



GWICH'IN LAND AND WATER BOARD

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

☎ 867-777-4954

☎ 867-777-2304

🌐 glwb.com

February 7, 2020

File: G20Q001

Mr. Mark Cliffe-Phillips
Mackenzie Valley Environmental Impact Review Board
200 Scotia Center
Box 938, 5102 - 50th Avenue
Yellowknife NT X 1A 2N7

Sent via Email

Dear Mr. Cliffe-Phillips,

**Re: Notice of Preliminary Screening Determination – Application for Land Use Permit
Hamlet of Aklavik –Overland Winter Road and Quarrying at Willow River site 467**

The Gwich'in Land and Water Board (Board) met on February 7, 2020 and considered the Application from the Hamlet of Aklavik for Type A Land Use Permit (Permit) G20Q001 for the construction of an overland access road along an existing route, and the extraction and processing of granular materials at the existing quarry located at Willow River site 467 (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 G20Q001 on Tuesday February 18, 2020.

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.

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



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Fx: 867-777-2304

www.glwb.com

PRELIMINARY SCREENING REPORT FORM

PRELIMINARY SCREENER: GLWB REFERENCE / FILE NUMBER: G20Q001 TITLE: Quarrying and Access Rd - Willow River ORGANIZATION: Hamlet of Aklavik MEETING DATE: February 7, 2020	EIRB REFERENCE NUMBER:
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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 involves
 1. the extraction, stockpiling and removal of granular material from existing quarry at Willow River site 467
 2. the construction of an overland winter access road along existing route

Scope

- A) Use of equipment to perform quarrying and construction of overland winter access road

Willow River
approx. 68o07'53"N/135o21'13"W to approx. 68o12'31"N/135o27'39"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:

Aklavik
Willow River

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

no quarrying below the water table depth

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.

Clean snow and water to be used to build ramps, bridges and snowfill

Contour areas as required under the quarry authorization. Snow fills to be removed/notched

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.

Permit conditions require winter road to be constructed with a minimum of 10 cm packed snow, overland travel to be suspended if rutting occurs.

IMPACT

5. Non Renewable Natural Resources

MITIGATION

- resource depletion
- other:
- N/A

Depletion of granular resources possible . Pit is Managed by GTC Department of Lands and Resources

IMPACT

6. Air/Climate/ Atmosphere

MITIGATION

- Other
- N/A

BIOLOGICAL

ENVIRONMENT IMPACT

1. Vegetation

MITIGATION

- species composition
- species introduction
- toxin / heavy accumulation

- other:
- N/A

IMPACT

2. Wildlife & Fish

MITIGATION

- effects on rare, threatened or endangered species
- fish population changes
- waterfowl population changes

- breeding disturbance
- population reduction
- species diversity change
- health changes
(Identify)

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

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 footprint. 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 G20Q001 by Hamlet of Aklavik for the purpose of quarrying and overland winter road construction 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"/>	Outside Local Government Boundaries
<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"/>	Wholly within Local Government Boundaries
<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