



## APPLICATION FOR QUARRY PERMIT

Department of Community & Government Services

Government of Nunavut

Name in Full: Bhabesh Roy, M.A.Sc., P.Eng.

Address: GN-CGS, Pond Inlet, P.O.Box 379, Pond Inlet, X0A 0S0

Occupation: Municipal Planning Engineer, Baffin Region, GN-CGS.

Does hereby apply for a quarry permit for the purpose of taking 80,000 cubic metres of **granular** (type of materials) from the lands indicated on a sketch or described as follows .(Attached **Topo Map**)

to be used for Construction of a sewage Lagoon

1. Is any part of the land occupied? If so, by whom and for what purpose?

**NO**

2. Permit fee:	<b>Not applicable</b>	\$ _____
Royalties:	\$0.25 per cubic/metre	\$ _____
Restoration fee:	\$0.50 per cubic/metre	\$ _____
Road Maintenance fee:	\$0.50 per cubic/metre	\$ _____
Quarry Administration fee:	\$0.50 per cubic/metre	\$ _____

**TOTAL FEES DUE** \$ \_\_\_\_\_

Free permit under Section 31(2) of the Commissioner's Land Regulations

Date: **April 30, 2008;** Signature of Applicant: **Bhabesh Roy, M.A.Sc., P.Eng.**



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Nunalingni Kavamatkunillu Pivikhaqautikkut  
Department of Community and Government Services  
Ministère des Services communautaires et gouvernementaux

**Leslie Payette**

Manager, Environmental Administration  
Nunavut Impact Review Board  
Cambridge Bay, Nunavut  
Tel: 867.983.4615 (direct)

April 14, 2008.

Sub: Screening of granular sources of the Hamlet of Clyde River, Baffin Region.

Dear Leslie,

Please find attached herewith the NIRB Part 1 Form with the support of the Technical Summary Reports in English and Inuktitut, a Topo Map and a study report on the granular materials done in 1981.

The granular materials are urgently needed for the sewage lagoon which is expected to start constructing during this summer, 2008.

If you have any question, Please do not hesitate to contact me.

Thanks.

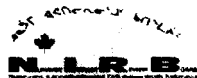
**Bhabesh Roy, M.A.Sc., P.Eng.**

Municipal Planning Engineer  
Community & Government Services  
Baffin Region, Government of Nunavut  
P.O.Box 379, Pond Inlet, X0A 0S0  
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Copy to : Patricio Fuentes, Regional Manager of projects, GN-CGS, Baffin Region  
Johnathan Palluq, Asstt. Regional Director, GN-CGS, Baffin Region  
Timoon Toonoo, Regional Director, GN-CGS, Baffin Region  
Bill Buckle, SAO, Hamlet of Clyde River, Baffin Region

P.O. Box 379, Government of Nunavut, Pond Inlet

☎ (867) 899-7301 ☎ (867) 899-7330



## 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** Wastewater Treatment Facility-Sewage Lagoon

2. **Applicant's full name and mailing address:**

Bhabesh Roy, M.A.Sc., P.Eng

867 899 7314

Phone:

Municipal Planning Engineer

Fax:

867 899 7328

Baffin Region, GN-CGS, Box 379, Pond Inlet,  
X0A 0S0

Email:

broy@gov.nu.ca

**Primary contact's full name and mailing address:**

Bill Buckle, SAO, Hamlet of Clyde River

867 924 6220

Phone:

Box 89, X0A 0E0

Fax:

867 924 6293

Email:

Saoclyde2005@yahoo.ca

### SECTION 2: AUTHORIZATION NEEDED

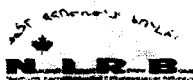
1. **Indicate all authorizations associated with the project proposal:**

- |                          |  |
|--------------------------|--|
| <input type="checkbox"/> | Regional Inuit Association (RIA)*                            |
| <input type="checkbox"/> | Nunavut Water Board (NWB)*                                   |
| <input type="checkbox"/> | Nunavut Planning Commission (NPC)*                           |
| <input type="checkbox"/> | Indian and Northern Affairs Canada (INAC)*                   |
| <input type="checkbox"/> | Department of Fisheries and Oceans (DFO)                     |
| <input type="checkbox"/> | Community Government & Services (CG&S)*                      |
| <input type="checkbox"/> | Nunavut Research Institute (NRI)*                            |
| <input type="checkbox"/> | Department of Culture, Language, Elders,<br>and Youth (CLEY) |

