

3. NIRB Application Acknowledgment



July 27, 2006

NIRB File No.: 06QN060

Brian Duguay  
Community Gov't & Services  
Rankin Inlet, NU

Via email: [bduguay@gov.nu.ca](mailto:bduguay@gov.nu.ca)

**Re: Application Acknowledgement for Quarry, Whale Cove Project Proposal**

Dear Mr. Duguay:

The Nunavut Impact Review Board (NIRB or Board) acknowledges receipt on June 14, 2006 of Quarry Permit, Whale Cove Project Proposal from Gov't of Nunavut – Community Government Services. NIRB has assigned this Project Proposal file number, 06QN060. All documents received and pertaining to this Project Proposal can be obtained from NIRB's ftp site at <http://ftp.nunavut.ca/nirb/>, active screenings:

- NIRB Part 1 form in English including the requirement for an executive summary
- NIRB Part 2 Project-Specific Information Requests for Pits and Quarries
- Quantities of bulk fuel to be stored
- Spill contingency plan for the storage of bulk fuel

Pursuant to Part 4, Article 12 of the Nunavut Land Claims Agreement (NLCA), NIRB shall proceed to screen the subject Project Proposal. This said, NIRB reserves the right to request additional information at any time during the process. NIRB will copy you on screening process related correspondence and upload related documents to the above ftp site for Public access.

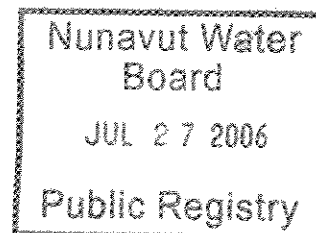
By way of copy of this letter, and the enclosed comment form, to the distribution list including municipalities and groups most affected by Quarry, Whale Cove Project Proposal, we invite interested persons to comment directly to the NIRB by **August 17, 2006**.

If you have any questions or concerns, feel free to contact NIRB's Technical Advisor, Stephen Lines at 1-866-233-3033 or [slines@nirb.nunavut.ca](mailto:slines@nirb.nunavut.ca)

Sincerely,

*(original signed by:)*

Stephen Lines  
Technical Advisor  
Nunavut Impact Review Board



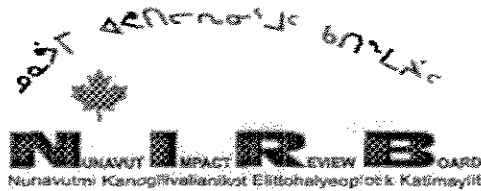
Cc      Distribution List  
         Community Gov't Services, Lands Divison  
Attachments:  
         Comment Form

## COMMENT FORM FOR NIRB SCREENINGS

The Nunavut Impact Review Board (NIRB) has a mandate to protect the integrity of the ecosystem for the existing and future residents of Nunavut. To assess the environmental and socio-economic impacts of the project proposal, NIRB would like to hear your concerns, comments and suggestions about the following project proposal application:

