



## **NIRB Application for Screening #125448**

### **Naujaat Community Access Trail**

**Application Type:** New

**Project Type:** All-Weather Road / Access Trail

**Application Date:** 2/12/2019 1:57:58 PM

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

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

**Project Proponent:** Hamlet of Naujaat-Mayor  
Hamlet - Naujaat  
Box 10  
Naujaat Nunavut X0C 0H0  
Canada  
Phone Number:: 867-462-9952, Fax Number:: 867-462-4411

## DETAILS

### Non-technical project proposal description

English: The Hamlet of Naujaat is proposing to build an all-weather community access trail within municipal boundaries. The proposed trail is about 15 km long and will start on the existing road about 4 km north of Naujaat just before the community water filling station. The trail will follow the existing ATV trail to the southeast to where it crosses a stream about 200 m north of where the stream flows into the north end of Naujaat Inlet. From there the trail will mostly follow the ATV trail to the northeast, ending at a large gravel source about 1.8 km inside Naujaat's municipal boundary. Community near-term benefits of the access trail include: (1) job opportunities and training (the trail will be built by a local workforce where ever possible); and (2) safe and easy access to potential sand and gravel that could be used by the Hamlet, new potential carving stone sources, and areas popular for traditional land use. In the longer term, this trail could provide Naujaat with continuing economic benefits and jobs from tourism, traditional land use related education, and industry related opportunities like sources of aggregate, carving stone and diamonds. The trail will pass close to North Arrow Minerals' Q1-4 diamond deposit. The trail could be used by North Arrow to sample the kimberlite rock to test if it could become a diamond mine. In the past, North Arrow used helicopters to do this. Using the access trail, North Arrow could use trucks instead of helicopters, providing more local employment of truck drivers and samplers and increased use of local businesses, like the Naujaat Coop. North Arrow could pay the Hamlet for using the trail. The Hamlet has teamed with three companies to help with engineering, environmental studies, permitting, early-stage financing and potential construction: Onsite Engineering Ltd (routing, design and potential construction of the trail), Ecologic Consultants Ltd. (permitting and environmental studies) and North Arrow Minerals (funding for Onsite and Ecologic's pre-construction work on the trail). Studies have been completed on about 11 km of the proposed 15 km trail. The last 4 km are scheduled to be studied in May-June 2019. Measurements of all water crossings will also be taken at that time. It will take about two months of construction time to build the trail. The proposed start date is September 2019 with completion planned for 2020. All construction activities will be staged in Naujaat. Building of access trail would provide two main environmental benefits: (1) less damage of tundra and wetlands: the existing ATV trail is very wide in some wet areas, as drivers try to find the driest possible routes. This disturbs more tundra than necessary; and (2) proper bridges and culverts will make stream crossings safer and will reduce impacts on the water quality, fish, and vegetation. Construction of this community access trail will create near-term local employment and will benefit Naujaat businesses. Construction related jobs offer potential experience and training in areas such as surveying, equipment operation, environmental monitoring, and archaeological monitoring. If the trail is built the community will gain access to sources of gravel and carving stone and will have safer and easier access to the land for traditional activities. There would be additional employment, training and business opportunities related to North Arrow's work on the Q1-4 diamond deposit, tourism, and education.

French: Le hameau de Naujaat propose de construire un sentier d'accès communautaire tout temps dans les limites des municipalités. Le sentier proposé a une longueur d'environ 15 km et débutera sur la route existante à environ 4 km au nord de Naujaat juste avant la station de remplissage en eau de la communauté. Le sentier suivra le sentier de VTT existant au sud-est jusqu'à un ruisseau situé à environ 200 m au nord de l'endroit où il se jette dans l'extrémité nord de l'inlet Naujaat. À partir de là, le sentier suivra principalement le sentier de VTT au nord-est, aboutissant à une grande source de gravier à environ 1,8 km à l'intérieur des limites municipales de Naujaat. Les avantages à court terme du sentier d'accès pour la communauté comprennent: (1) être construit par une main-d'œuvre locale dans la mesure du possible; et (2) un accès sûr et facile au sable et au gravier potentiels qui pourraient être utilisés par le hameau, à de nouvelles sources potentielles de pierre à sculpter et aux zones populaires pour l'utilisation traditionnelle des terres. À plus long terme, ce sentier pourrait procurer à Naujaat des avantages économiques permanents et des emplois liés au tourisme, à l'éducation traditionnelle sur l'utilisation des terres et à des opportunités liées à l'industrie, telles que des sources d'agrégats, de pierre à sculpter et de diamants. Le sentier passera près du gisement diamantifère Q1-4 de North Arrow Minerals. North Arrow pourrait utiliser le sentier pour échantillonner la roche kimberlitique afin de déterminer si elle pouvait devenir une mine de diamants. North Arrow utilisait autrefois des hélicoptères. En utilisant le sentier d'accès, North Arrow pourrait utiliser des camions plutôt que des hélicoptères, ce qui créerait plus d'emplois locaux pour les chauffeurs de camion et les échantillonneurs, ainsi qu'un recours accru aux entreprises locales, comme la Coop Naujaat. North Arrow pourrait payer le hameau pour utiliser le sentier. Le hameau a collaboré avec trois entreprises pour les aider à l'ingénierie, aux études environnementales, aux autorisations, au financement en début de croissance et à la construction potentielle: Onsite Engineering Ltd (tracé, conception et construction potentielle du sentier), Ecologic Consultants Ltd. (autorisations et études environnementales). et North Arrow Minerals (financement des travaux de pré-construction sur le sentier effectués par Onsite et Ecologic). Des études ont été achevées sur environ 11 km de la piste proposée de 15 km. Les 4 derniers kilomètres devraient être étudiés en mai-juin 2019. Les mesures de tous les traversées de cours d'eau seront également prises à ce moment-là. La construction du sentier prendra environ deux mois. La date de début proposée est septembre 2019 et son achèvement est prévu pour 2020. Toutes les activités de construction auront lieu à Naujaat. La construction du sentier d'accès procurerait deux avantages environnementaux majeurs: (1) moins de

