



**GWICH'IN LAND AND WATER BOARD**

**P.O. Box 2018, Inuvik, NT X0E 0T0**

**867-777-4954**

**867-777-2304**

**glwb.com**

November 22, 2019

File: G19Q009

Mr. Mark Cliffe-Phillips  
Mackenzie Valley Environmental Impact Review Board  
200 Scotia Center  
Box 938, 5102 - 50th Avenue  
Yellowknife NT X1A 2N7

Sent via Email

Dear Mr. Cliffe-Phillips,

**Re: Notice of Preliminary Screening Determination – Application for Land Use Permit  
Quarrying, km 235 and km 251 Dempster Highway #8**

The Gwich'in Land and Water Board (Board) met on November 22, 2019 and considered the Application from Northwind Industries Ltd. for Type A Land Use Permit (Permit) G19Q009 for the extraction and processing of granular materials at existing quarries located at km 235 and km 251, Dempster highway #8 (Project) in accordance with the *Mackenzie Valley Resource Management Act* (MVRMA).

The Board conducted a preliminary screening based on the Application and the public record for the proceeding. Based on the evidence provided, the Board is satisfied the screening has been completed according to section 125 of the MVRMA and has decided **not to refer** the project to environmental assessment. The Preliminary Screening Report includes the Board's reasons for decision, as required by section 121 of the MVRMA (attached).

If the Board does not receive notice of referral to environmental assessment, it will proceed with the issuance of Permit G19Q009 on Tuesday December 3, 2019.

Our Board and staff look forward to continued communications throughout the pause period. If you have any questions or concerns regarding this letter, please contact Leonard DeBastien at (867) 777-4954 or email [l.debastien@glwb.com](mailto:l.debastien@glwb.com).

Yours sincerely,

Elizabeth Wright  
Chair, Gwich'in Land and Water Board

Copied to: Gwich'in Distribution List

Attached: Preliminary Screening Report, including Reasons for Decision



# GWICH'IN LAND AND WATER BOARD

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## PRELIMINARY SCREENING REPORT FORM

<b>PRELIMINARY SCREENER:</b> GLWB <b>REFERENCE / FILE NUMBER:</b> G19Q009 <b>TITLE:</b> Quarrying km 235 and 251 Dempster Highway <b>ORGANIZATION:</b> Northwind Industries Ltd. <b>MEETING DATE:</b> April 18, 2019	<b>EIRB REFERENCE NUMBER:</b>
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*NOTE: Amendment items on this preliminary screening form are shown in italics.*

**Type of Development:**  
(CHECK ALL THAT APPLY)

- New
- Amend, EIRB Ref. #
- Requires permit, license or authorization
- Does not require permit, license or authorization

### Project Summary

- The proposed project includes the extraction, stockpiling and removal of granular material from existing quarries at km 235 and 251, Dempster Highway #8.

### Scope

- A) Use of equipment to perform quarrying

km 235 Dempster Hwy #8 (68o12'04"N/ 133o24'29"W)  
 km 251 Dempster Hwy #8 (68 o18'25"N /133 o19'28"W)

**Principal Activities (related to scoping)**  
(CHECK ALL THAT APPLY)

- |                                       |  |  |
|---------------------------------------|--|--|
| <input type="checkbox"/> Construction | <input type="checkbox"/> Exploration       | <input type="checkbox"/> Decommissioning     |
| <input type="checkbox"/> Installation | <input type="checkbox"/> Industrial        | <input type="checkbox"/> Abandonment         |
| <input type="checkbox"/> Maintenance  | <input type="checkbox"/> Recreation        | <input type="checkbox"/> Aerial              |
| <input type="checkbox"/> Expansion    | <input type="checkbox"/> Municipal         | <input type="checkbox"/> Harvesting          |
| <input type="checkbox"/> Operation    | <input type="checkbox"/> Quarry            | <input type="checkbox"/> Camp                |
| <input type="checkbox"/> Repair       | <input type="checkbox"/> Linear / Corridor | <input type="checkbox"/> Scientific/Research |
| <input type="checkbox"/> Water Intake | <input type="checkbox"/> Sewage            | <input type="checkbox"/> Solid Waste         |
| <input type="checkbox"/> Other:       |  |  |