<b>Project Proposal Title:</b> <u>Quarry &amp; Landfarm</u>																			
<b>Proponent:</b> <u>Community Gov't &amp; Services</u>																			
<b>Location:</b> <u>Whale Cove</u>																			
<b>Comments Due By:</b> <u>August 17, 2006</u>	<b>NIRB #:</b> <u>06QN060</u>																		
<p><b>Indicate your concerns about the project proposal below:</b></p> <table style="width: 100%;"> <tr> <td><input type="checkbox"/> no concerns</td> <td><input type="checkbox"/> traditional uses of land</td> </tr> <tr> <td><input type="checkbox"/> water quality</td> <td><input type="checkbox"/> Inuit harvesting activities</td> </tr> <tr> <td><input type="checkbox"/> terrain</td> <td><input type="checkbox"/> community involvement and consultation</td> </tr> <tr> <td><input type="checkbox"/> air quality</td> <td><input type="checkbox"/> local development in the area</td> </tr> <tr> <td><input type="checkbox"/> wildlife and their habitat</td> <td><input type="checkbox"/> tourism in the area</td> </tr> <tr> <td><input type="checkbox"/> marine mammals and their habitat</td> <td><input type="checkbox"/> human health issues</td> </tr> <tr> <td><input type="checkbox"/> birds and their habitat</td> <td><input type="checkbox"/> other: _____</td> </tr> <tr> <td><input type="checkbox"/> fish and their habitat</td> <td>_____</td> </tr> <tr> <td><input type="checkbox"/> heritage resources in area</td> <td>_____</td> </tr> </table>		<input type="checkbox"/> no concerns	<input type="checkbox"/> traditional uses of land	<input type="checkbox"/> water quality	<input type="checkbox"/> Inuit harvesting activities	<input type="checkbox"/> terrain	<input type="checkbox"/> community involvement and consultation	<input type="checkbox"/> air quality	<input type="checkbox"/> local development in the area	<input type="checkbox"/> wildlife and their habitat	<input type="checkbox"/> tourism in the area	<input type="checkbox"/> marine mammals and their habitat	<input type="checkbox"/> human health issues	<input type="checkbox"/> birds and their habitat	<input type="checkbox"/> other: _____	<input type="checkbox"/> fish and their habitat	_____	<input type="checkbox"/> heritage resources in area	_____
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<input type="checkbox"/> heritage resources in area	_____																		
<p><b>Please describe the concerns indicated above:</b></p>          																			
<p><b>Do you have any suggestions or recommendations for this application?</b></p>          																			
<p><b>Do you support the project proposal? Yes <input type="checkbox"/> No <input type="checkbox"/> Any additional comments?</b></p>          																			
<p><b>Name of person commenting:</b> _____ <b>of</b> _____</p>																			
<b>Position:</b> _____	<b>Organization:</b> _____																		
<b>Signature:</b> _____	<b>Date:</b> _____																		





4. Secondary contact's full name and mailing address:

Kevin Hodgins, P. Eng  
PO Box 1777  
4910 53<sup>rd</sup> Street  
Yellowknife, NT  
X1A 2P4

Fax: (867) 920-4319  
Phone: (867) 920-2882  
Email: kevinh@fsc.ca

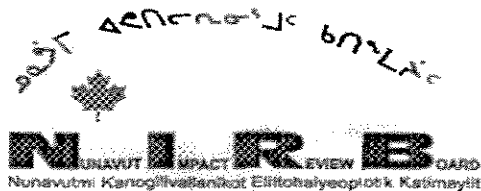
## SECTION 2: AUTHORIZATION NEEDED

1. Indicate all authorizations associated with the project proposal:

- ☐ Regional Inuit Association (RIA)
- ☒ Nunavut Water Board (NWB)
- ☐ Nunavut Planning Commission (NPC)
- ☐ Department of Indian And Northern Development (DIAND)
- ☒ Department of Fisheries and Oceans (DFO)
- ☒ Community Government & Services (CG&S)
- ☐ Nunavut Research Institute (NRI)
- ☒ Hamlet
- ☐ Canadian Launch Safety (CLS)
- ☐ Environment Canada (EC)
- ☒ Government of Nunavut (GN)
- ☐ Department of National Defense (DND)
- ☐ Department of Culture, Language, Elders, and Youths (CLEY)
- ☐ Parks Canada (PC)
- ☐ Other (please specify):

2. List the active permits, licences, or other rights related to the project and their expiry date:

Hamlet Of Whale Cove Water License (NWB) – amendment requested



### SECTION 3: PROJECT PROPOSAL DESCRIPTION

#### 1. Indicate the type of project proposal:

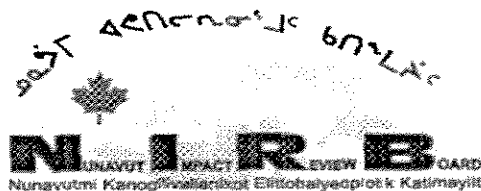
- ☐ Exploration (geophysical ground, geophysical air, drilling)  
☐ Advanced Exploration/ Bulk Sampling  
☐ Mine Development  
☐ All Weather Roads and Trails  
☐ Winter Roads and Trails  
☐ DEW Line Clean up  
☐ Off-Shore Infrastructure  
☐ Pit and/or Quarry  
☒ Other: Fuel Storage Facility Upgrade

