

Preliminary Screening Report Form

Preliminary screener: MVLWB Reference / File number: MV2017Q0033 TITLE: Quarry, KM 518-521 near Highway #1 ORGANIZATION: Nogha Construction Ltd. MEETING DATE: May 24, 2018	EIRB Reference number:
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- Type of Development:** (CHECK ALL THAT APPLY)
- New
 - Amend, EIRB Ref. #
 - Requires permit, licence, or authorization
 - Does not require permit, licence, or authorization

Project Summary:

The use of heavy equipment is required to quarry, stock pile and haul gravel from existing gravel sources located at KM 518-521 north of Highway 1, northwest of Fort Simpson.

The following equipment may be used:

- D3 & D6 Cat Dozer
- 240 Cat Excavator
- 930G Loader
- Kenworth tractor end dump
- Belly Dumps
- Tandem gravel truck
- Super and light duty pickup truck
- 2017 Sandvick QJ341 Plus Jaw plant
- 2017 Sandvick QS331 Cone Plant
- New 2017 Sandvick AA441 Screen Plant
- New 2016 KPI 33-36150 Super stacker
- PV22 - 100KW Genset

No camp will be required.

The Proponent is seeking a five-year land use permit for the above quarry operation.

Scope:

This Permit entitles Nogha Construction Ltd. to conduct the following activities:

- a) Quarry operation at KM 518-521 source, north of Highway #1, northwest of Fort Simpson. Located at the following:
 Minimum Latitude: 62°02.440' N; Maximum Latitude: 62°02.500' N
 Minimum Longitude: 122°01.416' W; Maximum Longitude: 122°01.538' W

Land Use Eligibility - Section 18 Mackenzie Valley Land Use Regulations:

18. a)(i)

Type of Disposition	Disposition Number(s)
<input type="checkbox"/> Mineral Claims	
<input type="checkbox"/> Prospecting Permit (s)	
<input type="checkbox"/> Mineral Leases	
<input type="checkbox"/> Oil and Gas: EL/SDL/PL	
<input checked="" type="checkbox"/> Quarry Permit	2017QP0028 – Expires September 13, 2019
<input type="checkbox"/> Timber Permit	
<input type="checkbox"/> Other:	

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 |

- Expansion
- Operation
- Repair
- Research
- Water Intake
- Other:

- Municipal
- Quarry
- Linear / Corridor
- Sewage

- Harvesting
- Camp
- Scientific/
- Solid Waste

Principal Development Components (related to scoping) (CHECK ALL THAT APPLY)

- | | |
|--|---|
| <ul style="list-style-type: none"> <input type="checkbox"/> Access Road <ul style="list-style-type: none"> <input type="checkbox"/> construction <input type="checkbox"/> abandonment/removal <input type="checkbox"/> modification e.g., widening, straightening <input checked="" type="checkbox"/> Automobile, Aircraft or Vessel Movement <input type="checkbox"/> Blasting <input type="checkbox"/> Building <input checked="" type="checkbox"/> Burning <input checked="" type="checkbox"/> Burying <input type="checkbox"/> Channelling <input type="checkbox"/> Cut and Fill <input type="checkbox"/> Cutting of Trees or Removal of Vegetation <input type="checkbox"/> Dams and Impoundments <ul style="list-style-type: none"> <input type="checkbox"/> construction <input type="checkbox"/> abandonment/removal <input type="checkbox"/> modification <input type="checkbox"/> Ditch Construction <input type="checkbox"/> Drainage Alteration <input type="checkbox"/> Drilling other than Geoscientific <input type="checkbox"/> Ecological Surveys <input checked="" type="checkbox"/> Excavation <input type="checkbox"/> Explosive Storage <input type="checkbox"/> Fuel Storage <input checked="" type="checkbox"/> Topsoil, Overburden or Soil <ul style="list-style-type: none"> <input type="checkbox"/> fill <input type="checkbox"/> disposal <input checked="" type="checkbox"/> removal <input checked="" type="checkbox"/> storage | <ul style="list-style-type: none"> <input type="checkbox"/> Waste Management <ul style="list-style-type: none"> <input type="checkbox"/> disposal of hazardous waste <input type="checkbox"/> waste generation <input type="checkbox"/> sewage <input type="checkbox"/> disposal of sewage <input type="checkbox"/> Geoscientific Sampling <input type="checkbox"/> Trenching <input type="checkbox"/> Diamond drill <input type="checkbox"/> Borehole core sampling <input type="checkbox"/> Bulk soil sampling <ul style="list-style-type: none"> <input type="checkbox"/> gravel <input type="checkbox"/> hydrological Testing <input checked="" type="checkbox"/> Site Restoration <ul style="list-style-type: none"> <input type="checkbox"/> fertilization <input type="checkbox"/> grubbing <input type="checkbox"/> planting/seeding <input type="checkbox"/> reforestation <input type="checkbox"/> scarify <input type="checkbox"/> spraying <input checked="" type="checkbox"/> re-contouring <input checked="" type="checkbox"/> Slashing and removal of vegetation <input type="checkbox"/> Soil Testing <input type="checkbox"/> Stream Crossing/Bridging <input type="checkbox"/> Tunnelling/Underground <input type="checkbox"/> Other: |
|--|---|

NTS topographic map sheet numbers:
95J/1

Latitude / longitude and UTM system:

Minimum Latitude: 62°02.440' N Maximum Latitude: 62°02.500' N
 Minimum Longitude: 122°01.416' W Maximum Longitude: 122°01.538' W

Nearest community and water body:
Fort Simpson; Mackenzie River

Land Status (consultation information)

