



New

Pits and Quarries

6/19/2020 3:19:02 PM

bᄅᆞᆫᄇᄃᄂᄌᄎᄋᄏᄑᄒᄓᄔᄕ: from 0001-01-01 to 0001-01-01

ᐱᓕᓂᑦᐸᓄᓐᓴᓐ:

NIRB info
Nunavut Impact Review Board
Box 1360 (20 Mitik)
Cambridge Bay Nunavut X0B 0C0
Canada
ᐃᓴᓇᐅᑦᑎᓪ: (867) 983-4600, ᓴᓴᓴᓴᓴᓪ: (867) 983-2594

כ ל ד ל ב ל ג

$\gamma_b \Delta^c \dot{\bar{N}}_0 \sigma^b \wedge c_n d\gamma_b \gamma_\sigma d n d^a l^a \sigma^b$

١٦٤٠٠٠: A quarry site to be used by the local Hamlet to meet the aggregate needs of the community. This site was previously used as a quarry but has since been largely discontinued. Occasionally, the Hamlet does use this site to extract material to be used for road grading and repairs. The exact date is not known when this site was first used to extract quarry material but it is estimated it started between 1980's to 2000's. At this time there is no currently approved extraction amount per year. The plan is it get the quarry approved as a whole and the Hamlet will authorize material to be taken out of the quarry on an as needed basis using quarry permits. Approved size of the quarry is the one shown in the project proposal. Its estimated that there is 80,000 cubic metres of material. There are no plans to increase the footprint.

▷ Δ ḁ ∩ ∅^c: N/a

 $\Delta_{\mathcal{O}^b \cap \mathcal{D}^c}$: N/a

Inuinnaqtun: N/a

Personnel

Personnel on site: 2

Days on site: 1800

Total Person days: 3600

Operations Phase: from 2020-04-05 to 2040-09-29

$$\Lambda \subset \mathbb{N} \triangleleft \mathbb{N} \xrightarrow{\sigma} \mathbb{N} \xrightarrow{\sigma^b} \mathbb{C}$$

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Quarry site boundary	Quarry/Borrow pit	Municipal	N/A	N/A	Within municipal boundaries of Rankin Inlet and Arviat

[illegible]

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Information is not available			

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$a^b r^c \Delta$ $\Delta^e \sigma^f \gamma^g$ $\partial \partial^g \omega^h$:

Kivalliq

$\epsilon \Delta^{\alpha} j^{\beta} \wedge J^{\gamma} e_{\beta} \dot{n} \cdot \nabla^{\delta} r^{\eta} C D F L \downarrow^{\zeta}$

[illegible]

Project transportation types

Transportation Type	Transportation Mode	Length of Use
Land	Loader, dump truck	

Project accomodation types

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Loader	1	5.7m x 2.7m x1.5m	excavate quarry material
dump truck	1	8m x 2.5m x 3.4m	haul quarry material

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Diesel	fuel	1	500	500	Liters	used to fuel the loaders and dump trucks

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0		

$\triangleleft^b C d^c$
$$\Delta^b C d_c \sim \sigma \Delta^a \sigma^b$$
[illegible]

4907DC⁶DC 4^bDC⁶CDPL^c

quarry will be excavated which will result in the soil and vegetation being disturbed. Once quarry is depleted, the edge of the quarry will be smooth out to prevent steep incline surfaces and the vegetation will grow back naturally over time.

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 11: Municipal Development

[illegible]

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[illegible]

Miscellaneous Project Information

$\alpha \rightarrow \Delta^{\text{fb}} \text{CD} \sigma^{\text{fb}} \Gamma^{\text{C}} \quad \Delta^{\text{b}} \text{fb} \text{CD} \Gamma^{\text{L}} \Gamma^{\text{C}} \quad \text{fb} \Delta^{\text{C}} \sigma^{\text{fb}} \Gamma^{\text{C}} \quad \langle \text{CD} \Gamma^{\text{L}} \Gamma^{\text{L}} \text{fb} \text{CD} \sigma^{\text{fb}} \Gamma^{\text{C}} \rangle$

Cumulative Effects

Impacts

[illegible][illegible]
$$(P = \langle b \rangle \Delta_P \cap \langle \Delta^a \rangle^C, N = \langle b \rangle \Delta_P \langle \Delta \rangle \langle \Delta^a \rangle^C \langle \Delta \Gamma \rangle \langle \Delta^b \rangle^b \langle \Delta \rangle \langle \Delta^a \rangle^C \rhd, M = \langle b \rangle \Delta_P \langle \Delta \rangle \langle \Delta^a \rangle^C \langle \Delta \Gamma \rangle \langle \Delta^b \rangle^b \langle \Delta \rangle \langle \Delta^a \rangle^C \rhd, U = \langle b \rangle \Delta \langle \Delta^a \rangle^C \langle \Delta^b \rangle^b)$$

The map displays the Kivalliq region of Nunavut, Canada. The region is highlighted in green, and the Arviat area is marked with a red dot. Hudson Bay is labeled to the east. An inset map in the bottom right corner shows the location of Kivalliq within the larger context of Nunavut, with Arviat marked as a specific location within the region.

1	polygon	Quarry site boundary
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1 polygon Quarry site boundary