ᓄᓇᕗᒻᒥ ᐊᕙᑎᓕᕆᔨᒃᑯᑦ ᑲᑎᒪᔨᖏᑦᑎᒍᑦ ᑐᒃᓯᕋᐅᑦ ᕿᒥᕐᕈᔭᒃᓴᖅ #125538

Rankin Inlet sand pit

ᑐᒃᓯᕋᐅᑕᐅᔪᖅ ᖃᓄᐃᑦᑐᓂᖓ:	New
ᐱᓕᕆᐊᕆᔭᐅᔪᒪᔫᑉ ᖃᓄᐃᑦᑐᓂᖓ:	Pits and Quarries
ᐅᓪᓗᖓ ᑐᒃᓯᕋᐅᑎᓕᐊᕕᓂᐅᑉ:	6/2/2020 7:33:20 PM
Period of operation:	from 0001-01-01 to 0001-01-01
ᑲᔪᓯᒃᑲᐃᔾᔪᓂᐊᕐᓯᒥᔭᐅᔪᑦ:	from 0001-01-01 to 0001-01-01
ᐱᓕᕆᐊᖃᕈᒪᔪᖅ:	Randy Mercer Government of Nunavut P.O. Box 490 Rankin Inlet Nunavut X0C 0G0 Canada ᐅᖃᓗᐃᑦ: 867-645-8115, ᓱᑲᔪᒃᑯᑦ: 867-645-8143

ᑐᓴᐅᒪᔭᒃᓴᑦ

ᖃᓄᐃᑦᑑᑎᓂᒃ ᐱᓕᕆᐊᖃᕐᓂᐊᕆᐊᖕᒪᓂᒃ

ᖃᓪᓗᓈᑎᑐᑦ: Rankin Inlet sand pit is a site currently being used by the Hamlet of Rankin Inlet and members of the public to extract sand and other fine materials to meet the construction demands of the community. The use of the aggregate will vary widely. The Hamlet will use it for municipal purposes such as road construction and maintenance. The public will use it for private purposes. The site will be used in the summer months (June-September) of each year until all the aggregate is extracted. The frequency of use will depend on the construction projects in Rankin Inlet and the need for sand and other fine materials for that year. The quarry is located 7.3 kilometers north of the community of Rankin Inlet and 222 metres south of the Iqalugaarjuup Nunanga Territorial Park.This site is already being used for quarrying purposes. The exact date of its first use is not known but it is estimated to have occurred in the early 1990's. The total volume of quarry material that was taken from the site is not known.All the aggregate within the quarry is loose sand; extraction will be done by CAT track excavators and wheel loaders. Dump trucks of varying make and models will be used to haul aggregate to and from the quarry site. No blasting of rock outcrops is planned. There is an estimated volume of 300,000 cubic metres of material left in the quarry.There is an existing road that connects the community to the territorial park that passes by the Rankin Inlet sand pit. This road will be used to access the site. It is used frequently by both the Hamlet, community residents, and contractors.The quarry is located on untitled municipal land which is administered by the department of Community and Government Services (CGS). Once approval for this the site is obtained, CGS will go into a quarry administration agreement (QAA) with the Hamlet which allow the Hamlet to issue quarry permits instead of CGS. The Hamlet will stockpile the aggregate and then members of the public will obtain quarry permits from the Hamlet. The fees from these quarry permits will be stored in a Hamlet financial account which will be used to maintain the road to the quarry site, cover administrative costs, and to remediate the quarry.After the quarry is depleted, the Hamlet will smooth out the edges of the site to ensure no steep inclines are present. Vegetation that was present prior to the use of the site will grow back over time.Due to its proximity to the community of Rankin Inlet, its estimated volume, and the existing road that reaches the site, makes the sand pit a desirable site for the extraction of quarry material.