[illegible]

## 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
Naujaat Community Access Trail	Baseline data	Municipal	A number of archaeological sites have been reported along the alignment. A map has been added under Project Supporting Documentation.	Unknown but will be evaluated as part of project development.	0-14km from Naujaat

## Community Involvement & Regional Benefits

Community	Name	Organization	Date Contacted
Naujaat	Solomon Malliki	Mayor and Hamlet council	2019-01-03

## Authorizations

Indicate the areas in which the project is located:

Kivalliq

### Authorizations

Regulatory Authority	Authorization Description	Current Status	Date Issued / Applied	Expiry Date
Nunavut Water Board	Multiple watercourse crossings will require NWB review and approval	Not Yet Applied		
Government of Nunavut, Community and Government Services	Randy Mercer (Regional Lands Administrator) has informed municipality (November 1, 2018) that the project will not require a Land Use Permit.	Active		

### Project transportation types

Transportation Type	Proposed Use	Length of Use
Air	air travel to community; potential helicopter use during environmental and engineering pre-constructionactivities	
Water	depending on final design and local machinery availabilty, equipment may requiring barge delivery to community	
Land	all construction activities will be terrestrial based	

### Project accomodation types

Community

## Material Use

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

Equipment Type	Quantity	Size - Dimensions	Proposed Use
gravel trucks	4	TBD	Four gravel trucks will be required to complete trail construction within the seasonal window.
bulldozer	1	TBD	One bulldozer will be required by the lead construction crew for establishing initial alignment and developing grade.
excavators	3	TBD	Three excavators will be required to complete trail construction within the seasonal window: one for lead crew (alignment and ditches), one for the crossing crew (culvert installation) and one for the surfacing crew (material movement).
Grader	1	TBD	One grader will be required for the surfacing crew.
Crusher	1	TBD	One crusher will be required by the surfacing crew.
roller/compactor	1	TBD	One roller/compactor will be required by the surfacing crew.
water truck	1	TBD	One water truck will be required by the surfacing crew.

### Detail Fuel and Hazardous Material Use

Detail fuel material use:	Fuel Type	Number of containers	Container Capacity	Total Amount	Units	Proposed Use
Diesel	fuel	4	20000	80000	Liters	Fuel for construction equipment. Bulk fuel storage will occur at Naujaat, with work trucks delivering fuel to construction equipment as needed. Total estimate fuel usage over the construction period is 167,400 L. The capacity of long-term storage containers has not yet been decided.
Oil/grease	hazardous	4	100	400	Liters	Proposed equipment will

						require oil and grease for lubrication. All oil and grease will be stored at Naujaat and brought to site as needed. Total number of containers and volumns have not been determined.
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#### Water Consumption

Daily amount (m3)	Proposed water retrieval methods	Proposed water retrieval location
0		

# Waste

## Waste Management

Project Activity	Type of Waste	Projected Amount Generated	Method of Disposal	Additional treatment procedures
Other	Combustible wastes	unknown at this time	Construction projects generate combustible wastes in the form of spill pads, rags, use oil filters. Naujaat will endeavour to work with contractors to ensure safe disposal	Secure on-site storage until end of work day, at which point material will be stored until disposal.
Other	Sewage (human waste)	unknown at this time	Portable toilets will be used at the job site. Construction staff will be staying in Naujaat.	None required

### Environmental Impacts:

An assessment of potential project impacts has been provided in an attached document: Naujaat Environmental Considerations.



# **Additional Information**

## **SECTION A1: Project Info**

See attached document: Naujaat Environmental Considerations

## **SECTION A2: Allweather Road**

See attached document: Naujaat Environmental Considerations

## **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**

See attached document: Naujaat Environmental Considerations

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

See attached document: Naujaat Environmental Considerations

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

Our expectation is that the construction of the trail will result in important employment and training opportunities for our community members, and substantial procurement opportunities for our local businesses. The project-related employment will lead to capacity development in highly transferrable skills (e.g., surveying, equipment operation, environmental monitoring, archaeological monitoring) and will open up additional revenue streams (e.g., access to gravel and carving stone, guiding and ecotourism opportunities).

#### **Miscellaneous Project Information**

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

See attached document: Naujaat Environmental Considerations

#### **Cumulative Effects**

We are not aware of any other project planned in the vicinity of the proposed project; therefore, cumulative effects are not anticipated.

Impacts

Identification of Environmental Impacts

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

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

## Project Location



## List of Project Geometries

1	polyline	Naujaat Community Access Trail
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