



New

Pits and Quarries

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

Λαλτειν: Danny Zita

Government of Nunavut

PO Box 272

Kugluktuk Nunavut X0B 0E0

Canada

ᐃᓴᓐᓇᐃᓐᓇ: (867) 982-7661, ᓴᓐᓇᓐᓇ:

$$\Lambda \subset \mathbb{N} \triangleleft \mathbb{N} \xrightarrow{\gamma} \Sigma \triangleleft \mathbb{N}^{q_b} \supset \mathbb{C}$$
[illegible]

መረጃ ለረዕሰ ምክር ቤቱ ለሚገኝ ለገጠናዊ ልማት ሚኒስቴር ለሚገኝ ለገጠናዊ ልማት ሚኒስቴር

ᓄᓇᓕᓯᓂᑦ	ᐱᑦᑦ	ᑲᑕᓂᑦᐱᑦᑲᑦᑲᑦᑲᑦ	ᑦᑲᑲᑦᑲᑦ ᑕᓂᑦᑲᑦᑲᑦᑲᑦᑲᑦᑲᑦ
ᐱᑦᑲᑦᑲᑦ	Jennifer Jarvis - City Planner and Development Officer	City of Iqaluit	2019-03-24

$\epsilon \Delta^{\alpha} j^{\beta} \wedge J^{\alpha} e^{\beta} \dot{D} \dot{N} \quad \nabla^{\alpha} r^{\beta} C D P L \dot{L}^{\gamma}$

$a^b r^c \sigma^d \wedge c^e d^f \delta \sigma^g \gamma^h$ በበፍጋሮ:

South Baffin

$\epsilon \Delta^{\alpha} j^c \wedge J^{\flat} e_D \dot{n} \lrcorner R^{\flat} r^{\flat} C D P L \downarrow^c$

[illegible]

Project transportation types

Transportation Type	Transportation Method	Length of Use
Land	Quarry material to be transported by dump truck	

Project accomodation types

$\mu \in \Gamma^{\text{ab}}$

Λ⁹δ^c Δ⁹ρ²Δ⁹ Δ⁹σ⁹Δ⁹σ⁹Δ⁹ Δ⁹Δ⁹Δ⁹, Γ⁹Δ⁹Δ⁹Δ⁹, Δ⁹Δ⁹Δ⁹Δ⁹, Δ⁹Δ⁹Δ⁹Δ⁹

በበፍጥረቱ ምሳሌ ለፍጥነቱ ምሳሌ ለፍጥነቱ ምሳሌ

$\Delta L^{\text{fb}} \quad \Delta \mathcal{D}^{\text{fb}} \quad C \mathcal{D} \mathcal{R} \dot{L}^{\text{fb}} \quad \mathcal{D}^{\text{fb}}$

$\mathcal{D}^c \rightarrow \mathcal{C} \dot{\mathcal{I}}^{\mathfrak{b}} \rightarrow \mathcal{D}^{\mathfrak{b}} \mathcal{C} \mathcal{D}^{\mathfrak{b}} \mathcal{D}^{\mathfrak{b}} \mathcal{D}^{\mathfrak{b}}$	$\mathfrak{b} \mathfrak{b}^{\mathfrak{b}} \rightarrow \Delta \Gamma^{\mathfrak{b}} \mathcal{C}^{\mathfrak{b}} \mathcal{C}^{\mathfrak{c}} \sigma \mathcal{D}^{\mathfrak{b}} \mathcal{C}^{\mathfrak{c}}$	$\mathfrak{a} \mathcal{P}^{\mathfrak{c}} \rightarrow \Delta \Gamma^{\mathfrak{b}} \mathcal{C}^{\mathfrak{b}} \mathcal{C}^{\mathfrak{c}} \sigma \mathcal{D}^{\mathfrak{b}} \mathcal{C}^{\mathfrak{c}}$
0	n/a	n/a

