

# GREAT WHITE KAOLIN PROJECT MINING METHOD

*During mine construction and operation there will be no injuries, loss of life or damage to third party infrastructure that could have reasonably been prevented.*



*Kaolin mine pit with loader.*

Kaolin will be mined using conventional open cut techniques (excavators and trucks), to an average depth of approximately 40 metres, with shallow angled walls.

Refining of the kaolin ore uses a physical washing method in which no harmful chemicals are used. A by-product of the process is washed sand. This sand can be used in commercial applications or returned to the mined area as part of the backfill and rehabilitation. There are no tailings or tailings storage facilities in the Proposed Development.

Overlying layers of silcrete and calcrete may require limited drilling and blasting, on an as needs basis.



*Overlying calcrete layer.*

*An Ore Reserve of 12.5 million tonnes of high brightness kaolin has been calculated, indicating a 26-year life-of-mine (LOM).*

Two stages of operation are proposed:

**Stage One** – kaolin will be shipped offsite as Direct Shipping Ore (DSO) for processing overseas by customers.

**Stage Two** – kaolin will be fed into a wet-processing plant. The plant will separate the two main components of kaolin: kaolinite and granitic sand.

Washed sand will be returned to the mined area or stockpiled for sale. The stockpiled kaolinite concentrate will be dried and bagged for trucking to port.

## Mining sequence

