

**PRELIMINARY SCREENING REPORT FORM**

<p><b>PRELIMINARY SCREENER: GLWB</b></p> <p><b>REFERENCE / FILE NUMBER: G05F001/G05L002</b></p> <p><b>TITLE: Winter Road/Communication Tower Reclamation</b></p> <p><b>ORGANIZATION: Northwestel Inc.</b></p> <p><b>DATE: January 23, 2005</b></p>	<p><b>EIRB REFERENCE NUMBER:</b></p>
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**Type of Development:**  
(CHECK ALL THAT APPLY)

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

**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 type="checkbox"/> Maintenance             | <input type="checkbox"/> Recreation                   | <input type="checkbox"/> Aerial                     |
| <input 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 type="checkbox"/> Repair                  | <input checked="" type="checkbox"/> Linear / Corridor | <input type="checkbox"/> Scientific/                |
| <input type="checkbox"/> Research                |   |   |
| <input 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)**

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Access Road<br><input type="checkbox"/> construction<br><input checked="" type="checkbox"/> abandonment/removal<br><input type="checkbox"/> modification e.g., widening, straightening<br><input checked="" type="checkbox"/> Automobile, Aircraft or Vessel Movement<br><input type="checkbox"/> Blasting<br><input type="checkbox"/> Building<br><br><input type="checkbox"/> Burying<br><input type="checkbox"/> Channeling<br><input type="checkbox"/> Cut and Fill<br><input checked="" type="checkbox"/> Cutting of Trees or Removal of Vegetation<br><input type="checkbox"/> Dams and Impoundments<br><input type="checkbox"/> construction<br><input type="checkbox"/> abandonment/removal<br><input type="checkbox"/> modification<br><input type="checkbox"/> Ditch Construction<br><input type="checkbox"/> Drainage Alteration<br><input type="checkbox"/> Drilling other than Geoscientific<br><input type="checkbox"/> Ecological Surveys<br><input checked="" type="checkbox"/> Excavation<br><input type="checkbox"/> Explosive Storage<br><input checked="" type="checkbox"/> Fuel Storage<br><input checked="" type="checkbox"/> Topsoil, Overburden or Soil<br><input type="checkbox"/> fill <input checked="" type="checkbox"/> removal<br><input checked="" type="checkbox"/> disposal <input checked="" type="checkbox"/> storage | <input type="checkbox"/> Waste Management<br><input checked="" type="checkbox"/> disposal of hazardous waste<br><input checked="" type="checkbox"/> waste generation<br><input checked="" type="checkbox"/> Sewage<br><input type="checkbox"/> disposal of sewage<br><input type="checkbox"/> Geoscientific Sampling<br><input type="checkbox"/> trenching<br><input type="checkbox"/> Burning<br><input type="checkbox"/> diamond drill<br><input type="checkbox"/> borehole core sampling<br><input type="checkbox"/> bulk soil sampling<br><input type="checkbox"/> Gravel<br><input type="checkbox"/> Hydrological Testing<br><input checked="" type="checkbox"/> Site Restoration<br><input type="checkbox"/> fertilization<br><input type="checkbox"/> grubbing<br><input type="checkbox"/> planting/seeding<br><input type="checkbox"/> reforestation<br><input type="checkbox"/> scarify<br><input type="checkbox"/> spraying<br><input type="checkbox"/> recontouring<br><input checked="" type="checkbox"/> Slashing and removal of vegetation<br><input checked="" type="checkbox"/> Soil Testing<br><input type="checkbox"/> Stream Crossing/Bridging<br><input type="checkbox"/> Tunneling/Underground<br><input type="checkbox"/> Other (describe): water intake |
|--|--|

**NTS Topographic Map Sheet Numbers**  
106N NAD 27

**Latitude / Longitude and UTM System:**  
N67\*20' / W133\* 30' & N67\*30' / W133\* 50'

**Nearest Community and Water Body:**  
Tsiigetichic and Tso Lake/ Mackenzie River

**Land Status (*consultation information*)**

Free Hold / Private                       Commissioners Land                       Federal Crown Land                       Municipal Land

**Transboundary Implications**

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

**Type of Trans-boundary Implication:**

Impact / Effect                       Development                       Observer                       Public Concern \_ None

PHYSICAL - CHEMICAL EFFECTS

**IMPACT**

**MITIGATION**

**1. Ground Water**

water table alteration  
 water quality changes

infiltration changes

other  
 N/A

Some soil disturbances may occur over the project time frame – permit conditions require the storage and redistribution of soil to ground and re-vegetation of the ground surface.

