

**Preliminary Screening Report Form**

<p><b>Preliminary screener:</b> MVLWB</p> <p><b>Reference / File number:</b> MV2018L3-0001</p> <p><b>TITLE:</b> Type B Water Licence <b>ORGANIZATION:</b> Sambaa K'e First Nation</p> <p><b>MEETING DATE:</b> February 21, 2019</p>	<p><b>EIRB</b></p> <p><b>Reference number:</b></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:**

Municipal undertakings of the Sambaa K'e First Nation.

**Scope:**

This Licence entitles the Sambaa K'e First Nation to use Water and dispose of Waste for municipal undertakings at Sambaa K'e, Northwest Territories (60°26' N, 121°14' W).

**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:

Municipal undertakings – Territorial Lands

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

- |   |  |  |
|---|--|--|
| <ul style="list-style-type: none"> <li><input type="checkbox"/> Construction</li> <li><input type="checkbox"/> Installation</li> <li><input checked="" type="checkbox"/> Maintenance</li> <li><input type="checkbox"/> Expansion</li> <li><input checked="" type="checkbox"/> Operation</li> <li><input type="checkbox"/> Repair</li> <li><input type="checkbox"/> Research</li> <li><input checked="" type="checkbox"/> Water Intake</li> <li><input type="checkbox"/> Other:</li> </ul> | <ul style="list-style-type: none"> <li><input type="checkbox"/> Exploration</li> <li><input type="checkbox"/> Industrial</li> <li><input type="checkbox"/> Recreation</li> <li><input checked="" type="checkbox"/> Municipal</li> <li><input type="checkbox"/> Quarry</li> <li><input type="checkbox"/> Linear / Corridor</li> <li><input checked="" type="checkbox"/> Sewage</li> </ul> | <ul style="list-style-type: none"> <li><input type="checkbox"/> Decommissioning</li> <li><input type="checkbox"/> Abandonment</li> <li><input type="checkbox"/> Aerial</li> <li><input type="checkbox"/> Harvesting</li> <li><input type="checkbox"/> Camp</li> <li><input type="checkbox"/> Scientific/</li> <li><input checked="" type="checkbox"/> Solid Waste</li> </ul> |
|---|--|--|

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

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li><input type="checkbox"/> Access Road                             <ul style="list-style-type: none"> <li><input type="checkbox"/> construction</li> <li><input type="checkbox"/> abandonment/removal</li> <li><input type="checkbox"/> modification e.g., widening, straightening</li> </ul> </li> <li><input type="checkbox"/> Automobile, Aircraft or Vessel Movement</li> <li><input type="checkbox"/> Blasting</li> <li><input type="checkbox"/> Building</li> <li><input type="checkbox"/> Burning</li> <li><input checked="" type="checkbox"/> Burying</li> </ul> | <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Waste Management                             <ul style="list-style-type: none"> <li><input type="checkbox"/> disposal of hazardous waste</li> <li><input checked="" type="checkbox"/> waste generation</li> <li><input checked="" type="checkbox"/> sewage</li> <li><input checked="" type="checkbox"/> disposal of sewage</li> </ul> </li> <li><input type="checkbox"/> Geoscientific Sampling</li> <li><input type="checkbox"/> Trenching</li> <li><input type="checkbox"/> Diamond drill</li> <li><input type="checkbox"/> Borehole core sampling</li> </ul> |
|---|--|

- Channelling
- Cut and Fill
- 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

- Bulk soil sampling
  - gravel
  - hydrological Testing
- Site Restoration
  - fertilization
  - grubbing
  - planting/seeding
  - reforestation
  - scarify
  - spraying
  - re-contouring
- Slashing and removal of vegetation
- Soil Testing
- Stream Crossing/Bridging
- Tunnelling/Underground
- Other:

**NTS topographic map sheet numbers:**

095A6

**Latitude / longitude and UTM system:**

60°26' N, 121°14' W

**Nearest community and water body:**

Sambaa K'e, Trout Lake

**Land Status (consultation information)**

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

**Transboundary/Transregional Implications**

- British Columbia    
  Alberta    
  Saskatchewan    
  Yukon  
 Nunavut    
  National Park    
 Inuvialuit Settlement Region  
 Wek'èezhii    
 Gwich'in    
 Sahtu

**Type of transboundary implication:**

- Impact / Effect    
 Development

Public concern: \_\_\_\_\_  
(Describe)

**Physical - Chemical Effects**

**Impact**

**1) Ground Water**

- water table alteration
- water quality changes

**Mitigation**

The disposal of waste at the Solid Waste Disposal Facilities and Sewage Disposal Facilities could impact groundwater. Sampling at Surveillance Network Program (SNP) sites will monitor any runoff from these sites.

Spills of fuel could impact groundwater quality. The Spill Contingency Plan and updates to the Plan will help mitigate any impacts to groundwater.

The Operation and Maintenance Plans, and updates to the Plans, will help ensure that the Solid Waste Disposal Facilities and Sewage Disposal Facilities are operated in order to minimize impacts to groundwater. Monitoring will allow SKFN to adaptively manage the Facilities if any effects are observed.

