

**PRELIMINARY SCREENING REPORT FORM**

<p><b>PRELIMINARY SCREENER:</b> WLWB  <b>REFERENCE / FILE NUMBER:</b> W2014L3-0002  <b>TITLE:</b> Community of Behchoko, Type A Water Licence  <b>ORGANIZATION:</b> Community Government of Behchoko  <b>MEETING DATE:</b> August 11, 2014</p>	<p><b>EIRB REFERENCE NUMBER:</b> _</p>
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**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**

Municipal undertakings of the Community Government of Behchoko.

**Scope**

This licence entitles the Community Government of Behchoko to use water and dispose of waste for municipal undertakings at Rae and Edzo, Northwest Territories (62°50'N and 116°03'W). This screening refers to the April 29, 2014 [water licence application](#) made by the Community Government of Behchoko to the Wek'èezhì Land and Water Board. The application includes the proposed construction of a new solid waste disposal facility.

**Principal Activities (related to scoping)**

(CHECK ALL THAT APPLY)

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

**Principal Development Components (related to scoping)**

- Access road
- Construction
- Abandonment/Removal
- Modification e.g., widening, straightening
- Automobile, aircraft or vessel movement
- Blasting
- Building
- Burning
- Burying
- Channeling
- 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
  - removal
  - disposal
  - storage
- Waste management
- Disposal of hazardous waste
- Waste generation
- Sewage
- Disposal of sewage
- Geoscientific sampling
  - Trenching
  - Diamond drill
  - Borehole core sampling
  - Bulk soil sampling
  - Gravel
  - 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**

(LIST ALL THAT APPLY)

85 K 14

**Latitude / Longitude and UTM System:**

62°50' N and 116°03' N

**Nearest Community and Water Body:**

Nearest Community: Behchokò (Rae-Edzo), NT

Nearest Water Body: Marion Lake and Great Slave Lake

**Land Status (consultation information)**

- Free Hold/Private
- Commissioners/Public Territorial Land
- Federal Crown Land
- Municipal Land
- Tłjchq Lands

**Transboundary Implications**

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

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

Public Concern

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(DESCRIBE)

**PHYSICAL - CHEMICAL EFFECTS**

**IMPACT**

**1. Ground Water**

- water table alteration
- water quality changes

**MITIGATION**

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

Spills of fuel and other hazardous wastes could impact ground water quality. The Spill Contingency Plan, the Hazardous Waste Management Plan, and annual updates to these plans will help mitigate impacts to ground water.

The Operations and Maintenance Plan, and updates to the Plan, will help ensure that the new Solid Waste Facility and Sewage Treatment Facilities are operated in such a way to minimize impacts to ground water. Monitoring will allow the Community to adaptively manage the facilities if effects are noticed.

The Closure and Reclamation Plan will help ensure that the old Solid Waste Facility and Landfarm are operated in such a way to minimize impacts to ground water. Sampling at Surveillance Network Program (SNP) sites will monitor runoff from these sites.

- infiltration changes
- other
- N/A

**IMPACT**

**2. Surface Water**

- flow or level changes
- water quality changes

**MITIGATION**

The Operation and Maintenance Plan will help ensure that the new Solid Waste Disposal Facility and Sewage Treatment Facilities are operated in such a way to minimize impacts to any surface water.

Spills of fuel and other hazardous wastes can impact on ground water quality. The Spill Contingency Plan, the Hazardous Waste Management Plan, and the annual updates to both plans will help mitigate any impacts to ground water.

The Closure and Reclamation Plan will help ensure that the old Solid Waste Facility and Landfarm are operated in such a way to minimize impacts to surface water. Sampling at Surveillance Network Program (SNP) sites would monitor runoff from these sites.

- 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

**MITIGATION**

**IMPACT**

**4. Land**

- geologic structure changes
- soil contamination

**MITIGATION**

Soil contamination may occur in the event of a fuel or hazardous waste spill.

The Spill Contingency Plan, the Hazardous Waste Management Plan, and annual updates to plans would help mitigate any soil contamination impacts.

SNP site sampling would monitor runoff from the Solid Waste Disposal Facilities, Landfarm, and Sewage Treatment Facilities.

- buffer zone loss
- soil compaction & settling
- Destabilization / erosion
- permafrost regime alteration
- other: explosives/scarring
- N/A

Soils will be compacted during the construction and operation of the Solid Waste Disposal Facilities due to the movement of equipment and compaction of garbage. This will be confined to the Solid Waste Disposal Facilities.

**IMPACT**

**5. Non Renewable Natural Resources**

- resource depletion
- other:

**MITIGATION**

N/A

**IMPACT**

**6. Air/Climate/  
Atmosphere**

**MITIGATION**

Other

Exhaust from equipment and dust resulting from solid waste facilities construction activities, will add to atmospheric loadings of pollutants. Minimal increases in traffic will result in minimal increases in dust from vehicle movement. All dust disturbance will be temporary, minimal, and localized.