ᐅᐃᐋᑎᑐᑦ: not applicable

ᐃᓄᒃᑎᑐᑦ: ᑲᖏᖅᖠᓂᕐᒥᑦ ᑐᐊᐸᒃᑕᕐᕕᒃ ᒫᓐᓇ ᐊᑐᖅᑕᐅᕙᒃᑐᖅ Hᐋᒻᓚᑦᑯᓐᓄᑦ ᑲᖏᖅᖠᓂᕐᒥᑦ ᐃᓚᒥᔭᐅᔪᓄᓪᓗ ᑭᒃᑯᑐᐃᓐᓇᓄ ᑐᐊᐸᒃᑕᖅᑐᓂᑦ ᐊᓯᖏᓐᓂᒡᓗ ᐅᔭᖅᑲᓂᒃ ᓄᓇᓕᖕᓂ ᓴᓇᔭᐅᔭᕆᐊᖃᖅᑐᓂᑦ ᐊᖑᒻᒪᑎᕐᑯᓪᓗᒥᑦ. ᑐᐊᐸᖕᒥᒃ ᐊᑐᕐᑲᑦᑕᖅᑐᑦ ᐊᔾᔨᒌᕐᑲᑦᑕᙱᒥᑦᑐᑦ Hᐋᒻᒪᓚᒃᑯᓐᓄᑦ ᐊᑐᖅᑕᐅᓂᐊᖅᑐᖅ ᐊᖅᑯᑎᓕᐅᖅᑎᓪᓗᒥᑦ ᐋᖅᑭᒋᐊᖅᑕᐅᔾᔪᑎᖏᓐᓄᓪᓗ. ᑭᒃᑯᑐᐃᓐᓇᐃᑦ ᐊᑐᕈᓐᓇᕐᓂᐊᖅᑐᑦ ᓇᖏᓂᖅ ᐊᑐᕈᒪᔭᒥᓄᑦ. ᑐᐊᐸᒃᑕᕐᕕᒃ ᐊᐅᔭᒃᑯᑦ (ᔫᓂ–ᒥᑦ–ᓯᑎᐱᕆ–ᒧᑦ) ᐊᑐᖅᑕᐅᕐᑲᑦᑕᕐᓂᐊᖅᐳᖅ ᐊᕐᕌᒍᑕᒫ ᑐᐊᐸᖕᒪ ᓄᖑᓐᓇᓯᐊᕐᓂᖕᒪᓄᑦ. ᐊᑐᒐᔪᖕᓂᖅᓴᐃᑦ ᒪᓕᖕᓂᐊᖅᐳᑦ ᑲᖏᖅᖠᓂᕐᒥ ᐃᒡᓗᓕᐅᖅᑐᓄᑦ ᓯᐅᕋᖅᑖᕆᐊᓕᖕᓄᓪᓗ ᐊᓯᖏᓐᓂᒡᓗ ᐅᔭᖅᑲᓂᒃ ᐊᕐᕌᒍᒥ. ᑐᐊᐸᒃᑕᕐᕕᒃ 7.3 ᑭᓗᒦᑕᒥᑦ ᐅᖓᓯᒃᑎᒋᔭᖅ ᑲᖏᖅᖠᓂᕐᒥᑦ ᐊᒻᒪ 222 ᒦᑕᒥᑦ ᐅᖓᓯᒃᑎᒋᓪᓗᓂ ᐃᖃᓗᒑᕐᔫᑉ ᓄᓇᖓᑕ ᒥᕝᕕᒍᐃᖅᓯᕐᕕᐊᓂ ᓂᒥᐊᓂ.ᑖᓐᓇ ᐃᓂᒥᔭᐅᔪᖅ ᐊᑐᖅᑕᐅᕋᓂᓕᓐᓂᖅᐳᖅ ᑐᐊᐸᓕᕆᔪᓄᑦ. ᖃᖓ ᓯᐳᓪᓕᖅᐹᒥ ᐊᑐᖅᑕᐅᓕᓚᐅᕐᒪᖔᑦ ᐅᓪᓗᖓ ᓇᓗᔭᐅᔪᖅ ᑭᓯᐊᓂ ᓇᓚᐅᑦᑖᖅᑕᐅᓯᒪᔪᖅ ᐃᒻᒪᖄ 1990 ᐱᒋᐊᓕᕚᖅᑎᓪᓗᒍ. ᑲᑎᖦᖢᒥᑦ ᑐᐊᐸᒃᑕᖅᑕᑦ ᑕᒡᕙᙳᓚᑦ ᓇᓗᔭᐅᔪᖅ.