- Free Hold/Private
 Commissioner's/Territorial Lands
 Federal Crown Land
 Municipal Land

Transboundary/Transregional Implications

- | | | | |
|---|--|---|--------------------------------|
| <input type="checkbox"/> British Columbia | <input type="checkbox"/> Alberta | <input type="checkbox"/> Saskatchewan | <input type="checkbox"/> Yukon |
| <input type="checkbox"/> Nunavut | <input type="checkbox"/> National Park | <input type="checkbox"/> Inuvialuit Settlement Region | |
| <input type="checkbox"/> Wek'èezhii | <input type="checkbox"/> Gwich'in | <input type="checkbox"/> Sahtu | |

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

Mitigation

There is a potential for the contamination of groundwater from the general use of equipment. The adherence of fuel storage, handling, and spill protocols should mitigate the environmental risk associated with fuel/oil leaks or spills.

Impact

2) Surface Water

- flow or level changes
- water quality changes

- water quantity changes
- drainage pattern changes
- temperature
- wetland changes/loss
- other:
- N/A

Mitigation

There is a potential for the contamination of surface water from the general use of equipment. The adherence of fuel storage, handling, and spill protocols should mitigate the environmental risk associated with fuel/oil leaks or spills.

Impact

3) Noise

- noise in/near water
- noise increase

- other:
- N/A

Mitigation

There is a potential for localized increases in noise due to heavy equipment use. This impact is short-term and reversible. No mitigation.

Impact

4) Land

- geologic structure changes
- soil contamination

- buffer zone loss
- soil compaction and settling
- destabilization/erosion
- permafrost regime alteration
- explosives/scarring

Mitigation

There is a potential for the contamination of soil contamination from the general use of equipment. The adherence of fuel storage, handling, and spill protocols should mitigate the environmental risk associated with fuel/oil leaks or spills.

other:

N/A

Impact
5) Non-renewable natural resources

Mitigation

resource depletion

No mitigation is required as this is a quarry operation for the removal of granular material.

other:

N/A

Impact
6) Air/climate/atmosphere

Mitigation

other:

There will be localized increase in vehicle emissions associated with the operation of heavy equipment and movement of vehicles. This impact is short-term and reversible; therefore no mitigation is required.

N/A

Biological Environment

Impact
1) Vegetation

Mitigation

species composition

species introduction

toxin/heavy accumulation

other:

N/A

Impact
1. Wildlife and Fish

Mitigation

effects on rare, threatened or endangered species

fish population changes

waterfowl population changes

breeding disturbance

population reduction

species diversity change

health changes

behavioural changes

habitat changes / effects

game species effects

toxins/ heavy metals

forestry changes

agricultural changes

other:

N/A

Interacting Environment

Impact

1) Habitat and Communities

Mitigation

- 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

2) Social and Economic

Mitigation

- 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 sites

effects to aboriginal lifestyle

other:

N/A

Notes:

Consultation

- Pursuant to section 27, paragraphs (a) and (b) of the **Dehcho First Nations** (DCFN) Interim Measures Agreement, the MVLWB has determined that written notice was given to the DCFN, and that a reasonable period of time was allowed for DCFN to make representations with respect to the application.

Preliminary Screener / Referring Body Information

Organization
Acho Dene Koe First Nation
Athabasca Denesuline Council
CanNor
CanNor - NWT Region
Deh Cho Land Use Planning Committee
Deh Gah Got'ie Dene Council
Dehcho First Nations
Dene Nation
Dene Tha' First Nation
Department of Fisheries and Oceans
Digaa Enterprises Ltd.
Environment and Climate Change Canada
Fort Providence Metis Council #57
Fort Providence Resource Management Board
Fort Simpson Metis Local 52
General Public
GNWT - ECE
GNWT - ENR
GNWT - Health
GNWT - INF
GNWT - ITI
GNWT - Lands
GNWT - MACA
GNWT- OROGO
Hamlet of Fort Liard
Hamlet of Fort Providence
Hay River Metis Council
INAC - Contaminants and Remediation Directorate
INAC - NWT Inspectors

Organization
Ka'a'gee Tu First Nation
Katloodeeche First Nation
Liard First Nation (Yukon)
Liidlii Kue First Nation (Ft. Simpson)
Liidlii Kue First Nation (Ft. Simpson)
Mackenzie Valley Environmental Impact Review Board
MVLWB
Naha Dehe Dene Band
North Slave Metis Alliance
Northwest Territory Metis Nation
Pehdzeh Ki First Nation (Wrigley)
Ross River Dena Council
Sambaa Ke First Nation (Trout Lake)
Sambaa Ke First Nation (Trout Lake)
Snap Lake Environmental Monitoring Agency - SLEMA
Transport Canada
TthedzehK?edeli First Nation (JMR)
West Point First Nation
WLWB
Workers' Safety and Compensation Commission

Reasons For Decision

DECISION

The Mackenzie Valley Land and Water Board (the Board) is satisfied that the preliminary screening of Application MV2017Q0033, KM 518/521 Quarry, Type A Land Use Permit has been completed in accordance with section 125 of the *Mackenzie Valley Resource Management Act* (MVRMA).

The Board is satisfied that communities and First Nations affected by the Application have been notified and provided adequate time to provide comment on the Application as required by land claim and self government agreements, the MVRMA, policy directions relating to Interim Measures Agreements, and any other applicable legislation and agreements.

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:

- The proposed development will not have a significant adverse impact on the environment; and
- The proposed development is not 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 MVRMA 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>

Preliminary Screening Organization

Mackenzie Valley Land and Water Board

May 24, 2018

Signatures

Mavis Cli-Michaud, Chair