



ᓄᓇᑭᑦ ᓐᓇᑕᓕᓕᓐᓂᓐᓂᓐ ᓂᑕᓕᓐᓂᓐᓂᓐ ᓂᓐᓂᓐᓂᓐ ᓐᓂᓐᓂᓐᓂᓐ #125458 Iqaluit Quarry Area 1 and Area 2

ᓂᓐᓂᓐᓂᓐᓂᓐ
ᓐᓂᓐᓂᓐᓂᓐᓂᓐ:

New

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ᓐᓂᓐᓂᓐᓂᓐᓂᓐ:

Pits and Quarries

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

ᓂᓐᓂᓐᓂᓐᓂᓐᓂᓐᓂᓐᓂᓐ: from 0001-01-01 to 0001-01-01

ᓐᓂᓐᓂᓐᓂᓐᓂᓐ:

Danny Zita

Government of Nunavut

PO Box 272

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Canada

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

ᓄᓇ ᑕᑦᓴᑦ	ᐱᑦᑕᑦ	ᑲᑭᑦᓴᑦᐱᑦᑕᑦᓴᑦ	ᑦᓴᑦᓴᑦ ᑭᑦᑕᑦᓴᑦᓴᑦᓴᑦᓴᑦ
ᐱᑦᑕᑦᓴᑦ	Jennifer Jarvis - City Planner and Development Officer	City of Iqaluit	2019-03-24

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

உரிமையாளர் அல்லது அங்கீகரிக்கப்பட்ட நபர்:

South Baffin

$\epsilon \Delta^{\frac{a}{2}} r^c \wedge J^{\otimes b} e^D n \lrcorner R^{\otimes c} r^b C D r^L r^c$

[illegible]

Project transportation types

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

Project accomodation types

መርህ^፭

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

በበፍጥረቱ ምሥራቅ አካል ለፍጥነቱ ምሥራቅ አካል ለፍጥነቱ ምሥራቅ አካል

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

ᐅᑦᑦ ᑕᑭᑦᑦ ᐱᐅᑦᑕᐅᑦᐱᑦᑦᑦ	ᑦᑦᑦᑦ ᐱᐅᑦᑕᑦᑦᑕᑦᑦᑦᑦᑦ	ᑦᑦᑦ ᐱᐅᑦᑕᑦᑦᑕᑦᑦᑦᑦᑦ
0	n/a	n/a

$\triangleleft^b C d^c$
$$\Delta^b C d_C \sim \sigma \Delta^q \sigma^q$$
[illegible]

4907D0^c 4^b5^bCD7L4^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

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 11: Municipal Development

[illegible]

Tidal processes and bathymetry in the project area – This section does not apply. Air quality – Appears excellent. There is no reason to believe that air quality should not be excellent. Climate conditions and predicted future climate trends – The arctic is undergoing apparent raise in average temperature in the long term. This will have no incidence of this quarry. Noise levels – Noise level is of low concern but will be typical of such heavy equipment

[illegible]

Wildlife, including habitat and migration patterns – No wildlife observed, although any wildlife observed will be respected at all times during the work. Birds, including habitat and migration patterns – No birds observed, although any wildlife observed will be respected at all times during the work.

[illegible]

Archaeological and culturally significant sites (e.g. pingos, soap stone quarries) in the project and adjacent areas – None observed Land (should archaeological sites be encountered, all work will stop, permits will be applied for and archaeological investigation will proceed) and resource use in the area, including subsistence harvesting, tourism, trapping and guiding operations – The area surrounding the quarry areas is used as a gravel extraction activity. There are no subsistence harvesting or tourism activity within or surrounding the new quarry areas.

Miscellaneous Project Information

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

உடையவர்களுக்கும் அருள்கூர்ந்து உதவி செய்து கொடுப்பதற்காகவே இவ்வாறு உத்தேசித்திருக்கிறார்.

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

$\mathcal{L}(\mathcal{A}) \cap \mathcal{L}(\mathcal{B}) = \mathcal{L}(\mathcal{A} \cap \mathcal{B})$
 $\mathcal{L}(\mathcal{A}) \cup \mathcal{L}(\mathcal{B}) = \mathcal{L}(\mathcal{A} \cup \mathcal{B})$
 $\mathcal{L}(\mathcal{A}) \cap \mathcal{L}(\mathcal{B}) \subseteq \mathcal{L}(\mathcal{A} \cap \mathcal{B})$

[illegible]
$$(P = \langle b \rangle_{\Delta} p \cap r^{\perp} q^{\perp})^c, N = \langle b \rangle_{\Delta} r^{\perp} \langle D \rangle_{\Delta} q^{\perp})^c \leqslant \langle D \rangle_{\Gamma} r^{\perp} r^{\perp})^{\perp} \langle D \rangle_{\Delta} q^{\perp})^c, M = \langle b \rangle_{\Delta} r^{\perp} \langle D \rangle_{\Delta} q^{\perp})^c \\ \leqslant \langle D \rangle_{\Gamma} r^{\perp} r^{\perp})^{\perp} \langle D \rangle_{\Delta} q^{\perp})^c, U = {}^{\perp} b \rangle_{\Delta} L^{\perp} q^{\perp})^{\perp}$$

1	polygon	Quarry Site 1
2	polygon	Quarry Site 2