A Closure and Reclamation Plan for each specific component of the undertaking will help ensure that component of the undertaking is closed and reclaimed in order to minimize impacts to groundwater.

infiltration changes

See above under water quality changes.

other:

N/A

**Impact**

**Mitigation**

**2) Surface Water**

flow or level changes

The amount of water allowed to be used under this Licence is 60,000 cubic metres per year. Considering the source, Trout Lake, this should not result in any flow or water level changes. No mitigation.

water quality changes

The disposal of waste at the Solid Waste Disposal Facilities and Sewage Disposal Facilities could impact surface water. Sampling at Surveillance Network Program (SNP) sites will monitor any runoff from these sites.

Spills of fuel could impact surface water quality. The Spill Contingency Plan and updates to the Plan will help mitigate any impacts to surface water.

The Operation and Maintenance Plans will help ensure that the Solid Waste Disposal Facilities and Sewage Disposal Facilities are operated in order to minimize any impacts to surface water.

A Closure and Reclamation Plan for each specific component of the undertaking will help ensure that component of the undertaking is closed and reclaimed in order to minimize impacts to surface water.

water quantity changes

drainage pattern changes

temperature

wetland changes/loss

other:

N/A

**Impact**

**Mitigation**

**3) Noise**

noise in/near water

noise increase

other:

N/A

**Impact**

**Mitigation**

**4) Land**

geologic structure changes

soil contamination      Soil contamination may occur in the event of a spill. The Spill Contingency Plan and updates to the Plan will help mitigate any soil contamination impacts.

SNP site sampling will monitor runoff from the Solid Waste Disposal Facilities and Sewage Disposal Facilities.

buffer zone loss

soil compaction and settling      Soils will be compacted during the operations of the Solid Waste Disposal Facilities due to movement of equipment and compaction of waste. This impact will be confined to the Solid Waste Disposal Facilities.

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

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
- population reduction
- species diversity change
- health changes
- behavioural changes

Food wastes and other substances disposed of at the Solid Waste Disposal Facilities may attract wildlife. Fencing at the Solid Waste Disposal Facilities that is capable of capturing windswept Waste, deterring wildlife, and preventing unauthorized persons from entering the site, is proposed. Waste handling measures included in the Operation and Maintenance Plan will help ensure any effects are minimized.

- habitat changes / effects
- game species effects
- toxins/ heavy metals

Leachate from the Solid Waste Disposal Facilities may contain mercury or other metals, which may have an impact on soil and vegetation in the surrounding area. SNP site sampling will monitor runoff from the Facilities.

- 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

Runoff from the Solid Waste Disposal Facilities and Sewage Disposal Facilities may post a human health hazard. SNP site sampling will monitor leachate to determine any impacts to down-gradient surface waters. Fencing is proposed at the Solid Waste Disposal Facilities.

**Impact**

**Mitigation**

**3) Cultural and Heritage**

- 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

- 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
Digaa Enterprises Ltd.
Environment and Climate Change Canada
Fisheries and Oceans Canada
Fort Providence Metis Council #57
Fort Providence Resource Management Board
Fort Simpson Metis Local 52
Forward Mining
Government of the Northwest Territories – Education, Culture and Employment
Government of the Northwest Territories – Environment and Natural Resources
Government of the Northwest Territories - Environment and Natural Resources - Deh Cho Region
Government of the Northwest Territories - Environment and Natural Resources - South Slave Region - Fort Smith
Government of the Northwest Territories – Health and Social Services
Government of the Northwest Territories - Infrastructure
Government of the Northwest Territories – Industry, Tourism and Investment
Government of the Northwest Territories - Lands
Government of the Northwest Territories - Lands - Dehcho Region
Government of the Northwest Territories - Lands - Hay River Region
Government of the Northwest Territories - Lands - North Slave Region
Government of the Northwest Territories - Lands - South Slave Region - Fort Smith
Government of the Northwest Territories – Municipal and Community Affairs
Government of the Northwest Territories – Office of the Regulator of Oil and Gas Operations
Hamlet of Fort Liard
Hamlet of Fort Providence
Indigenous and Northern Affairs Canada – Contaminants and Remediation Directorate
Indigenous and Northern Affairs Canada - NWT Inspectors
Ka'a'gee Tu First Nation
Kát'odeeche First Nation
Liard First Nation (Yukon)
Mackenzie Valley Environmental Impact Review Board
Naha Dehe Dene Band
North Slave Metis Alliance
Pehdzeh Ki First Nation (Wrigley)
Ross River Dena Council
Sambaa K'e First Nation (Trout Lake)
Snap Lake Environmental Monitoring Agency
Tlicho Government
Transport Canada
Tthets'ek'ehdeli First Nation (JMR)
West Point First Nation
Wek'èezhii Land and Water Board
Wood
Workers' Safety and Compensation Commission

**Reasons For Decision**  
(List all reasons and supporting rationales for preliminary screening decision)

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**DECISION**

The Mackenzie Valley Land and Water Board (the Board) is satisfied that the preliminary screening of Application MV2018L3-0001, Samba K'e First Nation, municipal undertakings, Samba K'e, Northwest Territories 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 Water Licence MV2018L3-0001.

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 *Waters Act* and Waters Regulations has decided that this Water Licence be issued subject to the terms and conditions contained therein.

Preliminary Screening Decision	
<input 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 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>
<input checked="" 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 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>

**Preliminary Screening Organization**

Mackenzie Valley Land and Water Board

February 21, 2019

**Signatures**

Mavis Cli-Michaud, Chair