ᑐᐊᐸᒃᑕᖅᑕᐅᔪᓕᒫᖅ ᐅᔭᕋᓚᑳᕐᒍᑯᖅ; CAT–ᒃᑯᑦ ᑐᐊᐸᒃᑕᐅᑎᖕᒥᓐᓄᑦ ᐊᒻᒪ ᐅᓯᒃᑲᖅᑕᐅᑎᖕᒥᓐᓄᑦ ᑐᐊᐸᒃᑕᖅᑕᐅᓂᐊᖅᑐᑦ. ᐅᓯᒃᑲᖅᑕᐅᑏᑦ ᐅᖁᒪᐃᑦᑐᓂᑦ ᐊᔾᔨᒌᙱᑦᑐᑦ ᐊᕐᒥᓕᓈᑦ ᐊᑐᖅᑕᐅᓂᐊᖅᑐᑦ ᐅᓯᔾᔪᑕᐅᓗᑎᑦ ᐅᔭᕋᒃᑕᕐᕕᐅᔪᒥᑦ. ᖄᖅᑎᑦᑎᕐᑲᑦᑕᔾᔫᖕᒥᑦᑐᑦ ᑕᓖᓂ. ᓇᓚᐅᑦᑖᕐᑕᐅᓯᒪᔪᕐᓕ 300,000 ᑭᐹᖑᒃᑐᑦ ᒦᑕᑦ ᑐᐊᐸᑦ ᐊᒥᐊᒃᑯᓂᐊᕐᓯᒥᓪᓗᑎᒃ.ᐊᖅᑯᑎᕐᑲᖅᑐᖅ ᓄᓇᓕᖕᓂᙵᖅᑐᒥᒃ ᒥᕝᕕᒍᐃᖅᓯᕐᕕᖕᒧᑦ ᑎᑭᖦᖢᒍ ᑲᖏᖅᖠᓂᐅᑉ ᑐᐊᐸᒃᑕᕐᕕᐊ ᖄᖏᖅᖢᒍ. ᑖᓐᓇ ᐊᖅᑯᑎ ᐊᑐᖅᑕᐅᕐᑲᑦᑕᕐᓂᐊᖅᐳᖅ ᑐᐊᐸᒃᑕᕐᕕᓕᐊᖅᑐᓄᑦ. ᐊᑐᖅᑕᐅᒐᔪᒃᐳᖅ ᑕᒪᐃᓐᓄᑦ Hᐊᒪᓚᒃᑯᓐᓄᑦ, ᑲᖏᖅᖠᓂᕐᒥᐅᓄᑦ ᐊᒻᒪ ᑳᑦᑐᓵᒃᑎᓄᑦ.ᑐᐊᐸᒃᑕᕐᕕᒃᓴᖅ ᑕᐃᔫᓯᖃᙱᑦᑐᒦᑉᐳᖅ Hᐋᒪᓚᒃᑯᑦ ᓄᓇᖓᓂ ᓄᓇᓕᖕᓂ ᒪᑭᒪᒃᑯᓐᓂᓪᓗ ᐱᕙᑎᖃᖅᑎᒃᑯᓐᓂ ᐊᐅᓚᑕᐅᓪᓗᓂ. ᐊᖏᖅᑕᐅᔾᔪᑎᒥᒃ ᐱᓯᒪᓕᖅᐸᑕ ᑐᐊᐸᒃᑕᕐᕕᒃᓴᒧᑦ, ᓄᓇᓕᖕᓂ ᒪᑭᒪᒃᑯᓐᓂᓪᓗ ᐱᕙᑎᖃᖅᑎᒃᑯᑦ ᑐᐊᐸᒃᑕᕐᕕᖕᒥ ᐊᐅᓚᑦᑎᓂᕐᒧᑦ ᐊᖏᕈᑎᓕᐅᕐᓂᐊᖅᐳᑦ Hᐋᒪᓚᒃᑯᓐᓂ Hᐋᒪᓚᒃᑯᓪᓗ ᑐᓂᓯᕙᓐᓇᖅᓯᓂᐊᖅᓱᑎᒃ ᑐᐊᐸᒃᑕᕐᕕᒃᓴᒧᑦ ᐱᕙᓐᓇᐅᑎᒥᒃ ᓄᓇᓕᖕᓂ ᒪᑭᒪᒃᑯᓐᓂᓪᓗ ᐱᕙᑎᖃᖅᑎᒃᑰᙵᕐᒥᖔᖅᑐᖅ. Hᐋᒪᓚᒃᑯᑦ ᑐᐊᐸᒃᑕᖅᑕᐅᕙᓂᒃ ᑲᑎᖅᓯᐃᓂᐊᖅᐳᑦ ᐃᓚᒥᔭᐅᕙᓪᓗ ᐃᓄᖕᓄᑦ ᑐᐊᐸᒃᑭᕆᓇᐅᑎᑖᕐᓂᐊᖅᐳᑦ Hᐋᒪᓚᒃᑯᓐᓂ. ᑐᐊᐸᒃᑭᕆᓇᐅᑎᑖᕈᑎᑦ ᐊᑭᓕᓇᐊᕙᑦ ᑐᖅᑯᖅᑕᐅᓂᐊᖅᐳᑦ Hᐋᒪᓚᒃᑯᑦ ᑮᓇᐅᔭᒃᑯᕕᖕᒪᓄᑦ ᐊᑐᖅᑕᐅᓂᐊᓪᓗᑎᒃ ᑐᐊᐸᒃᑕᕐᕕᓕᐊᓇᐊᑉ ᐊᖅᑯᑎᖕᒪᑕ ᑲᒪᒋᔭᐅᔾᔪᑎᖕᒪᓄᑦ, ᐊᓪᓚᕝᕕᓕᕆᔾᔪᑎᓄᑦ ᐊᑭᓕᐅᑕᐅᓗᑎᒃ, ᐊᒻᒪ ᑐᐊᐸᒃᑕᕐᕕᐅᑉ

