

**PRELIMINARY SCREENING REPORT FORM**

<b>PRELIMINARY SCREENER:</b> Gwich'in Land and Water Board <b>REFERENCE / FILE NUMBER:</b> G06H008 <b>TITLE:</b> Fuel Storage Sites, km 14 Dempster Highway <b>ORGANIZATION:</b> Department of Transportation, GNWT	<b>EIRB REFERENCE NUMBER:</b>
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**Type of Development:**  
(CHECK ALL THAT APPLY)

- New Development
- Amend, EIRB Ref. #
- Renew, EIRB Ref.#
- Requires permit, license or authorization
- Does not require permit, license or authorization

**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 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 type="checkbox"/> Municipal</li> <li><input type="checkbox"/> Quarry</li> <li><input type="checkbox"/> Linear / Corridor</li> <li><input 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 checked="" type="checkbox"/> Camp</li> <li><input type="checkbox"/> Scientific/Research</li> <li><input checked="" type="checkbox"/> Solid Waste</li> </ul> |
|--|--|---|

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

- |  |                                  |                                  |                                   |                                  |  |
|--|----------------------------------|----------------------------------|-----------------------------------|----------------------------------|--|
| <ul style="list-style-type: none"> <li><input type="checkbox"/> Access Road</li> <li><input type="checkbox"/> construction</li> <li><input type="checkbox"/> abandonment/removal</li> <li><input type="checkbox"/> modification e.g., widening, straightening</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 type="checkbox"/> Burying</li> <li><input type="checkbox"/> Channeling</li> <li><input type="checkbox"/> Cut and Fill</li> <li><input type="checkbox"/> Cutting of Trees or Removal of Vegetation</li> <li><input type="checkbox"/> Dams and Impoundments                     <ul style="list-style-type: none"> <li><input type="checkbox"/> construction</li> <li><input type="checkbox"/> abandonment/removal</li> <li><input type="checkbox"/> modification</li> </ul> </li> <li><input type="checkbox"/> Ditch Construction</li> <li><input type="checkbox"/> Drainage Alteration</li> <li><input type="checkbox"/> Drilling other than Geoscientific</li> <li><input type="checkbox"/> Ecological Surveys</li> <li><input type="checkbox"/> Excavation</li> <li><input type="checkbox"/> Explosive Storage</li> <li><input checked="" type="checkbox"/> Fuel Storage</li> <li><input type="checkbox"/> Topsoil, Overburden or Soil                     <table style="width:100%; border-collapse: collapse;"> <tr> <td><input type="checkbox"/> fill</td> <td><input type="checkbox"/> removal</td> </tr> <tr> <td><input type="checkbox"/> disposal</td> <td><input type="checkbox"/> storage</td> </tr> </table> </li> </ul> | <input type="checkbox"/> fill    | <input type="checkbox"/> removal | <input type="checkbox"/> disposal | <input type="checkbox"/> storage | <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 type="checkbox"/> waste generation</li> </ul> </li> <li><input checked="" type="checkbox"/> Sewage                     <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> disposal of sewage</li> </ul> </li> <li><input type="checkbox"/> Geoscientific Sampling                     <ul style="list-style-type: none"> <li><input type="checkbox"/> trenching</li> <li><input type="checkbox"/> diamond drill</li> <li><input type="checkbox"/> borehole core sampling</li> <li><input type="checkbox"/> bulk soil sampling</li> </ul> </li> <li><input type="checkbox"/> Gravel</li> <li><input type="checkbox"/> Hydrological Testing</li> <li><input type="checkbox"/> Site Restoration                     <ul style="list-style-type: none"> <li><input type="checkbox"/> fertilization</li> <li><input type="checkbox"/> grubbing</li> <li><input type="checkbox"/> planting/seeding</li> <li><input type="checkbox"/> reforestation</li> <li><input type="checkbox"/> scarify</li> <li><input type="checkbox"/> spraying</li> <li><input type="checkbox"/> recontouring</li> </ul> </li> <li><input type="checkbox"/> Slashing and removal of vegetation</li> <li><input type="checkbox"/> Soil Testing</li> <li><input type="checkbox"/> Stream Crossing/Bridging</li> <li><input type="checkbox"/> Tunneling/Underground</li> <li><input type="checkbox"/> Other (describe): _____</li> </ul> |
| <input type="checkbox"/> fill  | <input type="checkbox"/> removal |                                  |                                   |                                  |  |
| <input type="checkbox"/> disposal  | <input type="checkbox"/> storage |                                  |                                   |                                  |  |

NTS Topographic Map Sheet Numbers  
106M4 / 116P1

Latitude / Longitude and UTM System:  
Lat 67.08' 26" N, Lon -135.59'44" W; UTM Zone m, Northing m

**Nearest Community and Water Body:**

Ft. McPherson / James Creek

**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 Transboundary Implication:**       Impact / Effect       Development

Public Concern \_\_\_\_\_  
(DESCRIBE)

**PHYSICAL - CHEMICAL EFFECTS**

**IMPACT**

**MITIGATION**

**1. Ground Water**

- water table alteration
  
- water quality changes
- infiltration changes
- other
- N/A

**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

**IMPACT**

**MITIGATION**

**4. Land**

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

Spill Contingency Plan will be in place to address potential spills with the requirement of contacting the NWT 24-Hour Spill Line at (867) 920-8130. (Land Use Permit Conditions 13, 28, 29 and 35.)

**IMPACT**

**5. Non Renewable Natural Resources**

resource depletion

other:

N/A

**MITIGATION**

**IMPACT**

**6. Air/Climate/ Atmosphere**

Ice fog and emissions from generator

Burning of slash from clearing

**MITIGATION**

**BIOLOGICAL ENVIRONMENT  
IMPACT**

**MITIGATION**

**1. Vegetation**

- species composition
- species introduction
- toxin / heavy accumulation
- other:
- N/A

**IMPACT**

**MITIGATION**

**2. Wildlife & Fish**

- effects on rare, threatened or endangered species
- fish population changes
- waterfowl population changes
- breeding disturbance
- population reduction
- species diversity change
- health changes  
(waste may be harmful to wildlife)
- behavioural changes  
(avoidance behaviour and blockage of migration or movement corridors)
- habitat changes / effects
- game species effects
- toxins / heavy metals
- forestry changes
- agricultural changes
- other:
- N/A

May be Caribou disturbance along migration route (Spring/Fall)?  
Some species, such as caribou, may avoid the vicinity of activity while the operation is occurring. This is expected to be localized and short-term.

**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

**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)

	RA or DRA	ADVICE	PERMIT REQUIRED
<b><u>Federal</u></b>			
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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" 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>			
PRINCE OF WALES NORTHERN HERITAGE CENTRE	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ENVIRONMENT & NATURAL RESOURCES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b><u>Aboriginal / First Nation</u></b>			
GWICH'IN LAND & RESOURCES	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GWICH'IN LAND USE PLANNING BOARD	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GWICH'IN RENEWABLE RESOURCES BOARD	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GWICH'IN SOCIAL & CULTURAL INSTITUTE	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TEETL'IT GWICH'IN BAND	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TEETL'IT RENEWABLE RESOURCE COUNCIL	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TEETL'IT DESIGNATED GWICH'IN ORGANIZATION	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>



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

No significant environmental impacts are anticipated.

<input type="checkbox"/>	PRELIMINARY SCREENING DECISION
<input checked="" 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 checked="" type="checkbox"/>	<i>Proceed with regulatory process and/or implementation.</i>
<input 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 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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