N/A

**BIOLOGICAL ENVIRONMENT**

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**IMPACT**

**1. Vegetation**

**MITIGATION**

species composition

species introduction

toxin / heavy  
accumulation

other: Local Disturbance

Removal of vegetation for the construction of the solid waste facilities will be minimal and localized.

N/A

**IMPACT**

**2. Wildlife & Fish**

**MITIGATION**

effects on rare,  
threatened or endangered  
species

fish population changes

waterfowl population  
change

breeding disturbance

population reduction

species diversity change

health changes  
(Identify)

behavioural changes  
(Identify)

Food wastes and other substances disposed of the Solid Waste Facility may attract wildlife. A fence is proposed for the new facility. Waste handling measures provided in the Operation and Maintenance Plan will help ensure that effects are minimized.

habitat changes / effects

game species effects

toxins / heavy metals

Leachate from the Solid Waste Disposal Facilities and Landfarm may contain high levels of mercury and other metals which may have impact on soil and vegetation in the surrounding area. SNP site sampling would monitor runoff from the facilities.

forestry changes

agricultural changes

other:

N/A

## INTERACTING ENVIRONMENT

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### **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, Landfarm, and Sewage Treatment Facility may pose a health hazard. SNP testing would monitor that leachate is not affecting down-gradient surface waters. Fencing is proposed for new 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 site
- effects to aboriginal lifestyle



other:

N/A

**NOTES:**

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

	RA or DRA	ADVICE	PERMIT REQUIRED
Environment Canada	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fisheries and Oceans Canada	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Aboriginal Affairs and Northern Development Canada	<input type="checkbox"/>	<input checked="" 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"/>
Canadian Northern Economic Development Agency	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Works and Government 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 Defense	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GNWT – ENR	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GNWT - LANDS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GNWT - MACA	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GNWT - Transportation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GNWT – ITI	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Prince of Wales Northern Heritage Centre	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wek'èezhii Renewable Resources Board	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MVEIRB	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MVLWB	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Deh Cho First Nations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tłjchq Government	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tłjchq Lands Protection Department	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Behchoko Community Government	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gameti Community Government	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wekweèti Community Government	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Whati Community Government	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Deninu K'ue First Nation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lutsel K'e Dene First Nation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Akaiicho IMA Implementation office	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Yellowknives Dene First Nation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rae-Edzo Metis Local #64	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kitimeot Inuit Association	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
North Slave Metis Alliance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Northwest Territory Metis Nation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



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## PRELIMINARY SCREENING DECISION

### Decision

Under section 124(1) of the *Mackenzie Valley Resource Management Act* (MVRMA), the Wek'èezhìi Land and Water Board (the Board) has conducted a preliminary screening of the application for a Type A water licence for the Community Government of Behchoko as described in the application package submitted on April 29, 2014.

Notice of the WL application was given in accordance with Sections 63 and 64 of the MVRMA and Section 43 of the *Waters Act*. The Board is satisfied that a reasonable period of notice was given to Communities and First Nations as required by Section 63 of the MVRMA so that they could provide comments to the Board. The Board is also satisfied that the Tìjchq Government has also been consulted in accordance with Section 63 of the MVRMA.

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 or other materials prepared for the Board, the Board has decided under Section 125(1) of the MVRMA that in its opinion:

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

Further information regarding the Board's reasons for decision is set out below.

### Environmental Impacts

Based on the evidence provided to the Board, the Board considered whether the Community's use of water and deposit of waste might have a significant adverse impact on the environment. Mitigation measures for various potential impacts are specifically identified in the Preliminary Screening Form above. In general, impacts from the Community's use of water and deposit of waste on the environment can be mitigated through the use of Water Licence conditions of three general types:

1. conditions in the existing Water Licence, including management and monitoring plans, that will be applied to the Community's use of water and deposit of waste with revisions where necessary;
2. common conditions which are normally included in Municipal water licences that are applicable to the Community Government of Behchoko; and
3. new or unique conditions that may be needed to mitigate specific aspects that may not covered by the two types of conditions above.

These conditions will be discussed in further detail by all parties through the regulatory process, the steps of which are set out in the work plan established by the WLWB.

The terms and conditions in the Licence will only be finalized by the Board following completion of a public hearing and after hearing from First Nations, Government (including the Tìjchq Government), the NSMA, and the public.

**Conclusion**

The Board has reviewed all the evidence received from the Community Government of Behchoko and reviewers, and has had the opportunity to review Board staff's analysis and recommendations with respect to Preliminary Screening of the application for a Type A Water Licence. Based on the mitigations outlined in the Preliminary Screening Form and the reasons described above, the Wek'èzhii Land and Water Board is of the opinion that the development proposal can proceed to the regulatory process.

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 Environmental Impact Review Board (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 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



**Acting Chair, Wek'èzhii Land and Water Board**