to be used in conjunction with the proposed project activities. **Please note:** the building of new structures may require a Part 2 Form.

An existing natural-sand strip already approved for use will continue to be used as an airstrip. It is located at: 65° 13' 16" N. lat. – 91° 05' 00" W. long., in NTS 56G/03.

- 3c. If a temporary camp site is to be established, describe the proposed structures in detail and indicate the type and source of power for the camp site if applicable.

The existing tent camp used seasonally was moved in its entirety 1 km NW in 2008, on the same natural-sand area. The camp will continue at this current location, accommodating up to 24 people in up to 6 sleep tents (*see Map 3, existing camp layout*), a kitchen, dry, office, first-aid shack, core shack, generator shed, latrine and incinerator, as well as a helicopter landing area and camp-based fuel cache. Power will be supplied by a 20kW (approx.) diesel generator, with a 10kW (approx.) backup genset.

4. Personnel

Total No. of personnel on site = (A)	24	Total No. of days on-site = (B)	84	Total No. of Person days (A) × (B) =	2016
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5. Timing

Period of operation: from 20 March 2013 (if winter programme) to 01 June 2013 (end of possible winter drilling)

Proposed term of authorization: from 01 June 2013 to 01 June 2018 (5-year renewal of water licence)

6a. Region (check all that apply):

☐ North Baffin	☒ Kivalliq	☐ Kitikmeot	☐ Transboundary: _____
☐ South Baffin	☐ National Park		



6b. Describe the location of the proposed project activities in a regional context, noting the proximity to the nearest communities and any protected areas.

Nanuq Project is located at the southern boundary of Ukkusiksalik National Park, approx. 12km S of the closest point on Brown Lake, 30km S of Wager Bay, 230km SW of Repulse Bay, 220km N of Chesterfield Inlet, 275km NNE of Rankin Inlet and 270km NE of Baker Lake.

6c. Discuss the history of the site if it has been used for any project activities in the past.

Peregrine has conducted exploration under the current water licence and land-use permit since 2008. At present, Nanuq Project is comprised of 129 mineral claims, down from the 206 claims that existed when the 2008 permit and licence were issued.

6d. Indicate if there are any known archaeological/palaeontological historical sites in the area.

There were no archaeological sites registered in the Nanuq Project area when the 2008 permit and water licence were granted. Peregrine conducted an archaeological assessment in August 2010 (*CLEY Permit #10-004A*), resulting in the discovery of 7 sites, mainly tent rings of the Thule period along the Lorillard River. Peregrine has had an archaeological protocol (see *Appendix 4*) in place for this area even before the current permit and water licence.

7. Land Status (check all that applies):

☒ Crown ☐ Commissioners' ☐ Municipal
☐ Inuit Owned Surface Lands ☐ Inuit Owned Sub-Surface Lands

8a. Co-ordinates:

Min Lat (degree/minute)	65° 09' 58.19"	Min Long (degree/minute)	90° 19' 58.72"
Max Lat (degree/minute)	65° 37' 08.13"	Max Long (degree/minute)	91° 20' 55.35"

NTS Map Sheet No: 56G/01-02; 56G/06-08; 56G/10-11.

(Please ensure that maps of the project are attached (1:50,000 if available, 1:250, 000 **Mandatory**) available from Natural Resources Canada)

8b. If the project proposal includes a **camp**, please provide the co-ordinates of the camp location

NANUQ CAMP

Min Lat (degree/minute)	65° 13' 34"	Min Long (degree/minute)	91° 05' 23"
Max Lat (degree/minute)		Max Long (degree/minute)	

If different from above for the camp:

NTS Map Sheet No: Camp is in NTS 56G/03. (Claim covering the camp was allowed to lapse).

Please ensure that maps of the project are attached (1:50,000 if available, 1:250, 000 **Mandatory**) available from Natural Resources Canada

Please note that additional location information may be required in a subsequent Project Specific Information Requirement (PSIR) submission. This may take the form of a digital Geographic Information Systems (GIS) file.

SECTION 4: NON-TECHNICAL PROJECT PROPOSAL DESCRIPTION



Please include a non-technical description of the project proposal, no more than 500 words, in English and Inuktitut (+Inuinnaqtun, if in the Kitikmeot). The project description should outline the following:

- The project activities, their necessity and duration;
- Method of transportation;
- Any structures that will be erected (permanent/ temporary);
- Alternatives considered; and
- Long-term developments, the projected outcome of the development for the area and its timeline.

IMPORTANT: IF THE PROPOSED ACTIVITIES REQUIRE SUBMISSION OF A NIRB PART 2 PSIR FORM, PLEASE COMPLETE SECTION 8 ONLY, OTHERWISE CONTINUE ON WITH SECTION 5.

SECTION 5: MATERIAL USE

1. List equipment to be used (including drills, pumps, aircraft, vehicles, etc.):

Equipment type and number	Size – dimensions	Proposed use

2a. Detail fuel and hazardous material use:

Fuel	Number of Containers and Capacity of Containers	Total Amount of Fuel (in Litres)	Proposed Storage Methods
Diesel			
Gasoline			
Aviation fuel			
Propane			
Other			
Hazardous Materials and Chemicals		Total Amount of Hazardous Materials and Chemicals (in Litres)	

2b. Describe the proposed Spill Prevention Plan.

