



## **NIRB Application for Screening #125546**

### **Arcite Haven Runway Overlay**

**Application Type:** New

**Project Type:** Tourism

**Application Date:** 7/23/2020 11:27:02 AM

**Period of operation:** from 0001-01-01 to 0001-01-01

**Proposed Authorization:** from 0001-01-01 to 0001-01-01

**Project Proponent:** Nansen Weber  
Canadian Arctic Holidays Ltd.  
PO 1252 STN MAIN  
Yellowknife NWT X1A 2n9  
Canada  
Phone Number:: 2503084656, Fax Number::

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Post-Closure Phase: from to

## Activities

Location	Activity Type	Land Status	Site history	Site archaeological or paleontological value	Proximity to the nearest communities and any protected areas
Arctic Haven Airstrip location	Tourism Activities	Crown	Arctic Haven lodge on Ennadai Lake. Extension of current airstrip	No archaeological sites on location	Arviat 400km east of Arctic Haven Lodge

## Community Involvement & Regional Benefits

Community	Name	Organization	Date Contacted
Arviat	No community involvement	We have Inuit workers we hire from Arctic Bay which are part of the Arctic Haven construction crew.	2021-06-01

## Authorizations

Indicate the areas in which the project is located:

Kivalliq

### Authorizations

Regulatory Authority	Authorization Description	Current Status	Date Issued / Applied	Expiry Date
Aboriginal Affairs and Northern Development Canada	Approval pending NIRB decision	Applied, Decision Pending		

### Project transportation types

Transportation Type	Proposed Use	Length of Use
Air		

### Project accomodation types

Permanent Camp

## Material Use

Equipment to be used (including drills, pumps, aircraft, vehicles, etc)

Equipment Type	Quantity	Size - Dimensions	Proposed Use
Bull dozer	500	Cu MTS	Move gravel and sand
John Deere 450 BullDozer	1	N/A	Moving material
Kubota Excavator XC 90	1	N/A	Moving material
Dump Truck International model	1	N/A	moving material
Compactor tow behind 10000 lbs vibratory compactor	1	N/A	compacting runway

### Detail Fuel and Hazardous Material Use

Detail fuel material use:	Fuel Type	Number of containers	Container Capacity	Total Amount	Units	Proposed Use
Diesel	fuel	25	205	5125	Liters	Fueling the equipment

### Water Consumption

Daily amount (m3)	Proposed water retrieval methods	Proposed water retrieval location
0	We will be using the Arctic Haven lodge facilities. We have a water permit for the lodge. No other methods of water retrieval will be needed or used.	Ennadai Lake

# Waste

## Waste Management

Project Activity	Type of Waste	Projected Amount Generated	Method of Disposal	Additional treatment procedures
Tourism Activities	Sewage (human waste)	N/A	We will be using Arctic Haven facilities for the workers. No secondary camp will be built. The lodge has approved septic system.	Septic system

### Environmental Impacts:

We are not aware of any short or long term environmental implications for this project. The material being displaced is sand and light gravel. We are not adding foreign material or liquids such as concrete to the ground or material being moved. The location of the proposed extension is already cleared of trees and brush from when the original construction of the airstrip back in the year 2000. No water sources are being redirected or displaced for this project. No new roads or gravel quarry will be made for the purpose of moving material. There are no mammals or birds being displaced for the extension of the runway.

# **Additional Information**

**SECTION A1: Project Info**

**SECTION A2: Allweather Road**

**SECTION A3: Winter Road**

**SECTION B1: Project Info**

**SECTION B2: Exploration Activity**

**SECTION B3: Geosciences**

**SECTION B4: Drilling**

**SECTION B5: Stripping**

**SECTION B6: Underground Activity**

**SECTION B7: Waste Rock**

**SECTION B8: Stockpiles**

**SECTION B9: Mine Development**

**SECTION B10: Geology**

**SECTION B11: Mine**

**SECTION B12: Mill**

**SECTION C1: Pits**

**SECTION D1: Facility**

**SECTION D2: Facility Construction**

**SECTION D3: Facility Operation**

**SECTION D4: Vessel Use**

**SECTION E1: Offshore Survey**

**SECTION E2: Nearshore Survey**

**SECTION E3: Vessel Use**



## **SECTION F1: Site Cleanup**

## **SECTION G1: Well Authorization**

## **SECTION G2: Onland Exploration**

## **SECTION G3: Offshore Exploration**

## **SECTION G4: Rig**

## **SECTION H1: Vessel Use**

## **SECTION H2: Disposal At Sea**

## **SECTION I1: Municipal Development**

### **Description of Existing Environment: Physical Environment**

The location of the proposed airstrip extension is located on the continuation of the current airstrip located on an esker. This is primary sand and fine gravel. The area is very dry with small dwarf birch and black spruce.

### **Description of Existing Environment: Biological Environment**

No species of concern will be affected by this project. The construction will take place during the summer when the caribou have already migrated past Ennadai lake. The caribou migrate past during the last week of April first week of May. Any other animal species or bird life in the area would already be accustomed to the runway due to the fact that the proposed working area has already been cleared of trees when the original construction was made back in the early 2000's. The only issue could be fuel spill from a work vehicle, we have the proper fuel spill kits on site in case of an emergency.

### **Description of Existing Environment: Socio-economic Environment**

There are not archaeological sites in the area. No subsistence harvesting, trapping will be affected by this project.

