

Preliminary Screening Report Form

<p>Preliminary screener: MVLWB</p> <p>Reference / File number: MV2019S0017</p> <p>TITLE: Geotechnical Investigation</p> <p>ORGANIZATION: Government of the Northwest Territories – Department of Infrastructure</p> <p>MEETING DATE: August 29, 2019</p>	<p>EIRB</p> <p>Reference number:</p>
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Type of Development:
(CHECK ALL THAT APPLY)

- | | |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | New |
| <input type="checkbox"/> | Amend, EIRB Ref. # |
| <input checked="" type="checkbox"/> | Requires permit, licence, or authorization |
| <input type="checkbox"/> | Does not require permit, licence, or authorization |

Project Summary:

On June 18, 2019, GNWT-INF submitted an application for geotechnical investigations at three different sites. The project will also include test pitting and clearing a trail. The purpose of the Application is to investigate potential sources of gravel for highway maintenance. There will be no camp set up required for the project as local accommodations will be used in Fort Liard. The sites will be accessed in the summer and winter, the access routes for two of the sites will require minor clearing of previous access trails and a small portion of new access. In relation to the access, GNWT-INF indicate that they will not be requiring a Water Licence for the establishment of winter access. However, if it is determined one is needed, they will apply for a Licence.

There will be a total of 20 pieces of equipment used on the project and GNWT-INF is requesting a permit term of five years with a possible extension if needed.

Scope:

- a) Geotechnical Investigations;
- b) Use of equipment; and
- c) Access road construction.

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

Type of Disposition

Disposition Number(s)

- Mineral Claims
- Prospecting Permit (s)
- Mineral Leases
- Oil and Gas: EL/SDL/PL
- Quarry Permit
- Timber Permit
- Other:

Confirmation from GNWT- Department of Lands that no formal right is required by GNWT-INF

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 checked="" type="checkbox"/> Maintenance | <input type="checkbox"/> Recreation | <input type="checkbox"/> Aerial |
| <input type="checkbox"/> Expansion | <input type="checkbox"/> Municipal | <input type="checkbox"/> Harvesting |
| <input checked="" type="checkbox"/> Operation | <input type="checkbox"/> Quarry | <input type="checkbox"/> Camp |
| <input type="checkbox"/> Repair | <input checked="" type="checkbox"/> Linear / Corridor | <input type="checkbox"/> Scientific/ |
| <input type="checkbox"/> Research | <input type="checkbox"/> Sewage | <input type="checkbox"/> Solid Waste |
| <input type="checkbox"/> Water Intake | | |
| <input checked="" type="checkbox"/> Other: Geotechnical | | |

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

- | | |
|--|--|
| <input checked="" type="checkbox"/> Access Road <ul style="list-style-type: none"> <input checked="" type="checkbox"/> construction <input type="checkbox"/> abandonment/removal <input checked="" type="checkbox"/> modification e.g., widening, straightening <input checked="" type="checkbox"/> Automobile, Aircraft or Vessel Movement <ul style="list-style-type: none"> <input type="checkbox"/> Blasting <input type="checkbox"/> Building <input type="checkbox"/> Burning <input type="checkbox"/> Burying <input type="checkbox"/> Channelling <input type="checkbox"/> Cut and Fill <input checked="" 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 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 | <input checked="" type="checkbox"/> Waste Management <ul style="list-style-type: none"> <input checked="" type="checkbox"/> disposal of hazardous waste <input checked="" type="checkbox"/> waste generation <input checked="" type="checkbox"/> sewage <ul style="list-style-type: none"> <input type="checkbox"/> disposal of sewage <input checked="" type="checkbox"/> Geoscientific Sampling <ul style="list-style-type: none"> <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 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 type="checkbox"/> re-contouring <input type="checkbox"/> Slashing and removal of vegetation <input checked="" type="checkbox"/> Soil Testing <input type="checkbox"/> Stream Crossing/Bridging <input type="checkbox"/> Tunnelling/Underground <input type="checkbox"/> Other: |
|--|--|

NTS topographic map sheet numbers:

95B

Latitude / longitude and UTM system:

60,11.0 – 123,15.0

60,18.0 – 123,28.6

Nearest community and water body:

Fort Liard, NT

Liard River and Muskeg 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

Mitigation

As per the proponent's Spill Contingency Plan, the Permittee is required to have adequate spill kits, a spill response plan, and is to report any spills to the NWT Spill Report Line. Conditions will be considered in the Permit to ensure spills are reported in accordance with the GNWT Spill Contingency Planning and Reporting Regulations, and that the Permittee shall clean up all leaks, spills, and contaminated material.

water quality changes

As per the proponent's Spill Contingency Plan, the Permittee is required to have adequate spill kits, a spill response plan, and is to report any spills to the NWT Spill Report Line. Conditions will be considered in the Permit to ensure spills are reported in accordance with the GNWT Spill Contingency Planning and Reporting Regulations, and that the Permittee shall clean up all leaks, spills, and contaminated material.

infiltration changes

other:

