

PRELIMINARY SCREENING REPORT FORM

PRELIMINARY SCREENER: Gwich'in Land and Water Board REFERENCE/FILE NUMBER: G99L3-003 TITLE: Aklavik Municipal Water Licence - water use PROPONENT: Hamlet of Aklavik	EIRB REFERENCE NUMBER:
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Type of Development:
(CHECK ALL THAT APPLY)

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

Principal Development Components (related to scoping)

- | | | | | | |
|---|----------------------------------|----------------------------------|-----------------------------------|----------------------------------|---|
| <input type="checkbox"/> Access Road <ul style="list-style-type: none"> <input type="checkbox"/> construction <input type="checkbox"/> abandonment/removal <input type="checkbox"/> modification e.g., widening, straightening <input type="checkbox"/> Automobile, Aircraft or Vessel Movement
<input type="checkbox"/> Blasting
<input type="checkbox"/> Building
<input type="checkbox"/> Burning
<input type="checkbox"/> Burying
<input type="checkbox"/> Channeling
<input type="checkbox"/> Cut and Fill
<input 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 checked="" type="checkbox"/> Fuel Storage
<input type="checkbox"/> Topsoil, Overburden or Soil <table style="width:100%; border: none; margin-left: 20px;"> <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> | <input type="checkbox"/> fill | <input type="checkbox"/> removal | <input type="checkbox"/> disposal | <input type="checkbox"/> storage | <input type="checkbox"/> Waste Management <ul style="list-style-type: none"> <input type="checkbox"/> disposal of hazardous waste <input type="checkbox"/> waste generation <input type="checkbox"/> Sewage <ul style="list-style-type: none"> <input type="checkbox"/> disposal of sewage <input 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 <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"/> recontouring <input type="checkbox"/> Slashing and removal of vegetation
<input type="checkbox"/> Soil Testing
<input type="checkbox"/> Stream Crossing/Bridging
<input type="checkbox"/> Tunneling/Underground
<input type="checkbox"/> Other (describe): |
| <input type="checkbox"/> fill | <input type="checkbox"/> removal | | | | |
| <input type="checkbox"/> disposal | <input type="checkbox"/> storage | | | | |

NTS Topographic Map Sheet Numbers
107 B/4

Latitude / Longitude and UTM System:
68°13'N / 134°59'W

Nearest Community and Water Body: Hamlet of Aklavik, Peel Channel

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

change is negligible due to water flow of Peel Channel

IMPACT

MITIGATION

3. Noise

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

facilities (pumps & water treatment plant) are located within the Hamlet

IMPACT

MITIGATION

4. Land

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

IMPACT

MITIGATION

5. Non Renewable Natural Resources

- resource depletion
- other:
- N/A

IMPACT

MITIGATION

6. Air/Climate/ Atmosphere

- other:
- N/A

BIOLOGICAL ENVIRONMENT

MITIGATION

IMPACT

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 (identify)
- behavioural changes (identify)
- habitat changes / effects
- game species effects
- toxins / heavy metals
- forestry changes
- agricultural changes
- other:
- N/A

install fish screen as per DFO guidelines to avoid entrapment of fish

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

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 & OCEANS CANADA	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
INDIAN & NORTHERN AFFAIRS CANADA	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NATIONAL ENERGY BOARD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NATURAL RESOURCES CANADA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PARKS CANADA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TRANSPORT CANADA	<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"/>
SAHTU LAND AND WATER BOARD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GNWT - ENVIRONMENT & NATURAL RESOURCES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GNWT - HEALTH & SOCIAL SERVICES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GNWT - INDUSTRY, TOURISM & INVESTMENT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GNWT - MUNICIPAL AND COMMUNITY AFFAIRS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PRINCE OF WALES NORTHERN HERITAGE CENTRE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EHDIIAT GWICH'IN COUNCIL	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
EHDIIAT RENEWABLE RESOURCE COUNCIL	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GWICH'IN LAND AND WATER BOARD	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
GWICH'IN LAND USE PLANNING BOARD	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GWICH'IN RENEWABLE RESOURCE 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"/>
GWICH'IN TRIBAL COUNCIL / GLA	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GWICHYA GWICH'IN COUNCIL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GWICHYA GWICH'IN RENEWABLE RESOURCE COUNCIL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NIHTAT GWICH'IN COUNCIL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NIHTAT GWICH'IN RENEWABLE RESOURCE COUNCIL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEETL'IT GWICH'IN COUNCIL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEETL'IT GWICH'IN RENEWABLE RESOURCE COUNCIL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CHARTER COMMUNITY OF TSIIGEHTCHIC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HAMLET OF AKLAVIK	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HAMLET OF FORT MCPHERSON	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TOWN OF INUVIK	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REASONS FOR DECISION

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

1. The application is for the renewal of Aklavik's municipal water licence; there are no changes to the quantity of water permitted to be withdrawn
2. The quantity permitted to be withdrawn is negligible considering the flow in the Peel channel
3. There was no concern voiced by review organizations re the withdrawal of water applied for
4. There is no deposit of waste associated with this water licence (deposit of waste permitted through NWT Water Board water licence N3L3-0570 – a screening decision, under CEEA, for this activity has been issued by the NWT Water Board on June 29, 1999)

<input type="checkbox"/>	PRELIMINARY SCREENING DECISION
<input 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 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 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 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 / Date

Gwich'in Land and Water Board

