



PART 1 FORM PROJECT PROPOSAL INFORMATION REQUIREMENTS

To access NIRB documents, project screenings, and project reviews please visit the Nunavut Impact Review Board's ftp site <http://ftp.nirb.ca/>. The NIRB's website (www.nirb.ca) is currently under construction. Please contact info@nirb.ca should you have any questions or require further information.

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 Municipality of Pangnirtung
2. Applicant's full name and mailing address:
 John Hussey
 Senior Administrative Officer
 Municipality of Pangnirtung, PO Box- 253, X0A 0R0, NU.
- Phone: 867-473-8953
 Fax: 867-473-8363
 Email: pang_sao@qiniq.com
3. Primary contact's full name and mailing address:
 Bhabesh Roy, M.A.Sc., P.Eng.
 Municipal Engineer, Baffin Region
 PO Box 379, X0A 0S0, NU.
- Phone: 867 899 7314
 Fax: 867-899 -7330
 Email: broy@gov.nu.ca

SECTION 2: AUTHORIZATION NEEDED

1. Indicate all authorizations associated with the project proposal:

| | | | |
|-------------------------------------|--|-------------------------------------|--------------------------------------|
| <input checked="" type="checkbox"/> | Regional Inuit Association (RIA) | <input type="checkbox"/> | Canadian Launch Safety (CLS) |
| <input checked="" type="checkbox"/> | Nunavut Water Board (NWB) | <input checked="" type="checkbox"/> | Canadian Wildlife Service (CWS) |
| <input checked="" type="checkbox"/> | Nunavut Planning Commission (NPC) | <input type="checkbox"/> | Department of National Defense (DND) |
| <input checked="" type="checkbox"/> | Government of Nunavut (GN) | <input checked="" type="checkbox"/> | Environment Canada (EC) |
| <input checked="" type="checkbox"/> | Community Government & Services (CG&S) | <input checked="" type="checkbox"/> | Fisheries and Oceans Canada (DFO) |
| <input type="checkbox"/> | Culture and Heritage (CH) | <input checked="" type="checkbox"/> | Parks Canada (PC) |
| <input checked="" type="checkbox"/> | Nunavut Research Institute (NRI) | <input checked="" type="checkbox"/> | Hamlet |
| <input checked="" type="checkbox"/> | Aboriginal Affairs and Northern Development Canada (AANDC) | <input type="checkbox"/> | Other (please specify): |

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

The Water Licence of the Municipality of Pangnirtung will be expired on September 15, 2017.



3. List the pending* permits, licenses, or other authorizations related to the project proposal:
 Following Screening approval by NIRB, the formal application for renewal of the Water Licence will be submitted to Nunavut Water Board.
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*Please provide a copy of all applications to the NIRB.

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

YES

NO

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

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 | <input checked="" type="checkbox"/> | 9 | Site Cleanup/Remediation | <input type="checkbox"/> |
| 2 | Winter Road/ Winter Trail | <input type="checkbox"/> | 10 | Oil and Natural Gas Exploration/Activities | <input type="checkbox"/> |
| 3 | Mineral Exploration | <input type="checkbox"/> | 11 | Marine Based Activities | <input type="checkbox"/> |
| 4 | Advanced Mineral Exploration | <input type="checkbox"/> | 12 | Scientific/International Polar Year Research* | <input type="checkbox"/> |
| 5 | Mine Development /Bulk Sampling | <input type="checkbox"/> | 13 | Harvesting Activities* | <input type="checkbox"/> |
| 6 | Pits and quarries | <input type="checkbox"/> | 14 | Tourism Activities* | <input type="checkbox"/> |
| 7 | Offshore Infrastructure (port, break water, dock) | <input type="checkbox"/> | 15 | Other ⁽²⁾ : | <input type="checkbox"/> |
| 8 | Seismic Survey | <input type="checkbox"/> | | | <input type="checkbox"/> |

Please note:

1. 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.
2. Please be advised that in order to complete the NIRB process, the NIRB may request additional information at any time during the process.
3. 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 in previous question, please indicate the mineral of interest that is being extracted. Include a brief description.

Not Applicable.

| | | |
|--------------------------|---|-------|
| <input type="checkbox"/> | Base Metals (zinc, copper, gold, silver, etc) | _____ |
| <input type="checkbox"/> | Diamonds | _____ |
| <input type="checkbox"/> | Uranium | _____ |
| <input type="checkbox"/> | Other: | _____ |

3a. If Project Type 12, 13 or 14 was selected above, complete the table and questions below.

Not applicable

| Transportation Type | Quantity | Proposed Use | Length of Use |
|---------------------|----------|--------------|---------------|
| | | | |
| | | | |

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.

Not Applicable.

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.

Not applicable

4. Personnel

| | | | | |
|--------------------------------------|-----------|---------------------------------|------------|---|
| Total No. of personnel on site = (A) | <u>10</u> | Total No. of days on-site = (B) | <u>365</u> | Total No. of Person days (A) × (B) = 3650 |
|--------------------------------------|-----------|---------------------------------|------------|---|

5. Timing : Every day of the year.

Period of operation: from January 01,2017 to December 31,2017

Proposed term of authorization: from _____ to _____

6a. Region (check all that apply):

| | | | |
|--|--|------------------------------------|---|
| <input type="checkbox"/> North Baffin | <input type="checkbox"/> Kivalliq | <input type="checkbox"/> Kitikmeot | <input type="checkbox"/> Transboundary: _____ |
| <input checked="" type="checkbox"/> South Baffin | <input type="checkbox"/> 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.

| |
|--|
| All the Environmental facilities are located within the Municipal boundary. This Municipality is situated next to the Municipality of Qikiqtarjuaq and on the eastern shore of Baffin Region. |
| |
| |

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



The Municipality of Pangnirtung has been using these facilities for more than 15 yrs. Recently the Water Treatment Plant has been replaced. Also the Wastewater Treatment Plant has been upgraded.

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

Not applicable

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) 66°09'00" Min Long (degree/minute) 65°40'34"
Max Lat (degree/minute) Max Long (degree/minute)

NTS Map Sheet No: Map is attached.
(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 coordinates of the camp location

Nil

Min Lat (degree/minute) Min Long (degree/minute)
Max Lat (degree/minute) Max Long (degree/minute)

If different from above for the camp:

NTS Map Sheet No:
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.



THE PROJECT PROPOSAL IS ATTACHED.

SECTION 5: MATERIAL USE

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

| Equipment type and number | Size – dimensions | Proposed use |
|---------------------------|-------------------|----------------------|
| Dump Truck-2 | 4T | Transporting garbage |
| Sludge dumping Hooper-1 | 2 T | Transporting sludge |
| Sewage Trucks-4 | 12,000 Litres | Transporting sewage |
| Bull dozer-1 | Heavy Duty | Compacting |
| | | |

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 | #200, capacity of each drum is 200 litres | 40,000 annually | PPD Compound. |
| 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.

The Spill Contingency Plan has been developed and this document will be used by the Community as the guide for Spill Prevention Plan for this Community.

3a. Detail the anticipated daily water consumption rates

| Daily amount (m ³) | Proposed water retrieval methods | Proposed water retrieval location |
|--------------------------------|----------------------------------|-----------------------------------|
| 145 | Pumping | Duval River to Storage Reservoir |

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

YES

X NO

If yes, what class of licence?



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.