ᐋᖅᑭᒋᐊᖅᑕᐅᓂᖓᓄᑦ.ᑐᐊᐸᒃᑕᕐᕕᒃ ᓄᖑᓯᒪᓕᖅᐸᑦ, Hᐋᒪᓚᒃᑯᑦ ᐊᖅᑯᑎᐅᑉ ᑭᒡᓕᖓᓂ ᖃᐃᖅᑲᒃᓴᐃᓂᐊᖅᐳᑦ ᓯᕕᖓᓂᖏᑦ ᓴᖅᑭᔮᕈᓐᓃᖅᑎᓪᓗᒋᑦ. ᐱᕈᖅᑐᐃᑦ ᓴᖅᑭᔮᓚᐅᖅᑐᑦ ᑐᐊᐸᒃᑕᕐᕕᐅᓚᐅᙱᑎᓪᓗᒍ ᐱᕈᒃᑲᓐᓂᓛᖅᑐᑦ ᖃᑯᒍᒃᑲᓐᓂᖅ.ᐅᖓᓯᖕᓂᖓᓄᑦ ᑲᖏᖅᓱᓂᕐᒥᐅᓄᑦ, ᓇᓚᐅᑦᑖᖅᑕᐅᔪᖅ ᐊᖏᓂᖓ, ᐊᖅᑯᑎᖓᓗ ᑕᐃᑯᖓ ᑎᑭᓯᒪᔪᖅ, ᑐᐊᐸᒃᑕᕐᕕᒃᑯᒥᒋᔭᐅᕗᖅ.

Inuinnaqtun: not applicable

Personnel

Personnel on site: 2

Days on site: 1800

Total Person days: 3600

Operations Phase: from 2020-03-31 to 2030-09-24

ᐱᓪᓇᐊᓇᔭᐅᓂᐊᖅᑐᑦ

ᓇᒥ	ᖃᓄᐃᓕᑦᑐᒥᑦ ᐱᓪᓇᐊᖃᓂᐊᖅᓯ	ᑭᓱᑯᑦ ᓄᓇᕗᒻᒥᐅ	ᑐᓴᐅᒪᔭᓱᓴᑦ ᓄᓇᐅᑦ ᖃᐅᓱᐅᓪᓚᐅᖅᓭᒪᔭᓇᐊᖓᓕᓂᓂᓱ	ᐃᑦᓴᑦᓂᑕᖃᖅᓴᐃᐅᓕᓪᓚᐅᖅᓯ ᐃᓄᖓᓄᑦ ᓇᔨᖅᑕᐅᖃᑦᑕᑦᓂᕗᓕᓗ ᑕᐃᑦᓭᒪᓂᑐᖃᓖᑦᑐᖅ	ᖃᓄᖓᓂᓂᖅᓯᖅ ᓄᓇᑕᑭᔭᐅᔨᖅ ᐊᒻᒪᓗ ᓴᓕᒥᓱᐃᐅᓕᓪᓚᐅᖅᓯ ᓭᓇᓄᑦ
Quarry boundary	Quarry/Borrow pit	Commissioners	The current use of this site is for quarrying purposes. It is estimated that this site was used as a quarry since at least the 1990's. Prior to that date, this site has no land use.	This site has no archaeological or paleontological value.	The quarry is located 7.3 kilometres from the community of Rankin Inlet. The Iqalugaarjuup Nunanga Territorial Park is 222 metres north of the quarry boundary. No other known protected areas in or around the quarry boundary.

