NIRB Application for Screening #126446

New Quarry Permit to Pilitak Enterprises Ltd at the Hamlet of Pangnirtung,Nunavut.

Application Type: New

Project Type: All-Weather Road / Access Trail

Application Date: Saturday, May 2, 2026

Period of operation: from 2026-06-01 to 2026-09-30

Project Proponent:
Bhabesh Roy
Advanced Engineering Group Inc
672 Adams way S.W.
Edmonton Alberta T6W 0K1
CA
Phone Number:: 6139228560, Fax Number::

DETAILS

Non-technical project proposal description

English: Executive SummaryNew Quarry Permit Application – Pilitak Enterprises Ltd.Hamlet of Pangnirtung, NunavutThe Hamlet of Pangnirtung is a medium-sized community in Nunavut with an approximate population of 1,600. It is served by a small airport that accommodates two daily flights. The airport was originally opened as a gravel airstrip in 1978 and is currently undergoing runway resurfacing and rehabilitation.Pilitak Enterprises Ltd. is the general contractor currently undertaking the runway resurfacing project. The granular material required for the resurfacing must meet strict specifications to achieve the required Proctor density. These specifications cannot be met using material currently available from the existing hamlet quarry alone, as that source does not contain sufficient fine-grained material. To address this deficiency, Pilitak has identified a nearby borrow source where material sampling has confirmed the presence of adequate quantities of suitable fine material for the project.The proposed new quarry site is located in the vicinity of the existing hamlet quarry and can be accessed using the same municipal road. Pilitak estimates that the maximum quantity of fine material to be extracted from this new site will be approximately 2,000 m³. Quarry operations are expected to be carried out by Pilitak between June and November 2026.The proposed work will include the following activities:1.Site preparation, including removal of topsoil and overburden;2.Extraction and processing of resources, including excavation of granular material, as well as crushing, screening, and stockpiling; and3.Closure and remediation, including restoration of the quarry site prior to permit expiry.All equipment required for this operation is already available in the community.Operational activities, including loading, hauling, and excavation, will be carried out during hours acceptable to the Hamlet. Should seepage water be encountered, Pilitak will implement appropriate drainage measures to ensure that runoff does not flood or adversely affect the municipal road. No external water will be used at the project site, and no waste is expected to be generated or discharged into natural water bodies. No fuel will be stored on site. Nevertheless, a spill contingency plan will be in place to address any unforeseen spill from equipment operating at the site. Material extracted from the new quarry site will be transported immediately to the existing hamlet quarry, where it will be blended with coarser material and processed to produce the final runway surfacing material. Once the required quantity of material has been extracted, the new quarry area will be re-graded and levelled to eliminate steep slopes and unsafe depressions. Disturbed areas will be stabilized and vegetated, where feasible, as soon as practicable to reduce erosion and minimize dust generation.

French: Résumé exécutifDemande de permis pour une nouvelle carrière – Pilitak Enterprises Ltd.Hameau de Pangnirtung, NunavutLe hameau de Pangnirtung est une collectivité de taille moyenne au Nunavut, avec une population d'environ 1 600 habitants. Il est desservi par un petit aéroport qui accueille deux vols par jour. L'aéroport a été initialement ouvert en 1978 sous forme de piste en gravier et fait actuellement l'objet de travaux de réfection et de réhabilitation de la piste.Pilitak Enterprises Ltd. est l'entrepreneur général chargé du projet de réfection de la piste. Les matériaux granulaires requis pour les travaux doivent respecter des spécifications strictes afin d'atteindre la densité Proctor requise. Ces spécifications ne peuvent pas être satisfaites uniquement avec les matériaux disponibles dans la carrière existante du hameau, car cette source ne contient pas une quantité suffisante de matériaux fins. Pour combler ce manque, Pilitak a identifié une source d'emprunt à proximité, où des analyses d'échantillons ont confirmé la présence de quantités suffisantes de matériaux fins appropriés pour le projet.Le site proposé pour la nouvelle carrière est situé à proximité de la carrière existante du hameau et est accessible par la même route municipale. Pilitak estime que la quantité maximale de matériaux fins à extraire de ce site sera d'environ 2 000 m³. Les opérations de carrière devraient être réalisées par Pilitak entre juin et novembre 2026.Les travaux proposés comprendront les activités suivantes :1. Préparation du site, y compris l'enlèvement de la terre végétale et du recouvrement;2. Extraction et traitement des ressources, y compris l'excavation des matériaux granulaires ainsi que le concassage, le criblage et l'entreposage;3. Fermeture et remise en état, y compris la restauration du site de la carrière avant l'expiration du permis.Tout l'équipement nécessaire à cette opération est déjà disponible dans la collectivité.Les activités opérationnelles, y compris le chargement, le transport et l'excavation, seront effectuées durant des heures acceptables pour le hameau. En cas de présence d'eau d'infiltration, Pilitak mettra en œuvre des mesures de drainage appropriées afin d'éviter que les eaux de ruissellement n'inondent ou n'endommagent la route municipale. Aucune eau externe ne sera utilisée sur le site, et aucun déchet ne devrait être généré ni rejeté dans les milieux aquatiques naturels. Aucun carburant ne sera entreposé sur le site. Toutefois, un plan d'intervention en cas de déversement sera en place

