

Executive Summary
New Quarry Permit Application – Pilitak Enterprises Ltd.
Hamlet of Pangnirtung, Nunavut

The 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; and
3. 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.