

# Project Dashboard

Quarries in Arctic Bay (149368)

## Proposal Status: Conformity Determination Issued

### Project Overview

Type of application: **New**

Proponent name:	Rita Sewornu
Company:	Government of Nunavut - CGS

#### Schedule:

Start Date:	2020-07-01
End Date:	2030-07-01
Operation Type:	Annual

#### Project Description:

This application is to renew a Quarry Administration Agreement (QAA) between the Government of Nunavut and the Hamlet of Arctic Bay. The agreement will authorize the Hamlet to administer the extraction of aggregate resources to meet the construction demands of the community. The quarry sites contain gravel, sand, silt, and riprap suitable for construction purposes, and road and airstrip maintenance, making these sites very beneficial for the growth of the community. These sites will remain active until all the aggregate is depleted. The Municipality will use the proceeds from Quarry permit fees to remediate the area to a point in which the area's vegetation can grow back. These sites are in reasonable proximity to Arctic Bay, which results in easier access for the residents of the community to retrieve gravel. Close proximity to the community also minimizes costs to the contractors and the Hamlet due to the fact that equipment has quicker access to the proposed sites. The Government did explore other quarry sites, but felt these were the best option due to the reasonable proximity to the community, its aggregate reserves, and the quality of the aggregates.

#### Personnel:

Persons:	3
Days:	120

### Project Map

#### List of all project geometries:

ID	Geometry	Location Name
6629	polygon	Arctic Bay
6630	point	Arctic Bay
6631	point	Arctic Bay
6632	point	Arctic Bay
6633	point	Arctic Bay
6634	point	Arctic Bay
6635	polygon	Arctic Bay
6636	point	Arctic Bay
6637	point	Arctic Bay
6638	point	Arctic Bay
6639	point	Arctic Bay
6640	point	Arctic Bay

6641	point	Arctic Bay
6642	point	Arctic Bay
6643	polygon	Arctic Bay
6644	point	Arctic Bay
6645	point	Arctic Bay
6646	point	Arctic Bay
6647	point	Arctic Bay
6648	point	Arctic Bay
6649	point	Arctic Bay
6650	polygon	Arctic Bay
6651	point	Arctic Bay
6652	point	Arctic Bay
6653	point	Arctic Bay
6654	point	Arctic Bay
6655	point	Arctic Bay
6656	point	Arctic Bay
6657	point	Arctic Bay
6658	point	Arctic Bay
6659	point	Arctic Bay
6660	point	Arctic Bay
6662	point	Arctic Bay
6663	point	Arctic Bay
6664	point	Arctic Bay
6665	point	Arctic Bay
6666	point	Arctic Bay
6667	point	Arctic Bay
6668	point	Arctic Bay
6669	point	Arctic Bay
6670	point	Arctic Bay
6671	point	Arctic Bay
6672	point	Arctic Bay
6673	point	Arctic Bay
6674	point	Arctic Bay
6675	point	Arctic Bay
6676	point	Arctic Bay
6677	point	Arctic Bay
6678	point	Arctic Bay
6679	point	Arctic Bay

**Planning Regions:**

Kivalliq

**Affected Areas and Land Types**

Municipal

Settlement Area

North Baffin Planning Region

## Project Land Use and Authorizations

### Project Land Use

Pits and quarries

Pits and quarries

### Licensing Agencies

NIRB: Screening Decision Report

GN-CGS: 0

### Other Licensing Requirements

No data found.

## Material Use

### Equipment

Type	Quantity	Size	Use
Excavator	1	3000mm x 4075mm	To extract aggregates
Loader	1	3000mm x 4075mm	To load and haul aggregates
Jaw Crusher	1	3000mm x 4075mm	To crush aggregates
Screening machines	1	3000mm x 4075mm	To screen aggregates

### Fuel Use

Type	Container(s)	Capacity	UOM	Use
Gasoline	5	100	Liters	To power machines

### Hazardous Material and Chemical Use

Type	Container(s)	Capacity	UOM	Use
No records found.				

### Water Consumption

Daily Amount (m <sup>3</sup> )	Retrieval Method	Retrieval Location
0		

## Waste and Impacts

### Environmental Impacts

These site will be used to extract aggregate (Sand, Gravel, riprap and silt) to be used for construction projects in the community of Arctic Bay. Stockpiling of aggregate may occur in the event that a project requires aggregate but will not be permanent. A road already exists to the sites so construction of a road is not required. Minor slumping may occur to the landscape due to the extraction of aggregate but will be levelled off once the quarry is depleted. Once the sites are depleted of essential aggregate, the quarry will be levelled off to avoid any steep ditches using sand, silt and any other undesirable aggregate. No water will be used in this project and no waste will be dumped into any water source. The runoff from this site will be all natural material (dust,sand etc.) in which runoff of this material already occurs in nature. No plans for snow accumulation exist due to the fact that any changes in snow drifting in this area from extraction of aggregate will be minimal (if any) No fuel will be stored at this location so no official plan exists. In the unlikely event that a transportation vehicle's (dump truck/loader) fuel tank is punctured, the Municipality will call the NU 24-hour spill report line at (867) 920-8130 and immediately extract and remove the aggregate at the point of the spill. The contaminated soil will be relocated to the community land farm.

### Waste Management

Waste Type	Quantity Generated	Treatment Method	Disposal Method
No data found.			