### Principal Development Components (related to scoping)

- |   |  |
|---|--|
| <input type="checkbox"/> Access Road                                | <input type="checkbox"/> Waste Management            |
| <input type="checkbox"/> construction                               | <input type="checkbox"/> Disposal of hazardous waste |
| <input type="checkbox"/> abandonment/removal                        | <input type="checkbox"/> Waste generation            |
| <input type="checkbox"/> modification e.g., widening, straightening | <input type="checkbox"/> Sewage                      |
| <input type="checkbox"/> Automobile, Aircraft or Vessel Movement    | <input type="checkbox"/> Disposal of sewage          |
| <input type="checkbox"/> Blasting                                   | <input type="checkbox"/> Geoscientific Sampling      |
| <input type="checkbox"/> Building                                   | <input type="checkbox"/> trenching                   |
| <input type="checkbox"/> Burning                                    | <input type="checkbox"/> diamond drill               |
| <input type="checkbox"/> Burying                                    | <input type="checkbox"/> borehole core sampling      |
| <input type="checkbox"/> Channeling                                 | <input type="checkbox"/> bulk soil sampling          |
| <input type="checkbox"/> Cut and Fill                               | <input type="checkbox"/> Gravel                      |

- Cutting of Trees or Removal of Vegetation
- Dams and Impoundments
  - construction
  - abandonment/removal
  - modification
- Ditch Construction
- Drainage Alteration
- Drilling other than Geoscientific
- Ecological Surveys
- Excavation
- Explosive Storage
- Fuel Storage
- Topsoil, Overburden or Soil
  - fill
  - disposal
  - removal
  - storage

- Hydrological Testing
- Site Restoration
- fertilization
- grubbing
- planting/seeding
- reforestation
- scarify
- spraying
- recontouring
- Slashing and removal of vegetation
- Soil Testing
- Stream Crossing/Bridging
- Tunneling/Underground
- Other (describe):

**NTS Topographic Map Sheet Numbers:** 106M

**Nearest Community and Water Body:**

Inuvik  
Mackenzie River, Campbell Lake

**Land Status (*consultation information*)**

Private (GSA)       Commissioner's Land       Territorial Crown Land       Municipal Land

**Transboundary Implications**

British Columbia       Alberta       Saskatchewan       Yukon  
 Nunavut       Wood Buffalo National Park       Inuvialuit Settlement Region

**Type of Transboundary Implication:**       Impact / Effect       Development

Public Concern \_\_\_\_\_  
(DESCRIBE)

**PHYSICAL - CHEMICAL EFFECTS**

**IMPACT**

**1. Ground Water**

- water table alteration
- water quality changes

infiltration changes

other

N/A

**IMPACT**

**2. Surface Water**

- flow or level changes
- water quality changes

water quantity changes

Drainage pattern changes

temperature

wetland changes / loss

other:

N/A

**IMPACT**

**3. Noise**

noise in/near water

other: noise increase

N/A

**IMPACT**

**4. Land**

geologic structure changes

soil contamination

buffer zone loss

soil compaction & settling

Destabilization / erosion

permafrost regime alteration

other:

N/A

**MITIGATION**

Possibility of water table alteration if excavation takes place below the existing water table. Draft LUP condition addresses this potential

**MITIGATION**

Possibility of contamination from fuel during transport or refueling. No fuel will be stored on site. The applicant has submitted a Spill Contingency Plan outlining preventive measures and spill clean-up. Draft conditions address mitigation related to fuel handling and spill prevention.

**MITIGATION**

Noise may temporarily disturb wildlife, however the impact is expected to be minimal, localized, and over a short duration.

**MITIGATION**

Possibility of contamination from fuel during transport or refueling. No fuel will be stored on site. The applicant has submitted a Spill Contingency Plan outlining preventive measures and spill clean-up. Draft conditions address mitigation related to fuel handling and spill prevention.

**IMPACT**  
**5. Non Renewable Natural Resources**

- resource depletion
- other:
- N/A

**MITIGATION**

Depletion of granular resources possible at multi-user pit. GNWT Lands manages the pit, draft Pit development plan.

**IMPACT**  
**6. Air/Climate/ Atmosphere**

- Other
- N/A

**MITIGATION**

**BIOLOGICAL**

**ENVIRONMENT IMPACT**  
**1. Vegetation**

- species composition
- species introduction
- toxin / heavy accumulation
- other:
- N/A

**MITIGATION**

**IMPACT**  
**2. Wildlife & Fish**

- effects on rare, threatened or endangered species
- fish population changes
- waterfowl population changes
- breeding disturbance
- population reduction
- species diversity change
- health changes (Identify)

**MITIGATION**

behavioural changes

Some species may avoid the area during operation. Draft conditions outline mitigation methods for species of concern.

(Identify)

habitat changes / effects

game species effects

toxins / heavy metals

forestry changes

agricultural changes

other:

N/A

#### **INTERACTING ENVIRONMENT**

##### ***IMPACT***

##### ***MITIGATION***

###### **1. Habitat and Communities**

predator-prey

wildlife habitat / ecosystem  
Composition changes

reduction / removal of keystone  
or endangered  
species

removal of wildlife corridor or  
buffer zone

other:

N/A

##### ***IMPACT***

##### ***MITIGATION***

###### **2. Social and Economic**

planning / zoning changes or  
conflicts

increase in urban facilities or  
services use

rental house

airport operations / capacity  
changes

human health hazard

impair the recreational use of water or aesthetic quality

affect water use for other purposes

affect other land use operations

quality of life changes

public concern

other:

N/A

Multiple permit holders extracting material at 251. Pit managed by GNWT Department of Lands. Draft conditions require maintenance of corner posts to prevent overlap.