#### 2. Indicate the activities related to the project proposal:

- |  |  |
|--|--|
| <input type="checkbox"/> Drilling other than geoscientific                                   | <input checked="" type="checkbox"/> Quarrying  |
| <input type="checkbox"/> Offshore structure  | <input type="checkbox"/> All season road   |
| <input type="checkbox"/> Airport/ landing strip  | <input type="checkbox"/> Winter road   |
| <input type="checkbox"/> Camp  | <input type="checkbox"/> Access road   |
| <input checked="" type="checkbox"/> Fuel storage   | <input type="checkbox"/> Road modification   |
| <input type="checkbox"/> Solid waste disposal  | <input type="checkbox"/> Cabins  |
| <input type="checkbox"/> Hazardous waste storage or disposal                                 | <input type="checkbox"/> Sewage or grey water disposal   |
| <input type="checkbox"/> Research  | <input type="checkbox"/> Blasting  |
| <input type="checkbox"/> Abandonment and Restoration   | <input type="checkbox"/> Harvesting  |
| <input type="checkbox"/> Burning   | <input type="checkbox"/> Burying   |
| <input checked="" type="checkbox"/> Construction   | <input type="checkbox"/> Channeling  |
| <input checked="" type="checkbox"/> Cut and/or Fill  | <input type="checkbox"/> Removal of vegetation   |
| <input type="checkbox"/> Dam/ Impoundment (construction/ abandonment/ removal/ modification) | <input type="checkbox"/> Ditch construction  |
| <input type="checkbox"/> Drainage Alteration   | <input checked="" type="checkbox"/> Excavation   |
| <input type="checkbox"/> Chemical Storage  | <input type="checkbox"/> Ecological survey   |
| <input type="checkbox"/> Explosives Storage  | <input type="checkbox"/> Geoscientific sampling by trenching   |
| <input type="checkbox"/> Geoscientific sampling by diamond drilling                          | <input type="checkbox"/> Geoscientific sampling by borehole core   |
| <input type="checkbox"/> Geoscientific sampling by soil sampling                             | <input type="checkbox"/> Hydrological testing  |
| <input type="checkbox"/> River/ stream/ lake crossing or work/ bridge                        | <input type="checkbox"/> Site restoration (fertilization/ grubbing/ scarification/ spraying/ recontouring) |
| <input checked="" type="checkbox"/> Soil testing   | <input checked="" type="checkbox"/> Soil disposal/ Soil storage  |
| <input type="checkbox"/> Tunneling   | <input type="checkbox"/> Other (please specify):   |

#### 3. Personnel

Total No. of personnel on site = (A)                      Up to 10      Total No. of person days = (A) x No. days on site                      Up to 1800



#### 4. Timing/Construction

Period of operation: June 2006 to September 2007  
 Proposed term of permit: June 2006 to September 2007

Please outline the phases of the proposed project (construction/ operation/ decommissioning) including the timing and scheduling of each phase.

Construction to take place during 2006/2007 construction seasons  
Operation of the facility is to meet the 20 year demand of fuel needs for the community.

#### 5. Region (check all that apply):

☐ Baffin ☒ Kivalliq ☐ Kitikmeot ☐ Transboundary: \_\_\_\_\_

#### 6. Land Status (check all that apply):

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

#### 7. Co-ordinates:

##### For Fuel Storage Facility

Min Lat (degree/minute)	<u>62 degrees 9 minutes (north)</u>	Min Long (degree/minute)	<u>176 degrees 34 minutes (west)</u>
Max Lat (degree/minute)	<u>62 degrees 10 minutes (north)</u>	Max Long (degree/minute)	<u>176 degrees 34 minutes (west)</u>

NTS Map Sheet No: 55 K

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

**Mapping to Follow ASAP**

##### For Land Farm

Min Lat (degree/minute)	<u>62 degrees 11 minutes NORTH</u>	Min Long (degree/minute)	<u>176 degrees 34 minutes WEST</u>
Max Lat (degree/minute)	<u>62 degrees 11 minutes NORTH</u>	Max Long (degree/minute)	<u>176 degrees 34 minutes WEST</u>

NTS Map Sheet No: 55 K

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

**Mapping to Follow ASAP**

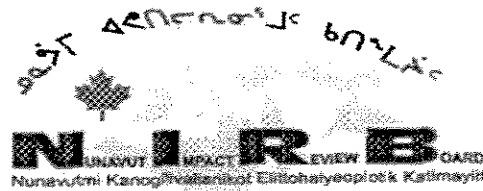
If the project proposal includes a camp, please provide the coordinates of the camp location N/A

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

If different from above for the camp: N/A

NTS Map Sheet No: \_\_\_\_\_

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



## 8. Non-Technical Project Proposal Summary

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.