### **Miscellaneous Project Information**

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### **Identification of Impacts and Proposed Mitigation Measures**

### **Cumulative Effects**

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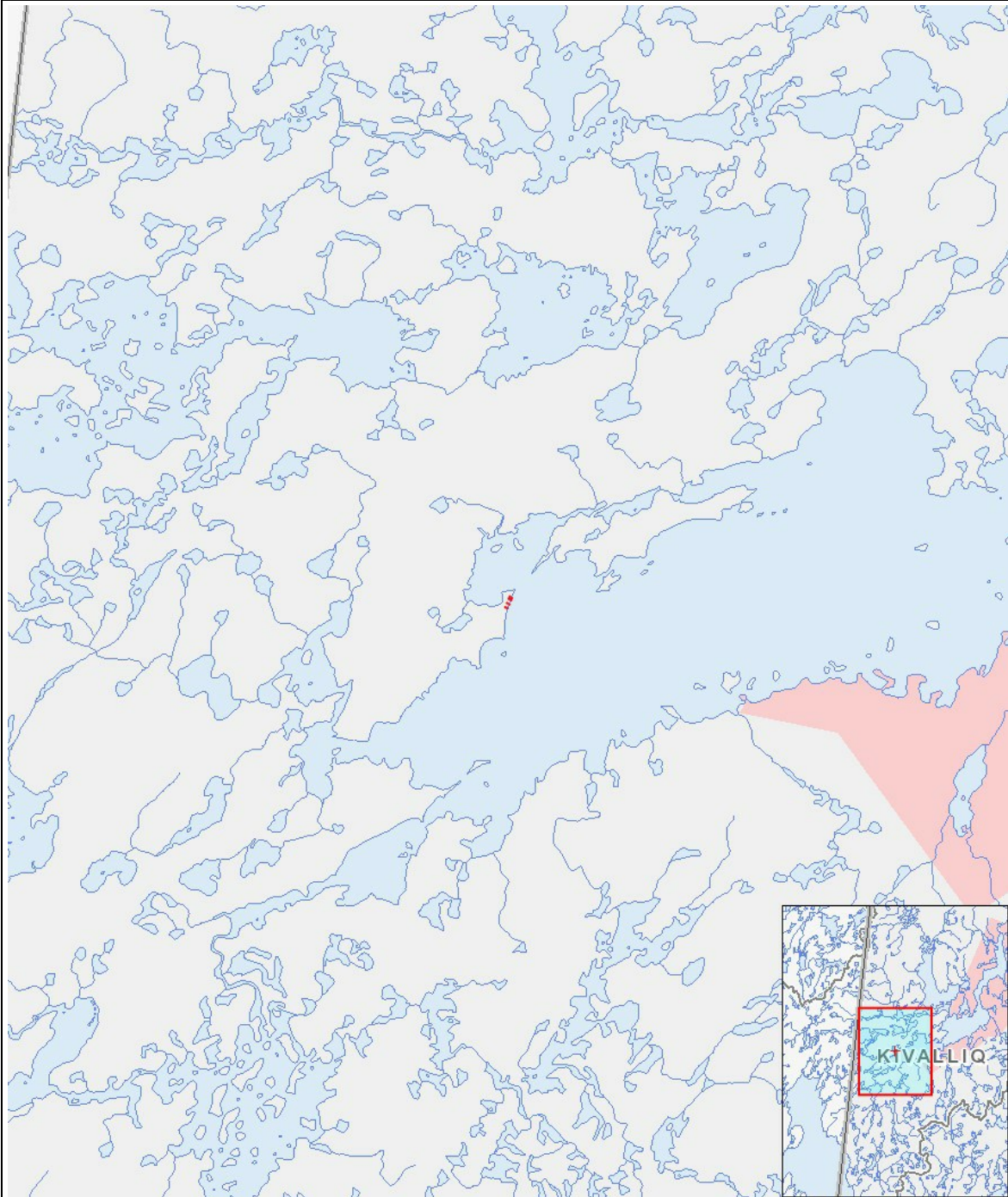
Impacts

Identification of Environmental Impacts

	PHYSICAL																								
	Designated environmental areas																								
	Ground stability																								
	Permafrost																								
	Hydrology / Limnology																								
	Water quality																								
	Climate conditions																								
	Eskers and other unique or fragile landscapes																								
	Surface and bedrock geology																								
	Sediment and soil quality																								
	Tidal processes and bathymetry																								
	Air quality																								
	Noise levels																								
	BIOLOGICAL																								
	Vegetation																								
	Wildlife, including habitat and migration patterns																								
	Birds, including habitat and migration patterns																								
	Aquatic species, incl. habitat and migration/spawning																								
	Wildlife protected areas																								
	SOCIO - ECONOMIC																								
	Archaeological and cultural historic sites																								
	Employment																								
	Community wellness																								
	Community infrastructure																								
	Human health																								
Construction																									
Tourism Activities		P	P	P	-	P	P	M	U	N	-	P	N		N	N	N	P	P		P	P	P	P	P
Operation																									
Tourism Activities		P	P	P	-	P	P	M	N	P	-	P	N		N	N	N	P	P		P	P	P	P	P
Decommissioning																									
-		-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-

(P = Positive, N = Negative and non-mitigatable, M = Negative and mitigatable, U = Unknown)

## Project Location



## List of Project Geometries

1	polyline	Arctic Haven Airstrip location
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