N/A

Impact

2) Surface Water

flow or level changes

water quality changes

Mitigation

As per the proponent's Spill Contingency Plan, the Permittee is required to have adequate spill kits, a spill response plan, and is to report any spills to the NWT Spill Report Line. Conditions will be considered in the Permit to ensure spills are reported in accordance with the GNWT Spill Contingency Planning and Reporting Regulations, and that the Permittee shall clean up all leaks, spills, and contaminated material.

water quantity changes

drainage pattern changes

temperature

wetland changes/loss

other:

N/A

Impact

3) Noise

noise in/near water

noise increase

Mitigation

There is no proposed mitigation. Any noise increases will be temporary and short-term in duration.

other:

N/A

Impact

4) Land

geologic structure changes

Mitigation

soil contamination As per the proponent's Spill Contingency Plan, the Permittee is required to have adequate spill kits, a spill response plan, and is to report any spills to the NWT Spill Report Line.

buffer zone loss

soil compaction and settling There is no proposed mitigation. Increased activity will cause soil compaction but is required for the project.

destabilization/erosion

permafrost regime alteration

explosives/scarring

other:

N/A

Impact

5) Non-renewable natural resources

Mitigation

resource depletion

other:

N/A

Impact

6) Air/climate/atmosphere

Mitigation

other: greenhouse gasses There will be an increase in the emissions from machinery operation in this area. This will be temporary and minimal. No mitigation is proposed.

N/A

BIOLOGICAL ENVIRONMENT

Impact

1) Vegetation

Mitigation

species composition

species introduction

toxin/heavy accumulation

other: Linear Migration routes, habitat fragmentation

N/A

Impact

2) Wildlife and Fish

Mitigation

effects on rare, threatened or endangered species

fish population changes

waterfowl population changes

breeding disturbance

Paragraph 6(a) of the Migratory Bird Regulations, pursuant to the *Migratory Birds Convention Act*, states that no one shall disturb or destroy the nests or eggs of migratory birds. The Permittee has committed to not clear any brush in any wetland areas where migratory birds might be nesting.

population reduction

species diversity change

health changes

behavioural changes

With the increase in activity in the area wildlife can potentially avoid the area.

habitat changes / effects

Permit conditions will be considered to ensure no petroleum products spread to surrounding lands or into water bodies. A Spill Contingency Plan has also been submitted with this application.

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

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

There is the potential for historic property to be found, conditions as well as the Mackenzie Valley Land Use Regulations provide mitigation including a buffer around any suspected area.

- increased economic pressure on historic properties

- change to or loss of historic resources

There is the potential for historic property to be found, conditions as well as the Mackenzie Valley Land Use Regulations provide mitigation including a buffer around any suspected area.

- change to or loss of archaeological resources

There is the potential for historic property to be found, conditions as well as the Mackenzie Valley Land Use Regulations provide mitigation including a buffer around any suspected area.

- increased pressure on archaeological sites

- change to or loss of aesthetically important sites

- effects to aboriginal lifestyle

- other:

- N/A

- Pursuant to Schedule 4.1 of the **Northwest Territory Métis Nation (NWTMN)** Interim Measures Agreement, the MVLWB determined that written notice was given to the NWTMN and that a reasonable period of time was allowed for NWTMN to make representations with respect to the application.
- 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

Acho Dene Koe First Nation
CanNor NWT Region
Deh Cho Land Use Planning Committee
Deh Gah Got'ie Dene Council
Dehcho First Nations
Dene Nation
Dene Tha' First Nation
Deninu K'ue First Nation
Digaa Enterprises Ltd.
Environment and Climate Change Canada
Fisheries and Oceans Canada
Fort Providence Resource Management Board
Fort Simpson Metis Local 52
Forward Mining
GNWT - ECE
GNWT - ENR
GNWT - ENR - Deh Cho Region
GNWT - ENR - South Slave Region - Fort Smith
GNWT - Health
GNWT - INF
GNWT - ITI
GNWT - Lands
GNWT - Lands - Dehcho Region
GNWT - Lands - Hay River Region
GNWT - Lands - North Slave Region
GNWT - Lands - South Slave Region - Fort Smith

GNWT - MACA
Hamlet of Fort Liard
Hamlet of Fort Providence
INAC - CARD
INAC - NWT Inspectors
INAC - Yellowknife
Ka'a'gee Tu First Nation
Katlodeeche First Nation
Liard First Nation (Yukon)
Liidlii Kue First Nation (Ft Simpson)
Mackenzie Valley Environmental Impact Review Board
Naha Dehe Dene Band
North Slave Metis Alliance
NWT- OROGO
Pehdzeh Ki First Nation (Wrigley)
Ross River Dena Council
Sambaa Ke First Nation (Trout Lake)
Snap Lake Environmental Monitoring Agency - SLEMA
Tlicho Government
Town of Hay River
Transport Canada
Tthets'ek'ehdeli First Nation (JMR)
Wek' eezhii Renewable Resources Board
West Point First Nation
WLWB
Wood

Reasons For Decision

(List all reasons and supporting rationales for preliminary screening decision)

DECISION

The Mackenzie Valley Land and Water Board (the Board) is satisfied that the preliminary screening of Application MV2019S0017 - Government of the Northwest Territories - Department of Infrastructure - Geotechnical Investigation - Fort Liard Area, NT 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 conditions of a land use permit.

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

August 29, 2019

Signatures

Mavis Cli-Michaud, Chair