- |                          |                                      |
|--------------------------|--------------------------------------|
| <input type="checkbox"/> | Canadian Launch Safety (CLS)         |
| <input type="checkbox"/> | Environment Canada (EC)*             |
| <input type="checkbox"/> | Government of Nunavut (GN)*          |
| <input type="checkbox"/> | Department of National Defense (DND) |
| <input type="checkbox"/> | Hamlet*                              |
| <input type="checkbox"/> | Parks Canada (PC)                    |
| <input type="checkbox"/> | Canadian Wildlife Service (CWS)      |
| <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):**

Water License, Expiry date :September 15, 2008.



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

N/A

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.

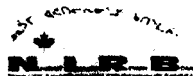
### SECTION 3: PROJECT PROPOSAL DESCRIPTION

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

1	All-Weather Road/Access Trail*	<input 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 <sup>(2)</sup> : Sewage Lagoon	<input type="checkbox"/>
8	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. **N/A**

<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 13, 14 or 15 was selected above, complete the table and questions below.

Transportation Type	Quantity	Proposed Use	Length of Use
Trucking	80,000cubic meter	Construction of sewage Lagoon Berms	2008-2009

- 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.** **N/A**

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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. **N/A**

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#### 4. Personnel

Total No. of personnel on site = (15)	Total No. of days on-site = (180)	Total No. of Person days (A) × (B) = 2700
_____	_____	_____

#### 5. Timing

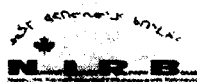
Period of operation:	from	2008	to	2009
Proposed term of authorization:	from	2008	to	2009

#### 6a. Region (check all that apply):

<input type="checkbox"/> North Baffin*	<input type="checkbox"/> Kivalliq	<input type="checkbox"/> Kitikmeot	<input type="checkbox"/> Transboundary: _____
<input 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.

**A Topo map is attached.**



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

**In 1981, these granular sites have been identified by a consultant and quality of the materials was analyzed. The consultant report is attached.**

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

**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) **70°27'N** Min Long (degree/minute) **68°33'**  
Max Lat (degree/minute) \_\_\_\_\_ Max Long (degree/minute) \_\_\_\_\_

**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: N/A**

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.

**\*Proposal descriptions in English and Inuktitut are attached.**



**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.): (Estimate only)**

Equipment type and number	Size – dimensions	Proposed use
Pick Up- 3 Nos.		
Excavator- 3 Nos.		
Compactor- 3 nos.		
Bull Dozer- 3 Nos.		
Off Load Truck- 5 Nos.		
Loader -2 Nos. and Crusher- 1No.		

**2a. Detail fuel and hazardous material use:**

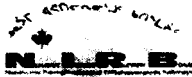
Fuel	Number of Containers and Capacity of Containers	Total Amount of Fuel (in Litres)	Proposed Storage Methods
Diesel*			
Gasoline			
Aviation fuel			
Propane			
Other			
<b>Hazardous Materials and Chemicals</b>		<b>Total Amount of Hazardous Materials and Chemicals (in Litres)</b>	

**2b. Describe the proposed Spill Prevention Plan. N/A**

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

Daily amount (m³)	Proposed water retrieval methods	Proposed water retrieval location
88 cubic meter/day.	Pumping from the Lake	Natural Water Reservoir

**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, This will expire on September 15, 2008.

### 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)	41,040 cubic meter/year	Trucking	Lagoon and Wetlands
Greywater			
Combustible wastes	5,130 cubic meter/year	Trucking	Landfill
Non-Combustible wastes			
Overburden (organic soil, waste material, tailings)			
Hazardous waste			
Other:			

2. Describe the proposed Waste Management Plan.

Liquid Waste- Sewage Lagoon and wetlands  
Solid waste- Land fill


### SECTION 7: COMMUNITY INVOLVEMENT & REGIONAL BENEFITS

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

### SECTION 8: GENERAL QUESTIONS

1. Will you be disturbing any known archaeological sites? N/A

Community	Name	Organization	<input type="checkbox"/> YES <input type="checkbox"/> NO	Date Contacted

### SECTION 9: APPLICANT SIGNATURE

Please sign and date your application:

  
Bhabesh Roy, M.A.Sc, P.Eng.

Municipal Planning Engineer

April 14, 2008

Signature

Title

Date