### Project Proposal Summary

The GN's bulk fuel storage and distribution system in Whale Cove consists of the main tank farm with a diesel fuel capacity of 1,380 m<sup>3</sup> and a gasoline fuel capacity of 642 m<sup>3</sup>, dispensing facilities at the tank farm, and a double line resupply pipeline which runs from the shore manifold to the main tank farm.

The community currently receives two fuel products once per year via tanker: Low Sulphur Diesel fuel (LSDL) and Motor Gasoline (Gasoline).

The work at the proposed facility will include refurbishing existing vertical LSDL and existing vertical gasoline tanks for storage of LSDL, construct new vertical LSDL tank at year 10 to meet the 20 year demand. At year 1 construct new vertical gasoline tank to meet the projected volume for year 20 demand.

The Proposed work incorporates the following items:

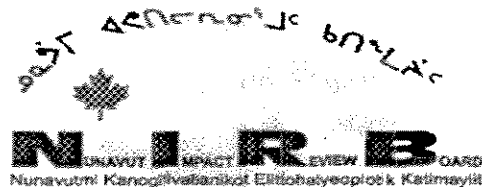
- Expansion of the existing facility, utilizing the following tankage built to satisfy the 10 or 20 year demand:
  - Refurbish existing vertical 1,380 m<sup>3</sup> LSDL tank for reuse as LSDL storage.
  - Refurbish existing vertical 642 m<sup>3</sup> gasoline tank for reuse as LSDL storage.
  - Construct new vertical 243 m<sup>3</sup> LSDL tank at Year 10.
  - Construct of one new vertical 420 m<sup>3</sup> gasoline tank at Year 1.
  - Refurbish two 90 m<sup>3</sup> horizontal tanks at Year 1 for Standby.
- Construction of new berms and liners, and other items necessary to meet code requirements.
- Construction of a new gasoline/LSDL fuel dispenser as per PPD Standards at Year 1.
- Construction of a new operators shelter as per PPD Standards at Year 1.
- Revision of existing and provision of required new piping within tank farm.
- Reconstruction of fencing of site at Year 1.

The existing pipeline has flexible sections, acting as expansion joints. The pipes are supported on a combination of fixed steel supports and barrels. Many of the barrels have collapsed. The system is subject to vandalism and theft. All of these flexible sections outside of the tank farm are to be replaced with continuous pipe expansion loops.

Other additional work recommended include:

- Add booster pump to shore connection point.





- Clean up environmental spillage locations and move to a land farm for remediation.
- Correct minor code and operational deficiencies.
- Paint new and existing tanks.

The duration of construction of the project is estimated to take approximately two years to complete and will meet the 20 year demands of fuel storage for the community of Whale Cove.

## SECTION 4: MATERIAL USE

### 1. List equipment (including drills, pumps, aircrafts, etc.):

Equipment type and number	Size – dimensions	Proposed use
Dozer	Case 560	Earth Works
Dump Truck	Kenworth 20 tonne	Hauling granular material
Front End Loader	Case W14H	Earth Works
Boom Truck	Chevy Kodiak 5 Tonne	Earth Works, Moving tanks and equipment
Excavator	Komatsu PC200LC	Earth Works, Excavation
Backhoe	Case 580 Super L	Earth Works
Roller/Compactor	Bomag BW172D	Earth Works, Compaction

### 2. Detail fuel and hazardous material use:

Fuels	Number of Containers	Capacity of containers (gal & litre)
• Diesel	None	
• Gasoline	None	
• Aviation fuel	None	
• Propane	None	
• Other	None	
Hazardous material (please specify)	None	

## SECTION 5: WASTE DISPOSAL AND TREATMENT FACILITIES

### 1. List the types of waste:

Type of waste	Projected amount generated	Method of Disposal	Additional treatment procedures
Sewage	None		
Greywater	None		
Garbage	None		
Overburden (organic soil, waste material, tailings)	None		
Hazardous waste			
Other: Contaminated Soil	1400 cu. m.	Land Farm	None