ᓄᓇᕗᑦ ᐃᓕᐅᖃᑕᐅᓂᖏᓐᓄᓗ ᓄᓇᓵᓪᓗ ᐊᐱᵇᑐᖅᓭᒪᐅᖃᓂᖏᓐᓄᓗᓄᑦ ᐃᑲᔪᑕᐅᔪᓐᓇᖅᑐᑦ

ᓄᓇᕗᑦᓯᖅ	ᐊᑎᑦ	ᑲᑐᔾᔨᐊᖃᖅᑎᑎᑦᓯᖅ	ᖃᓄᖓᓂᓂᖅᓯᖅ ᑐᓴᐅᒪᔭᓇᐊᖓᓕᓂᓂᓱ
ᑲᖏᑦᓂᓂᖅ	Morag Macpherson, Senior Administrative Officer	The Municipal Corporation of the Hamlet of Rankin Inlet	2020-05-27

ᓚᐃᓴᓐᓲᑦ ᐱᒍᓐᓇᐅᑏ ᐊᖏᖅᑕᐅᓯᒪᔪᑦ

ᓇᒦᒥᐊᖏᓐᓂᒃ ᐱᓕᕆᐊᕆᐊᕐᕕᐅᓂᐊᖅᑐᑦ ᑎᑎᑫᕐᓗᒥᑦ:

Kivalliq

ᓚᐃᓴᓐᓲᑦ ᐱᒍᓐᓇᐅᑏ ᐊᖏᖅᑕᐅᓯᒪᔪᑦ

ᒐᕙᒪᒋᔭᐅᔫᑉ ᐊᕕᒃᑐᖅᓯᒪᐅᕐᓂᖕᒐᓐᓂ ᒪᓕᒐᕐᓅᖕᒐᔪᓂᒃ ᐱᕐᑯᔭᕐᓅᖕᒐᔪᓂᒡᓗ ᑲᒪᔩᑦ ᐱᔪᓐᓇᐅᑎᑖᕆᑎᓂᒃ ᓚᐃᓴᓐᓯᓄᓪᓗ ᑲᔪᓯᒃᑲᐃᔩᑦ	ᖃᓄᐃᑦᑐᓪᓚᓇᐅᕙ ᓚᐃᓴᓐᓯᑖᕈᑕᐅᔪᖅ ᐱᔪᓐᓇᐅᑎᑖᕈᑕᐅᔪᖅ ᐊᖏᖅᑕᐅᔪᕐᓅᓐᓃᑦ	ᒫᓐᓇ ᖃᓄᐃᓕᖓᕙ	ᐅᓪᓗᒥ ᑐᓂᔭᖅ/ ᑐᒃᓯᕐᑑᑕᐅᓚᐅᖅᓯᒪᔪᖅ	ᑭᒡᓕᖅᑲᕐᕕᖓ
Government of Nunavut, Community Government & Services	The quarry boundary is located on Untitled Municipal Land, which is administered by CGS. CGS is the applicant and we approve of this NIRB application.	Active		
Hamlets and Municipalities	Senior Administrative Officer with the Hamlet of Rankin Inlet gave consent to move forward with this application.	Active		

Project transportation types

Transportation Type	ᓱᓇᒧᑦ ᐊᑐᒐᐅᓂᐊᖅᐸ	Length of Use
Land	There is an existing road that was and is still being used to access the site. CAT loaders, excavators and dump trucks will use this road.	

Project accomodation types

ᓄᓇᓕᒥᔭᖅ

ᐊᑐᒐᐅᓂᐊᖅᑐᖅ

ᐱᕐᑯᑦ ᐊᖏᔪᖅ ᐊᑐᖅᑕᐅᓂᐅᓴᔪᖅ ᐃᓚᖃᓯᐅᑎᓗᒋᑦ ᐃᑰᑕᐃᑦ, ᒥᓪᓗᐊᕈᑏᑦ, ᖃᖓᑕᓲᖅ, ᓄᓇᓯᐅᑦ ᐊᓯᖏᓪᓗ

ᐊᖏᔪᖅ ᐱᕐᑯᑦ ᐊᑐᒐᐅᓂᐊᖅᑐᖅ ᖃᓄᐃᑦᑑᓂᖓ	ᖃᑦᓯᐅᕙᑦ	ᐊᖏᓂᖏᑦ - ᐳᖅᑐᓂᖏᑦ	ᓱᓇᒧᑦ ᐊᑐᒐᐅᓂᐊᖅᐸ
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
Track Excavator	1	10m(L) x 3.2m (H) x 3.2m (W)	excavate quarry material