3a. Detail the anticipated daily water consumption rates



Daily amount (m³)	Proposed water retrieval methods	Proposed water retrieval location

3b. Have you applied for a water License with the Nunavut Water Board?

☐ YES

☐ NO

If yes, what class of licence?

☐ Class A Water Licence

☐ Class B Water Licence

SECTION 6: WASTE DISPOSAL AND TREATMENT METHODS

1. List the types of waste associated with the proposed project activities:

Type of waste	Projected amount generated	Method of Disposal	Additional treatment procedures
Sewage (human waste)			
Greywater			
Combustible wastes			
Non-Combustible wastes			
Overburden (organic soil, waste material, tailings)			
Hazardous waste			
Other:			

2. Describe the proposed Waste Management Plan.

SECTION 7: COMMUNITY INVOLVEMENT & REGIONAL BENEFITS

1. List the community representatives that have been contacted and provide the minutes of the meetings if available:

Community	Name	Organization	Date Contacted

SECTION 8: GENERAL QUESTIONS

1. Will you be disturbing any known archaeological sites?



APPENDIX A Project Type Definitions

Access Trail: A project proposal with the objective of providing vehicular access to an area of interest involving minimal alteration to the terrain.

Advanced Exploration: A project proposal with the objective of identifying size, grade, and physical characteristics of a mineral occurrence and to assess the economic and technical feasibility of developing the mineral deposit into a producing mine

All-Weather Road: A project proposal with the objective of road construction for use in all seasons.

Bulk Sampling: A project proposal with the objective of extracting of large samples of mineralized material involving hundreds to thousands of tonnes. Samples are selected as representative of the potential mineral deposit being sampled. May involve crushing/milling (on small-scale)

Harvesting activities: A project proposal with the objective of harvesting animals, marine mammals and/or fish from their natural habitats by means of hunting or trapping for traditional and commercial use.

Marine Based Activities: Any activity occurring in the marine environment, such as vessel use associated with land-based activities or disposal at sea.

*Please note that normal community re-supply or individual ship movements not associated with land-based project proposals shall not be screened by NIRB (Section 12.12.2 of NLCA).

Mine Development: A project proposal with the objective of extracting broken rock with mineralization of sufficient grade and tonnage to sustain commercial mining operations (ore). Mining a body of ore can be achieved by either open pit and/or underground development. Mine development may involve milling. Milling involves treatment of the extracted ore through a combination of mechanical and chemical processes to selectively recover the valuable mineral.

Mineral Exploration: A project proposal with the objective of exploring an area to find geological anomalies. It involves site reconnaissance (ground and/or air) to locate broad and fiscal mineral deposits.

Offshore Infrastructure: A project proposal with the objective of building off loading facilities constructed off the shoreline and connected to the mainland of the marine or freshwater environment. Examples include a jetty, dock, or port facility.

Oil and Gas Exploration/Activities: A project proposal that includes 1) exploration, such as seismic or geological mapping, 2) drilling of oil and gas wells, 3) construction and operation of a pipeline, a gas processing plant or any oil and gas facility within Nunavut.

Pits and Quarries: A project proposal with the objective of pitting, which involves the extraction of granular material (i.e. sands and gravels) and quarrying, which involves the removal of consolidated rock (i.e. bedrock, frozen soil).

Scientific Research: A project proposal with the objective of implementing a series of site activities comprised of observation of phenomena, measurement and collection of data necessary for scientific investigation in designated areas within a limited time period.

Seismic Survey: A project proposal with the objective of conducting a survey to map the depths and contours of rock strata by timing the reflections of sound waves released from the surface. Survey site locations may be offshore (not within 12 nautical miles of any coast), near shore, and extended onshore.

Site Cleanups: A project proposal with the objective of site cleanups (includes DEW line site cleanups), which focuses on the remediation of chemically contaminated soils, stabilization of landfills and dumps, demolition/disposal of infrastructure and debris and monitoring after cleanup is completed.



Tourism Activity: A project proposal with the objective of conducting travel predominantly for recreational, sport or leisure purposes within a designated area and limited time period.

Winter Road: A project proposal with the objective of building a road for winter use by leveling and compacting surface snow and ice. Winter road is removed at end of season.

Winter Trail: A project proposal with the objective of building a trail for winter use by a single pass of a tracked vehicle using a blade, if necessary.



Ծանոթություններ

4. Ընթացիկ և ապագա ծրագրերի իրականացման համար անհրաժեշտ է իրականացնել հետևյալը՝



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Սակայն, անհրաժեշտ է իրականացնել հետևյալը՝

Nanug-dc Լուսնային - ծրագրի իրականացման համար
#08EN002 (March 28, 2008-ի իրականացման համար November
23, 2009-ի - իրականացման համար #1 իրականացման համար)

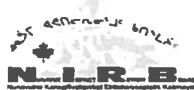
Տեսակ 3: Լուսնային ծրագրի իրականացման համար անհրաժեշտ է իրականացնել հետևյալը՝

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Ծանոթություններ:

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September 10, 2012-Γ
ΔΠΟΔΕΛΑΡΑΝ

[illegible]



☐ YES

☒ NO

Please sign and date your application:

Signature

Manager-Reg. & Environ. Affairs
Title

10 September 2012
Date