afin de gérer tout incident imprévu lié aux équipements utilisés sur le site.Les matériaux extraits du nouveau site de carrière seront transportés immédiatement vers la carrière existante du hameau, où ils seront mélangés avec des matériaux plus grossiers et traités afin de produire le matériau final destiné à la réfection de la piste.Une fois la quantité requise de matériaux extraite, le site de la nouvelle carrière sera reprofilé et nivelé afin d’éliminer les pentes abruptes et les dépressions dangereuses. Les zones perturbées seront stabilisées et végétalisées, lorsque cela est possible, dès que possible afin de réduire l’érosion et de minimiser la production de poussière.

Inuktitut: ᑎᑎᖅᑲᐅᓯᖅ (Executive Summary)ᓄᑦᖃᖅ ᑲᖏᕕᖅ ᐊᑐᖅᑐᐊᑭᑎᕐᓴᖅ – Pilitak Enterprises Ltd.ᐸᓚᓂᖅᑐᖅ ᓄᓇᓕᓚᒐ, ᓄᓇᕗᑦᐸᓚᓂᖅᑐᖅ ᓄᓇᓕᓚᒐ ᓄᓇᕗᒻ ᓄᓇᓕᒃ ᐊᓚᕆᓂᓚᓂ ᓄᓇᓕᐅᕐᓴᖅ, 1,600-ᐸᓗᒃ ᐃᓄᖑᖅᑐᖅ. ᐊᖅᑭᕈᒪᔪᖅ ᒥᕈᓂᖅ ᐊᐅᓪᓚᕆᐊᒃ (ᐊᐅᓪᓚᕆᒃ) ᑭᖓᔪᓕᖅ ᓂᐅᕆᖅᑎᑕᐅᕐᓴᑦ ᐊᑦᑐᔪᒥ 2-ᐸᓗᒃ. ᐊᐅᓪᓚᕆᒃ ᓯᕗᓕᓕᖅ 1978-ᒥ ᐊᑐᖅᑕᐅᕈᒪᔪᖅ ᑯᓘᖅ ᐊᐅᓪᓚᕆᒃ ᐊᒻᒪ Ỉᓛᓐ ᐊᑐᖅᑕᐅᓂᖓ ᐊᖅᑭᕈᒪᔪᖅ ᐊᒻᒪ ᓄᖑᓘᖅᑎᓂ ᐊᐅᓪᓚᕆᒃ.Pilitak Enterprises Ltd. ᐊᖏᔪᖅ ᐊᑭᓕᖅᑎᐅᕐᓴᖅ ᐊᐅᓪᓚᕆᒃ ᐊᖅᑭᕈᒪᔭᐃᓂᖅ ᐱᓇᓯᐊᖅᑎᐅᓪᓗᓂ. ᐊᑐᖅᑕᐅᕐᓴᑦ ᑯᓘᖅ ᐱᕐᔪᑎᑦ ᐊᖅᑭᕈᒪᔭᐃᓂᖅ ᐊᑭᖑᖅᑐᑦ ᐱᖓᓱᐊᓪᓚᑦ ᐊᑐᖅᑕᐅᓚᑦ ᐊᒻᒪ Proctor ᐊᓯᖏᑦ ᐱᖓᓱᐊᓪᓚᑦ ᐊᓯᐊᓂ ᐱᖓᓱᐊᓕᐅᕐᓴᑦ. ᑯᓘᖅ ᓄᓇᖅ ᐊᐅᓪᓚᕆᒃ ᓄᓇᓕᓚᓂ ᓄᓇᓕᒃ ᐊᓯᖏᑦ ᐊᖅᑭᕈᒪᔭᐃᓂᖅ ᐱᖓᓱᐊᓪᓚᑦ ᑎᑭᑦᑐᖏᑦ ᑲᒪᓂᖅ ᓂᖏᖅᑐᑦ. ᑕᐃᒪᐃᓕᖏᓚᖓᓚᓄᑦ Pilitak ᓄᓇᒥ ᓄᑦᖃᒥ ᐊᖅᑭᕈᒪᔭᐃᓂᖅ ᐱᖓᓱᐊᓪᓚᑦ ᓂᖏᖅᑐᑦ ᐱᖓᓱᐊᓪᓚᑦ ᐊᓯᐊᓂ ᐱᖓᓱᐊᓕᐅᕐᓴᑦ.ᓄᑦᖃᖅ ᑲᖏᕕᖅ ᐊᑭᓕᖅᑎᐅᕐᓴᖅ ᓄᓇᓕᖏᓚᓂ ᐊᐅᓪᓚᕆᒃ ᑯᓘᖅ ᓄᓇᖅ ᐊᒻᒪ ᐊᑐᖅᑐᐊᖅ ᓄᓇᓕᖏᓚᓂ ᐊᖅᑭᕈᒪᔪᖅ ᐊᑭᓕᖅᑎᐅᕐᓴᖅ. Pilitak ᑎᑭᑦᑐᖅ 2,000 m³ ᑯᓘᖅ ᐱᖓᓱᐊᓂ ᓄᓇᖅ ᓂᖓᖅᑐᑦ ᐊᖅᑭᕈᒪᔭᐃᓂᖅ. ᐊᐅᓪᓚᕆᓂᖅ ᑲᖏᕕᖅ ᐊᐅᓪᓚᕆᑎᖅ ᔨᓂᒥ ᓄᕕᐱᓗᒍ 2026.ᐱᓇᓯᐊᖅᑕᐅᕐᓴᑦ:1. ᓄᓇᖅ ᐊᖅᑭᕈᒪᓂᖅ;2. ᐱᖓᓱᐊᓂ ᐊᖅᑭᕈᒪᔭᐃᓂᖅ;3. ᐃᓯᓕᓂᖅ ᐊᒻᒪ ᐊᓯᖓᑦ.ᐊᐅᓪᓚᕆᒃ ᐱᖓᓱᐊᓂ ᐊᑭᓕᖅᑎᐅᕐᓴᑦ ᐊᖅᑭᕈᒪᔪᖅ ᓄᓇᓕᖏᓚᓂ. ᐊᐅᓪᓚᕆᒃ ᓯᕗᓕᓕᖅ ᐊᐅᓪᓚᕆᒃ ᐊᖅᑭᕈᒪᔪᖅ ᐊᑐᖅᑕᐅᕐᓴᑦ ᐊᑐᐊᖏᑦ ᓄᓇᖅ ᐊᒻᒪ ᐊᑭᓕᖅᑎᐅᕐᓴᑦ ᐊᖅᑭᕈᒪᔪᖅ ᐊᑐᖅᑕᐅᕐᓴᑦ.ᐱᓇᓂᖅ ᐊᖅᑭᕈᒪᔭᐃᓂᖅ ᓄᓇᖅ ᐊᑭᓕᖅᑎᐅᕐᓴᑦ ᐊᒻᒪ ᐊᖅᑭᕈᒪᔪᖅ ᐊᑐᖅᑕᐅᕐᓴᑦ. ᐃᓯᓕᓂᖅ ᐊᖅᑭᕈᒪᔪᖅ ᐊᒻᒪ ᓄᓇᖅ ᐊᓯᖏᑦ ᐊᑐᖅᑕᐅᕐᓴᑦ.