$\triangleleft^b C d^c$
$$\Delta^b C d_{\sigma} \Delta^a \sigma^a$$

ለፍላጎት የሚያስፈልጉትን የፍሬም ስጦታ ያስጠብቁ	የፍሬም ስጦታ ያስጠብቁ	የፍሬም ስጦታ ያስጠብቁ	የፍሬም ስጦታ ያስጠብቁ	የፍሬም ስጦታ ያስጠብቁ
Quarry/Borrow pit	የፍሬም ስጦታ ያስጠብቁ የፍሬም ስጦታ ያስጠብቁ የፍሬም ስጦታ ያስጠብቁ	100000	dump truck	none

$$4^{\circ} 07' 20'' \text{C} \quad 4^{\circ} 07' 20'' \text{C}$$

Accidental leaks and spillages of substances such as fuel or petroleum-based lubricants - if this occurs the City 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. Noise and vibration effects from rock crushing/breaking and machinery.

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

No known carving stone deposits are located in this area. If a carving stone deposit is located then extraction of aggregate will cease until the City decides what they wish to do. The extraction of the aggregate will go down 1-3 meters. Should flooding become an issue, drainage ditches will be constructed to promote drainage away from the pit. We will continually monitor erosion or potential for erosion and implement control measures to minimize erosion. Minor slumping may occur to the landscape due to the extraction of aggregate but will be levelled off once the quarry is depleted. No evidence of ice lenses in the area. We currently do not blast and do not foresee having to blast. We will inform the public about the sight, and post signs around the site about the safety. Staff will also follow WSCC safety regulations around the site and area. Once this site is depleted of essential aggregate, the quarry will be leveled off to avoid any steep ditches using sand, silt and any other undesirable aggregate

SECTION D1: Facility

SECTION D2: Facility Construction

SECTION D3: Facility Operation

The areas are of low value habitat for terrestrial mammals and birds. However, the following measures are planned to mitigate potential negative effects on wildlife during operational phases:

- A zero-tolerance

$a \rightarrow e \Delta^{fb} C D \sigma^{fc} \quad d^{b)} \Delta^{fb} C D P L \downarrow^c \quad f_b m \Delta^c \dot{\bar{D}} \sigma^{fc} \quad \langle c D \Gamma' \downarrow P^{fb} C D \sigma \downarrow^f \sigma^{fc} \rangle$

Cumulative Effects

The overall cumulative effects are good: a good source of granular material was found, its development will provide a good source of gravel for the City and its development will provide employment in Iqaluit. No negative regional or cumulative economic effects associated with the quarries were identified.

Impacts

$\mathcal{L}(\mathcal{A}) \subseteq \mathcal{L}(\mathcal{B})$

[illegible]
$$(P = \langle \text{b b d} \underline{\text{a}} \text{ p n r}^{\text{a}} \underline{\text{a}}^{\text{b}} \rangle^{\text{c}}, N = \langle \text{b b d}^{\text{b}} \text{ r}^{\text{b}} \text{ r}^{\text{c}} \text{ d} \text{ r}^{\text{a}} \underline{\text{a}}^{\text{b}} \rangle^{\text{c}} \langle \text{c d} \text{ r}^{\text{b}} \text{ r}^{\text{b}} \rangle^{\text{b}} \langle \text{d r}^{\text{a}} \underline{\text{a}}^{\text{b}} \text{ r}^{\text{c}} \rangle^{\text{c}}, M = \langle \text{b b d}^{\text{b}} \text{ r}^{\text{b}} \text{ r}^{\text{c}} \text{ d} \text{ r}^{\text{a}} \underline{\text{a}}^{\text{b}} \rangle^{\text{c}} \langle \text{c d} \text{ r}^{\text{b}} \text{ r}^{\text{b}} \rangle^{\text{b}} \langle \text{d r}^{\text{a}} \underline{\text{a}}^{\text{b}} \rangle^{\text{c}}, U = \text{r}^{\text{b}} \text{ d} \text{ r}^{\text{b}} \text{ l}^{\text{a}} \underline{\text{a}}^{\text{b}} \text{ r}^{\text{c}} \rangle^{\text{b}})$$

1	polygon	Quarry Site 1
2	polygon	Quarry Site 2