**IMPACT**

**MITIGATION**

**2. Surface Water**

- flow or level changes
- Water quality changes
- Water quantity changes
- Drainage pattern changes
- temperature
- wetland changes / loss
- other:
- N/A

-  
-  
-  
-  
-  
-

**IMPACT**

**MITIGATION**

**3. Noise**

- noise in/near water
- other: noise increase
- N/A

- Increase in noise due to presence of equipment will end on completion of the project

**IMPACT**

**MITIGATION**

**4. Land**

- geologic structure changes
- soil contamination
- buffer zone loss
- soil compaction & settling
- Destabilization / erosion
- permafrost regime alteration
- other:
- N/A

Currently the soil is contaminated, the operation is a requirement by DIAND to restore and treat/ remove the affected soil

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-

Some compaction will take place in the summer months, however the soil is to be treated where possible and remove where necessary

Proponent required to produce a reclamation plan prior to summer field work

- May be necessary to remove toxins

**IMPACT**

**MITIGATION**

**5. Non Renewable Natural Resources**

-

other:

N/A

**IMPACT**

**MITIGATION**

**6. Air/Climate/ Atmosphere**

Ice fog and emissions from generator

Some emissions due to stationary generators needed to supply power to the project

Burning of residua/slash along seismic cutlines

- Burning is requested in the application but will not be allowed under the permit for fire hazard reasons

**BIOLOGICAL ENVIRONMENT  
IMPACT**

**MITIGATION**

**1. Vegetation**

species composition

-

species introduction

toxin / heavy accumulation

Toxins present onsite will be removed to an approved facility, currently there are no approved hazardous waste facilities in the Gwich'in Region therefore material are to be hauled out of the NWT.

other:

N/A

**IMPACT**

**MITIGATION**

**1. Wildlife & Fish**

-

fish population changes

- Fuel to be located 30m away from the normal high water mark

waterfowl population changes

breeding disturbance

population reduction

species diversity change

health changes  
(waste may be harmful to wildlife)

- The project is being under taken to remove the potential harm to environment and wildlife

- behavioural changes (avoidance behaviour and blockage of migration or movement corridors) -
- habitat changes / effects
- game species effects -
- toxins / heavy metals - Lead and PCB's are to be removed from site
- forestry changes - Minor Slashing is to occur, access is along an established ROW
- 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

- Non –toxic sewage will be hauled to the Tsiigetichic sewage lagoon

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- There is some potential for workers on this project to be affected by the health conditions. Human health is the jurisdiction of the WCB enforcement staff

- There will be an increased presence of industrial vehicles in the community during the removal of equipment from the site

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**IMPACT**

**MITIGATION**

**3. Cultural and Heritage**

affects 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

affects to aboriginal lifestyle

other:

N/A

**NOTES:**

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

	<b>RA or DRA</b>	<b>ADVICE</b>	<b>PERMIT REQUIRED</b>
<b><u>Federal</u></b>			
ATOMIC ENERGY CONTROL BOARD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CANADIAN HERITAGE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CANADIAN TRANSPORTATION AGENCY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ENVIRONMENT CANADA	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
FISHERIES & OCEANS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
INDIAN AFFAIRS & NORTHERN DEVELOPMENT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
INDUSTRY CANADA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NATIONAL DEFENSE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NATIONAL ENERGY BOARD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NATURAL RESOURCES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PUBLIC WORKS & GOVERNMENT SERVICES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TRANSPORT CANADA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NOGD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MACKENZIE VALLEY LAND AND WATER BOARD	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MACKENZIE VALLEY ENVIRONMENTAL IMPACT REVIEW BOARD	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b><u>Territorial</u></b>			
RESOURCES, WILDLIFE AND ECONOMIC DEVELOPMENT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MUNICIPAL AND COMMUNITY AFFIARS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
INUVIK REGIONAL HEALTH BOARD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CANADIAN WILDLIFE SERVICE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b><u>Aboriginal / First Nation</u></b>			
GWICH'IN TRIBAL COUNCIL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AKLAVIK DGO/RRC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FORT MCPHERSON DGO/RRC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
INUVIK DGO/RRC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TSIGEHTCHIC DGO/RRC	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b><u>Local Government</u></b>			
TSIGEHTCHIC CHARTER COMMUNITY	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

HAMLET OF F.T MACPHERSON  
 TOWN OF INUVIK  
 TOWN OF AKLAVIK

**REASONS FOR DECISION**

(LIST ALL REASONS AND SUPPORTING RATIONALES FOR PRELIMINARY SCREENING DECISION)

- *No concerns were expressed by the Affected First Nations*
- *The operation is associated with a DIAND Lease and the Lease holder is responsible for clean up and restoration of the site*
- *By definition, there are no Hazardous waste facilities in the Gwich'in Settlement Region, therefore Hazardous wastes must be removed from Territorial Lands*

<input type="checkbox"/>	<b>PRELIMINARY SCREENING DECISION</b>
<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**

**Signatures**

Gwich'in Land and Water Board  
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