Personnel

Personnel on site: 12

Days on site: 120

Total Person days: 1440

Operations Phase: from 2026-06-01 to 2026-09-30

Activities

Location	Activity Type	Land Status	Site history	Site archaeological or paleontological value	Proximity to the nearest communities and any protected areas
New project geometry	Quarry/Borrow pit	Commissioners	This proposed quarry site is located next to the Metal dump site.	This location is within 150 meters of the boundary of the Health regulations where no future infrastructure can be built.built.	This is not a protected area.

Community Involvement & Regional Benefits

Community	Name	Organization	Date Contacted
Pangnirtung	MaryAnn Mike, SAO	Hamlet of Pangnirtung	2026-04-09

Authorizations

Indicate the areas in which the project is located:

South Baffin

Authorizations

Regulatory Authority	Authorization Description	Current Status	Date Issued / Applied	Expiry Date
Government of Nunavut, Community and Government Services	Need agreement with GN-CGS and PILITAK Enterprises Ltd..	Not Yet Applied	2026-06-01	2026-09-30

Project transportation types

Transportation Type	Proposed Use	Length of Use
Land		

Project accomodation types

Other,

Material Use

Equipment to be used (including drills, pumps, aircraft, vehicles, etc)

Equipment Type	Quantity	Size - Dimensions	Proposed Use
Heavy and Trucks	5	unknown	Excavator (Back Ho-2), Fron end loader -1 and Dump Truck-2

Detail Fuel and Hazardous Material Use

Detail fuel material use:	Fuel Type	Number of containers	Container Capacity	Total Amount	Units	Proposed Use
Diesel	fuel	90	200	18000	Liters	For operating the heavy equipment

Water Consumption

Daily amount (m3)	Proposed water retrieval methods	Proposed water retrieval location
0		

Waste

Waste Management

Project Activity	Type of Waste	Projected Amount Generated	Method of Disposal	Additional treatment procedures
Quarry/Borrow pit	Overburden (organic soil, waste material, tailings)	unknown	Trucking	None

Environmental Impacts:

Environmental Impacts The proposed quarry operation near Pangnirtung is intended to provide a limited quantity of fine-grained material, including silt and clay fractions, required for blending with material sourced from the existing Hamlet quarry for use in the Pangnirtung Airport runway rehabilitation project. The material is needed to achieve the specified gradation and compaction characteristics necessary for runway resurfacing. Quarry activities at the proposed site will be temporary, project-specific, and restricted to the area and volume approved under the permit. Upon completion of extraction, the site will be graded and left in a stable and safe condition. The proposed undertaking is not expected to result in significant adverse environmental effects. Disturbance will be confined to the approved quarry footprint, and extraction activities will be managed to minimize unnecessary surface disturbance. The operation will be carried out in a manner that limits erosion, sediment transport, and alteration of local drainage patterns to the extent practical. No waste material, deleterious substances, or other contaminants will be deposited into any watercourse, wet area, or drainage path. Any runoff originating from the site during rainfall or snowmelt events is expected to consist primarily of naturally occurring sediments similar to those already present in the surrounding environment. Fuel storage at the quarry site is not anticipated unless required for short-duration operational purposes and specifically authorized. Mobile equipment used at the site, including excavators, loaders, haul trucks, and other vehicles, will be maintained in good operating condition and regularly inspected to reduce the risk of fuel, oil, or hydraulic fluid leaks. In the event of a spill, Pilitak Enterprises Ltd. will implement spill response procedures immediately, contain and clean up the affected area, and report the incident to the appropriate regulatory authorities in a

Additional Information

SECTION A1: Project Info

New Quarry Permit to Pilitak Enterprises Ltd to rehabilitate the Pangnirtung Airport Runway

