



## 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](http://www.nirb.ca)) is currently under construction. Please contact [info@nirb.ca](mailto: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** Northwest Granular Deposit Road and Quarry Development
2. **Applicant's full name and mailing address:**  
City of Iqaluit  
PO Box 460  
Iqaluit, NU X0A 0H0  
Phone: 867-979-5600  
Fax:  
Email: [info@city.iqaluit.nu.ca](mailto:info@city.iqaluit.nu.ca)
3. **Primary contact's full name and mailing address:**  
Paul Clow  
PO Box 460  
Iqaluit, NU X0A 0H0  
Phone: 867-979-6363 ext.233  
Fax:  
Email: [p.clow@city.iqaluit.nu.ca](mailto:p.clow@city.iqaluit.nu.ca)

### SECTION 2: AUTHORIZATION NEEDED

1. Indicate all authorizations associated with the project proposal:

<input type="checkbox"/>	Regional Inuit Association (RIA)	<input type="checkbox"/>	Canadian Launch Safety (CLS)
<input checked="" type="checkbox"/>	Nunavut Water Board (NWB)	<input type="checkbox"/>	Environment Canada (EC)
<input checked="" type="checkbox"/>	Nunavut Planning Commission (NPC)	<input type="checkbox"/>	Government of Nunavut (GN)
<input type="checkbox"/>	Indian and Northern Affairs Canada (INAC)	<input type="checkbox"/>	Department of National Defense (DND)
<input type="checkbox"/>	Department of Fisheries and Oceans (DFO)	<input type="checkbox"/>	Hamlet
<input type="checkbox"/>	Community Government & Services (CG&S)	<input type="checkbox"/>	Parks Canada (PC)
<input type="checkbox"/>	Nunavut Research Institute (NRI)	<input type="checkbox"/>	Canadian Wildlife Service (CWS)
<input type="checkbox"/>	Department of Culture, Language, Elders, and Youth (CLEY)	<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):**  
Notification has been provided from Nunavut Planning Commission that a review is not required.  
Please see the attached email confirmation.

**3. List the pending permits, licenses, or other authorizations related to the project proposal:**

A submission was received by the Nunavut Water Board on October 8, 2014 for the Granular Deposit Road water crossings

A submission has been sent to Community Government Services Planning Division to transfer the parcel of land from commissioner to Municipal

**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)<sup>(1,2)</sup>:**  
(See Appendix A for Project Type Definitions)

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

**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.**

<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.**

Transportation Type	Quantity	Proposed Use	Length of Use
<i>E.g. Helicopter</i>	<i>1</i>	<i>Site to site pick ups and drop offs</i>	<i>6 days</i>

**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.

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**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.

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**4. Personnel**

Total No. of personnel on site = (A) _____	Total No. of days on-site = (B) _____	Total No. of Person days (A) × (B) = _____
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**5. Timing**

Period of operation:	from May 2015	to End of Life	
Proposed term of authorization:	from May 2015	to End of Life	

**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.

The proposed project is located 8.5KM from Iqaluit City Center and 6.7 KM from the nearest residential area in Iqaluit. The proposed Northwest Granular Deposit is adjacent to the Apex River Watershed.



**6c.** Discuss the history of the site if it has been used for any project activities in the past.  
 This site has not been used for an past projects.

**6d.** Indicate if there are any known archaeological/palaeontological historical sites in the area.  
 There is no known archaeological/ palaeontological sites in this area

**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)	<u>68°34'57.43"W</u>	Min Long (degree/minute)	<u>63°49'17.50"N</u>
Max Lat (degree/minute)	<u>68°35'35.55"W</u>	Max Long (degree/minute)	<u>63°50'2.23"N</u>

*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)

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

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.

#### **Section 4 - Project Description - Northwest Granular Deposit Road and Quarry Construction**

In 2005, Indian and Northern Affairs of Canada (now Aboriginal and Northern Development of Canada, AANDC) commissioned a granular aggregate assessment covering a 10 km radius of the City of Iqaluit. Target areas with the best potential to yield economically viable aggregate resources were visited. The extent and volume of each deposit was identified and the general physiography of the areas was identified to determine ease of access. Ground Penetrating Radar (GPR) data was also collected to investigate the character of the subsurface deposits.

Through this investigation, the Northwest Area (includes Trail Area Deposit and Northwest Iqaluit Granular Deposit) was determined to contain high quality gravel, with volume estimates of at least 1,000,000 cubic meters of gravel alone and well in excess of 4,000,000 cubic meters of combined sand and gravel. It was determined that the total potential reserves in the Northwest Area could reach in excess of 14,000,000 cubic meters. As a result of this work, the City identified the Northwest Deposit as its next long-term granular source and proceeded with developing the Trail Area Deposit (which is located en route to the Northwest Iqaluit Granular Deposit) as an interim source.

The Trail Area Deposit is nearing its end of life and the development of the Northwest Granular Deposit is required. The development of the Northwest Granular Deposit includes the construction of the road to the deposit as well as developing the quarry for quarrying operations

The construction of the road to the Northwest Granular Deposit entails the construction of a 5KM, two-lane all-weather road to the quarry. The development of the Northwest Granular Deposit includes construction of all interior road ways, identifying the parcels of land within the quarry that can be used for quarrying operations and installing silt fence to mitigate the sedimentation of the creek and drainage pathways.

This is a crucial project for the future development of Iqaluit as granular material is needed to complete numerous projects within the City. Once construction is complete this quarry will also provide local contractors an area to obtain granular material to complete private development projects in Iqaluit.

**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
Backhoe	PC 350, Hitachi	Moving Material
Backhoe	320, Cat	Moving Material
Loader		Moving Material
Dump Truck		Hauling Material

### 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			
<b>Hazardous Materials and Chemicals</b>		<b>Total Amount of Hazardous Materials and Chemicals (in Litres)</b>	

### 2b. Describe the proposed Spill Prevention Plan.

There will be no fuel stored on site. Please see the attached Spill Response Plan.

### 3a. Detail the anticipated daily water consumption rates

Daily amount (m <sup>3</sup> )	Proposed water retrieval methods	Proposed water retrieval location
0		

### 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)	0		
Greywater	0		
Combustible wastes	0		
Non-Combustible wastes	0		
Overburden (organic soil, waste material, tailings)	0		
Hazardous waste	0		
Other:			

2. Describe the proposed Waste Management Plan.

For the duration of this project waste will not be generated, therefore, a Waste Management Plan will not be required.

## 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?

☐ YES

☒ NO









**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.