PRELIMINARY SCREENING REPORT FORM

PRELIMINARY SCREENER: Gwich'in Land an	d Water Board	EIRB
REFERENCE / FILE NUMBER: G06N009		REFERENCE NUMBER:
TITLE: 4 Monitoring Sites, G.S.A. Crown Land		
ORGANIZATION: Natural Resources Canada,	GSC.	
Type of Development: (CHECK ALL THAT APPLY)	Ameno Renev	Development d, EIRB Ref. # v, EIRB Ref.# res permit, license or authorization not require permit, license or authorization
Principal Activities (related to scoping) (CHECK ALL THAT APPLY)		
☐ Construction ☐ Installation ☐ Maintenance ☐ Expansion ☐ Operation ☐ Repair ☐ Research ☐ Water Intake ☐ Other:	□ Exploration □ Industrial □ Recreation □ Municipal □ Quarry □ Linear / Corri	□ Decommissioning □ Abandonment □ Aerial □ Harvesting □ Camp □ Scientific/Research □ Solid Waste
Principal Development Components (related t	o scoping)	
Access Road □ construction □ abandonment/removal □ modification e.g., widening, straightening □ Automobile, Aircraft or Vessel Movement □ Blasting □ Building □ 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		☐ Waste Management ☐ disposal of hazardous waste ☐ waste generation ☐ Sewage ☐ disposal of sewage ☐ Geoscientific Sampling ☐ diamond drill ☐ bulk soil sampling ☐ Gravel ☐ Hydrological Testing ☐ Site Restoration ☐ grubbing ☐ planting/seeding ☐ reforestation ☐ scarify ☐ spraying ☐ recontouring ☐ Slashing and removal of vegetation ☐ Soil Testing ☐ Stream Crossing/Bridging
☐ Topsoil, Overburden or Soil ☐ fill ☐ removal ☐ disposal ☐ storage		☐ Tunneling/Underground be): Minor Clearing of vegetation for Borehole Drill. Installation of Temperature Cables.

NTS Topographic Map Sheet Numbers

107B / 106 N.O.P.

Latitude / Longitude and UTM System:

Lat 68.23' 59" N, Lon -133.18'30" W; UTM Zone m, Northing m Lat 68.14' 35" N, Lon -133.5'35" W; UTM Zone m, Northing m Lat 68. 8' 52" N, Lon -132.56'13" W; UTM Zone m, Northing m Lat 67.29' 4" N, Lon -130.49'34" W; UTM Zone m, Northing m

Nearest Community and Water Body:

Inuvik / Norris Creek Inuvik / Campbell Lake Inuvik / North Caribou Lake Tsiigehtchic / Thunder River

Land Status (consultation information)

☐Free Hold / Private	☐ Commissi	oners Land	☐ Federal Crown Land		Municipal	Land
Transboundary Implication	ns					
☐ British Columbia ☐ Nunavut	☐ Alberta ☐ Wood Buffalo N	☐ Saskatchewan National Park	☐ Manitoba ☐ ☐ Inuvialuit Settlement Re	☐ Yukon egion		
Type of Transboundary Im	plication:	☐ Impact / Effect	□ Development			
☐ Public Concern(DESCRIBE)						

	YSICAL - CHEMICAL EFFECTS PACT	MITIGATION
1.	Ground Water	
	water table alteration	
	water quality changes	
	infiltration changes	
	other N/A	
IMI	PACT	MITIGATION
2.	Surface Water	
	flow or level changes	
	Water quality changes	
	Water quantity changes	
	Drainage pattern changes	
	temperature	
	wetland changes / loss	
	other:	
\boxtimes	N/A	
IMI	PACT	MITIGATION
3.	Noise	
	noise in/near water	
	other: noise increase	
	N/A PACT	MITIGATION
4.	Land	
	geologic structure changes	
\boxtimes	soil contamination	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.)
	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	
☐ Ice fog and emissions from generator	
☐ Burning of slash from clearing	

BIOLOGICAL ENVIRONMENT IMPACT	MITIGATION	
1. Vegetation		
species composition		
species introduction		
toxin / heavy accumulation		
☑ other:	Minor disturbance from the Bore Hole Drill	
⊠ 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) ☐ behaviourial 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		

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
<u>Federal</u>	DICA		KEGOIKED
ENVIRONMENT CANADA			
FISHERIES & OCEANS		\boxtimes	
INDIAN AFFAIRS & NORTHERN DEVELOPMENT		\boxtimes	\boxtimes
MACKENZIE VALLEY LAND AND WATER BOARD		\boxtimes	
MACKENZIE VALLEY ENVIRONMENTAL IMPACT REVIEW BOARD		\boxtimes	
<u>Territorial</u>			
PRINCE OF WALES NORTHERN HERITAGE CENTRE		\boxtimes	
ENVIRONMENT & NATURAL RESOURCES		\boxtimes	
Aboriginal / First Nation			
	_	_	_
GWICH'IN LAND & RESOURCES			
GWICH'IN LAND USE PLANNING BOARD		\boxtimes	
GWICH'IN RENEWABLE RESOURCES BOARD		\boxtimes	
GWICH'IN SOCIAL & CULTURAL INSTITUTE			
NIIHTAT GWICH'IN BAND		\boxtimes	
TSIIGEHTCHIC COMMUNITY CHARTER		\boxtimes	

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

No significant environmental impacts are anticipated.

	PREL	IMINARY SCREENING DECISION
	Outside Local Government Boundaries	
	The development proposal might have a significant adverse impact on the environment, refer it to the EIRB.	
	Proceed with regulatory process and/or implementation.	
	The development proposal might have public concern, refer it to the EIRB.	
\boxtimes	Proceed with regulatory process and/or implementation.	
	Wholly within Local Government Boundaries	
	The development proposal is likely to have a significant adverse impact on air, water or renewable resources,	
	refer it to the EIRB. Proceed with regulatory process and/or in	mplementation.
	The development proposal might have pul	blic concern, refer it to the EIRB.
	Proceed with regulatory process and/or in	mplementation.
	ry Screening Organization and Water Board	Signatures
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