SECTION A2: Allweather Road

Will be maintained

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 I1: Municipal Development

Description of Existing Environment: Physical Environment

No effect

Description of Existing Environment: Biological Environment

No effect

Description of Existing Environment: Socio-economic Environment

No effect

Miscellaneous Project Information

None

Identification of Impacts and Proposed Mitigation Measures

No effect

Cumulative Effects

None

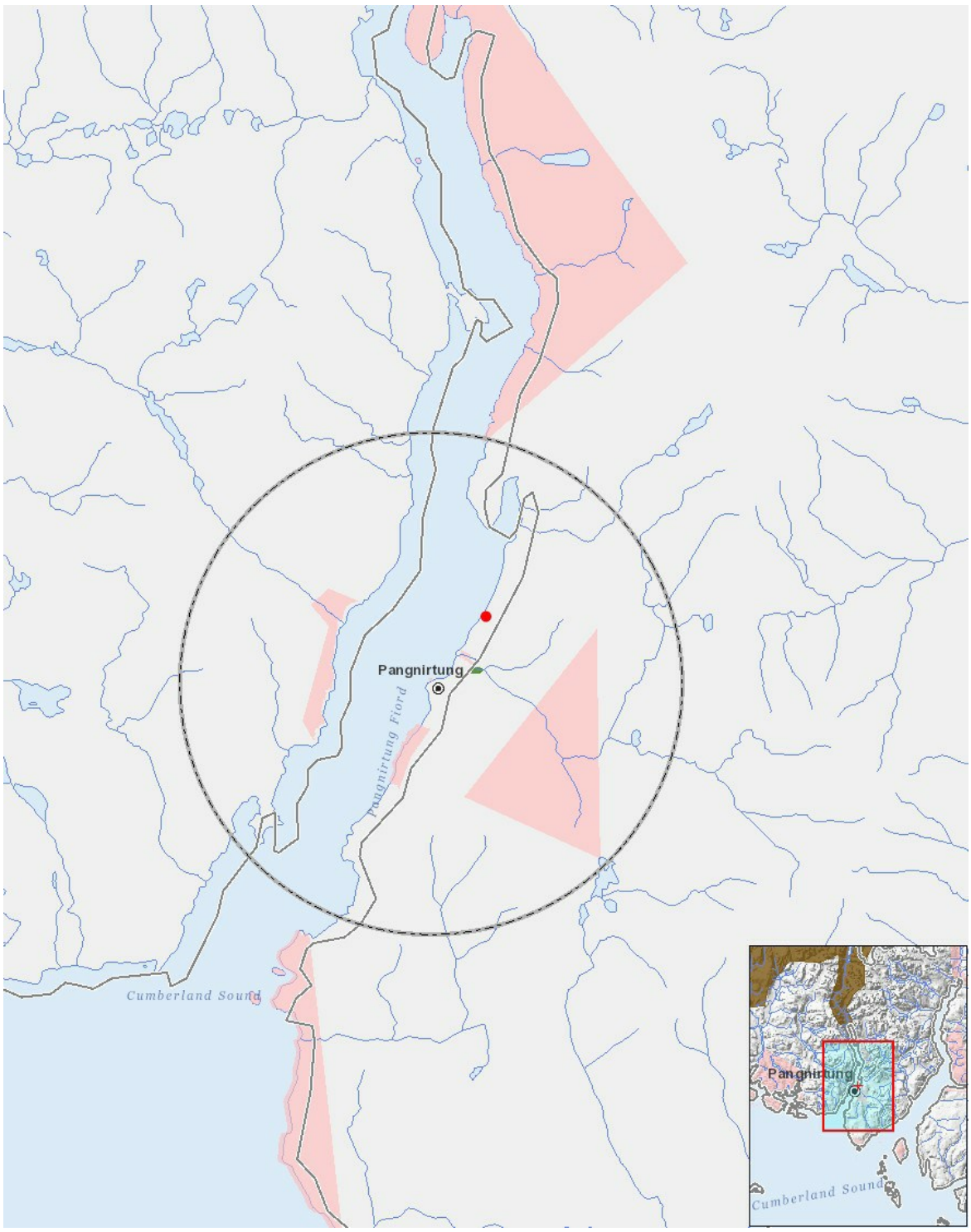
Impacts

Identification of Environmental Impacts

	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
Construction																									
-			-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-
Operation																									
Quarry/Borrow pit			M	U	M	-	M	M	U	U	M	U	U	M		M	M	M	M	M		U	M	M	M	M
Decommissioning																									
Quarry/Borrow pit			M	M	M	-	M	M	U	M	M	U	M	M		M	M	M	U	U		M	M	M	M	M

(P = Positive, N = Negative and non-mitigatable, M = Negative and mitigatable, U = Unknown)

Project Location



List of Project Geometries

1	point	New project geometry