**IMPACT**

**3. Cultural and Heritage**

**MITIGATION**

effects to historic property

increased economic pressure on historic properties

change to or loss of historic resources

change to or loss of archaeological resources

increased pressure on archaeological sites

change to or loss of aesthetically important site

effects to aboriginal lifestyle

other:

N/A

Work to take place within existing Quarry footprints. if any new cultural or heritage resource site is discovered during the project, work must cease and the Prince of Wales Northern Heritage Centre shall be contacted immediately. Draft Conditions pertain to archaeological and heritage resources.

**PRELIMINARY SCREENER / REFERRING BODY INFORMATION**  
(CHECK ALL THAT APPLY)

	RA or DRA	ADVICE	PERMIT REQUIRED
Environment Canada	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fisheries and Oceans	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Indian and Northern Affairs Canada	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Canadian Heritage (Parks Canada)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Natural Resources Canada	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Works and Gov't Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transport Canada	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Northern Oil and Gas Directorate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Canadian Nuclear Safety	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Industry Canada	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Canadian Transportation Agency	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
National Defence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GNWT – ENR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GNWT - MACA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GNWT - Transportation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GNWT - Health	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GNWT – Lands	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Prince of Wales Heritage Center	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Worker's Compensation Board	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MVEIRB	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MVLWB	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gwich'in Land and Water Board	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Gwich'in Land Use Planning Board	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gwich'in Renewable Resource Board	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gwich'in Social & Cultural Institute	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gwich'in Tribal Council	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gwichya Gwich'in Council	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gwichya Gwich'in Renewable Resources Council	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nihtat Gwich'in Council	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nihtat Gwich'in Renewable Resource Council	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Teet'it Gwich'in Council	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Teet'it Gwich'in Renewable Resource Council	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ehdiitat Gwich'in Council	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ehdiitat Renewable Resource Council	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hamlet of Aklavik	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hamlet of Fort Mcpherson	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Charter Community Of Tsiigehtchic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Town of Inuvik	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



**REASONS FOR DECISION**  
(LIST ALL REASONS AND SUPPORTING RATIONALES FOR PRELIMINARY SCREENING DECISION)

**DECISION:**

The Gwich'in Land and Water Board (The Board) is satisfied that the preliminary screening of application G19Q009 by Northwind Industries Ltd. for the purpose of quarrying, km 235 and 251 Dempster Highway #B, has been completed in accordance with Section 125 of the *Mackenzie Valley Resource Management Act*. The Board is satisfied that a reasonable period of notice was given to Communities and First Nations affected by the application as required by Subsection 63(2) of the *MVRMA* so that they could provide comments to the Board.

Having reviewed all relevant evidence on the Public Registry, including the submissions of the Applicant, the written comments received by the Board and any staff reports prepared for the Board, the Board has decided that in its opinion that:

- there is no likelihood that the proposed development might have a significant adverse impact on the environment; and
- there is no likelihood that the proposed development might be a cause of public concern.

The Board is also of the opinion that the application can proceed through the regulatory process and that any impacts of the development on the environment can be mitigated through the imposition of the terms and conditions in the attached Land Use Permit.

As a result, the Board, having due regard to the facts and circumstances, the merits of the submissions made to it, and to the purpose, scope and intent of the *Mackenzie Valley Resource Management Act* and the Mackenzie Valley Land Use Regulations has decided that this Land Use Permit be issued subject to the terms and conditions contained therein.

PRELIMINARY SCREENING DECISION	
<input checked="" type="checkbox"/>	<b>Outside Local Government Boundaries</b>
<input type="checkbox"/>	The development proposal might have a significant adverse impact on the environment, <i>refer it to the EIRB.</i>
<input checked="" type="checkbox"/>	<i>Proceed with regulatory process and/or implementation.</i>
<input type="checkbox"/>	The development proposal might have public concern, <i>refer it to the EIRB.</i>
<input checked="" type="checkbox"/>	<i>Proceed with regulatory process and/or implementation.</i>
<input type="checkbox"/>	<b>Wholly within Local Government Boundaries</b>
<input type="checkbox"/>	The development proposal is likely to have a significant adverse impact on air, water or renewable resources, <i>refer it to the EIRB.</i>
<input type="checkbox"/>	<i>Proceed with regulatory process and/or implementation.</i>
<input type="checkbox"/>	The development proposal might have public concern, <i>refer it to the EIRB.</i>
<input type="checkbox"/>	<i>Proceed with regulatory process and/or implementation.</i>



Chair, Gwich'in Land and Water Board