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ᓱᓇᒧᑦ ᐅᖅᓱᒃᓴᒡᒥᐊᖅ ᐊᑐᒐᐅᓂᐊᖅᐸ	ᖃᓄᐃᑦᑐᓪᓚᕆᐅᕙ ᐅᖅᓱᒃᓴᒡᒥᐊᖅ	ᖃᑦᓯᐅᕙᑦ ᐅᖅᓱᒃᓴᖃᐅᑏᑦ	ᑑᒃᓴᐅᑉ ᐃᒪᖃᖅᑎᒋᔫᓇᕐᓂᖓ	ᑲᑎᓪᓗᒍ	ᑑᒃᓴᐃᑦ ᐊᒥᓲᓂᖏᑦ	ᓱᓇᒧᑦ ᐊᑐᒐᐅᓂᐊᖅᐸ
Diesel	fuel	1	535	535	Liters	fuel tank that attached to the CAT Wheel loader. Diesel will be taken from the community fuel station.
Diesel	fuel	1	567	567	Liters	fuel tank that attached to the Dump Truck. Diesel will be taken from the community fuel station.
Diesel	fuel	1	600	600	Liters	fuel tank that attached to the Track Excavator. Diesel will be taken from the community fuel station.

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ᐅᓪᓗ ᑕᒫᖅ ᐊᑐᖅᑕᐅᓂᐊᖅᑐᖅ	ᖃᓄᖅ ᐃᒥᖅᑕᖃᑦᑕᕐᓂᐊᖅᐸᑦ	ᓇᑭᑦ ᐃᒥᖅᑕᖃᑦᑕᕐᓂᐊᖅᐸᑦ
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ᐊᑲᑕᔪᑦ

ᐊᑲᑕᔪᓪᓗᓂᐊᕐᓂᖅ

ᐱᓕᓇᐊᓇᓵᐅᔨᒪᔨᒍᑦ ᐱᓕᓇᐊᓇᓵᐅᓂᐊᖅᑐᖅ	ᖃᓄᐅᐃᑦᑐᖅ ᐊᑲᑕᔪᖅ	ᖃᓄᐅᑎᒋ ᐊᑲᑕᔪᑦ ᓴᖅᑭᐊᓂᐊᖅᑐᓇᓵᐅᐅᔪᑦ	ᖃᓄᐅᖅ ᐊᑲᑕᖅᑕᐅᓂᐊᖅᐸ	ᓴᓗᒪᖅᓴᐅᑎᑲᓴᓚᖅᓂᐅᓂᐊᖅᑐᑦ
Quarry/Borrow pit	ᐃᒪᐃᑦ ᐊᑐᖅᑕᐅᓴᓐᓇᖅᓯᒪᔪᑦ	various	After discontinuation of quarrying, any ditches will be filled in and leveled off to match the surrounding area to ensure no accumulation of water will occur.	If determined by the local Hamlet to be necessary, signs will be posted in the quarry site to warn of any hazards.

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The natural vegetation such as moss and other arctic plants on the surface will be disturbed due to the extraction process of the aggregate. After the quarry is depleted of usable aggregate, the edges of the quarry will be smoothed out to prevent steep inclines. The Vegetation will grow back 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

•This quarry site will be used to extract sand and other fine quarry material. A CAT track excavator will be used to dig and loosen the soil for extraction. A CAT loader will be used to stockpile, and a CAT dump truck will be used to haul the aggregate to and from the quarry.•The sand pit contains natural sand eskers approximately 15 metres in height. Extraction of sand will be taken from these eskers.•The closest navigable waterbody is located 1.2 kilometres south-east of the quarry.•There will be no blasting or washing in this activity but there will be stockpiling of 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 I1: Municipal Development

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•The site is already being used for quarrying purposes. It was estimated this quarrying started in the early 1990's. Prior to quarrying there was no land use. •The quarry is approximately 200 metres east of a large lake. This waterbody is known locally as "first landing lake". The depth of this lake is not known but it has an approximate diameter of 744 metres. North-east of First Land Lake is an existing bridge named Char River Bridge that crosses over a drainage channel that drains water from First Landing Lake to Hudson Bay. It is located approximately one kilometre south of the Sand Pit. This bridge is used to access the quarry site.•The sand pit contains natural sand eskers. These eskers have an elevation of 15 metres from the highest peak of the esker to the bottom of the quarry. An image of the sand pit can be found attached to this NIRB application in Jpeg named "Rankin Inlet sand pit".•There is an existing road that connects the community to the Iqalugaarjuup Nunanga Territorial Park that passes by the Rankin Inlet sand pit. This road will be used to access the site. It is used frequently by both the Hamlet, community residents, and contractors. •There is no evidence of ice lensing, Therokarsts, ground or rock instability and seismicity. •There are no heritage sites, sport and commercial fishing areas, migration routes, protected wildlife areas or sites of cultural or historical significance, or areas of natural beauty within or around the quarry boundary.•Surface and bedrock geology, permafrost, and, sediment and soil quality are not known.

