

Project description

The project involves reviewing the CAPEX engaged by SMCO to construct a Tailings Storage Facility (TSF) in the Shituru copper mine located in Katanga, DRC.

This evaluation is part of the mission entrusted to Arethuse Geology by Gécamines for a technical audit of the mine and plant.

Embankment typical cross-section

- Crest width : 11m
- Embankment type : Rockfill with upstream lining system
- Embankment height : 27 m
- Embankment slope : 3H : 1V (upstream and downstream)
- Lining system : HDPE geomembrane liner underlain by GCL

Scope of work

- TSF geometry reproduction
- Main cubatures establishment
- CAPEX review
- Comments of Nerin's justifications

Onshore Tailings Storage Facility

TSF CAPEX evaluation

ARETHUSE GEOLOGY

Shituru Copper Mine, DRC

2020