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•A portion within the sand pit boundary is already being used for quarrying purposes. This portion has been stripped of natural vegetation such as moss. The other portion has been untouched and contains typical vegetation found in Nunavut such as moss and other arctic plants.•There are no wildlife or bird migration routes nor is there any species of concern in this area.

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•The site is located 7.3 kilometres north of the community of Rankin Inlet and 222 metres south of the

Iqalugaarjuup Nunanga Territorial Park.•There are no archaeological or culturally significant sites within or around the quarry.•There is no subsistence harvesting, tourism, trapping or guiding operations in the quarry.•As mentioned previously, there is an existing road that connects the community to the Iqalugaarjuup Nunanga Territorial Park that passes by the Rankin Inlet sand pit. This road will be used to access the site. It is used frequently by both the Hamlet, community residents, and contractors.•Since the quarry site is located 7.3 kilometres from the community of Rankin Inlet and 222 metres south of the Iqalugaarjuup Nunanga Territorial Park, the effect of the extraction process on the well-being of the residence will be minimal.

Miscellaneous Project Information

•The site is not located within the Caribou protection areas or schedule 1 Species at Risk known locations.•At this time, the Hamlet and Department of Community and Government Services were consulted regarding this site to be used as a quarry. There are no future consultation plans besides posts on social media that the public is discouraged from entering the Rankin Inlet Sand pit for safety reasons.

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The local Hamlet will be the administrator of the Rankin Inlet sand pit. This quarry site will be used by the Hamlet and members of the public. The Hamlet will issue quarry permits to the public and these quarry permits will come with the following conditions:1.No extraction of aggregate will occur within 31 metres of any waterbody.2.The contractor will inform the Hamlet the date and time when they plan to extract the material to ensure the Hamlet, if deemed necessary, supervise the extraction of aggregate.3.The extraction of aggregate and their surroundings, is done in an environmentally sound manner that is satisfactory to the Hamlet and/or NIRB.4.Excavation is not to occur outside of the established quarry boundary.5.Stockpiling of aggregate will be located at least 31 metres from any waterbody to avoid water siltation and obstruction.6.Access to and from the quarry site will only be done through designated roads.7.Once extraction of aggregate is complete then the contractor will remove all types of their equipment from the site and slops grade reduction with use of unsuitable stockpiles and uncrushed rocks.8.The contractor will follow the fuel spill plan.There will be no petroleum stored on site, but the equipment used in the extraction of aggregate such as loaders and excavators do have diesel tanks attached to them. In the unlikely event that one of these tanks is punctured the person on site shall:1.immediately attempt to seal and contain the leak.2.contact the Hamlet's Senior Administrative officer (SAO) at (867) 645-2895 and the 24- hour spill report line at (867) 920-8130.3.With direction of the SAO and/or from the 24-hour spill report line, all contaminated shall be removed and placed in hazardous waste bulk bags4.The contaminated soil shall be transported to the Rankin Inlet land farm site.There is no dust mitigation measures.

Cumulative Effects

•The road from the Community to the Iqalugaarjuup Nunanga Territorial Park which passes by the sand pit is well known by the residents of Rankin Inlet. It is used regularly by the Hamlet to access the sand pit, members of the public for recreational and leisure purposes and by the mining company Agnico Eagle Mines Limited to reach their Meliadine gold mine. Any possible cumulative effects from this sand pit will be minimal.

Impacts

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	PHYSICAL	Designated environmental areas	Ground stability	Permafrost	Hydrology / Limnology	Water quality	Climate conditions	Eskers and other unique or fragile landscapes	Surface and bedrock geology	Sediment and soil quality	Tidal processes and bathymetry	Air quality	Noise levels	BIOLOGICAL	Vegetation	Wildlife, including habitat and migration patterns	Birds, including habitat and migration patterns	Aquatic species, incl. habitat and migration/spawning	Wildlife protected areas	SOCIO-ECONOMIC	Archaeological and cultural historic sites	Employment	Community wellness	Community infrastructure	Human health
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Quarry/Borrow pit			-	U	U	-	-	-	-	U	U	-	-	M		M	-	-	-	-		-	P	P	P	-
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(P = ᐊᖏᐅᓴᑭᔪᓐᓇᖅᑐᑦ, N = ᐊᖏᐅᖅᑎᓲᑕᐅᔪᓐᓇᖅᑐᑦ ᑭᓪᐅᒥᓲᓱᖅᑐᑕᐅᔪᓐᓇᖅᑐᖅᑎᑐᓗ, M = ᐊᖏᐅᖅᑎᓲᑕᐅᔪᓐᓇᖅᑐᑦ ᑭᓪᐅᒥᓲᓱᖅᑐᑕᐅᔪᓐᓇᖅᑐᖅᑎᑐᓗ, U = ᖃᖏᐅᑉᒪᓐᓇᖅᑎᑐᓗ)

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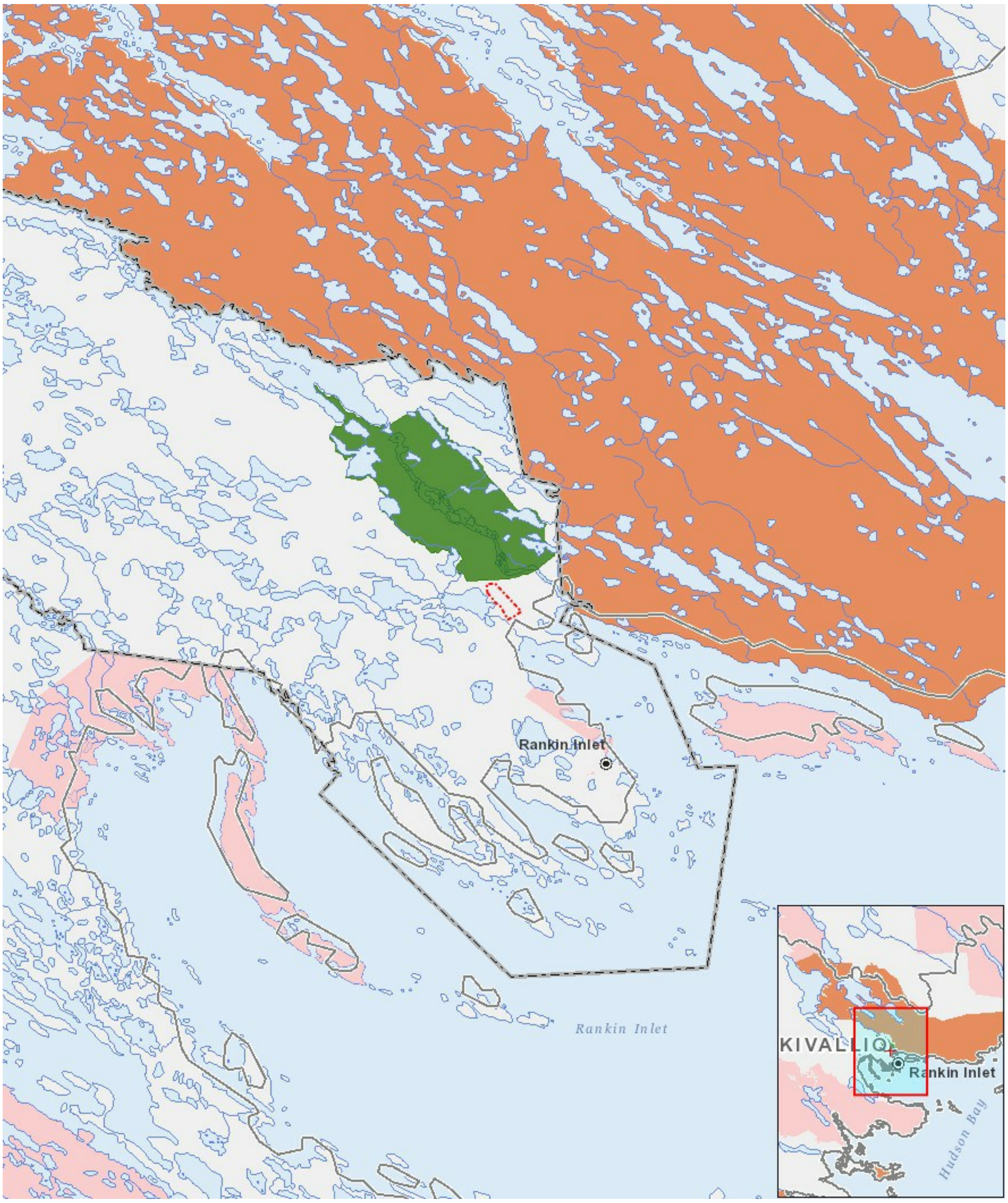

List of Project Geometries

1	polyline	Quarry boundary