



CAROSUE DAM PLANT EXPANSION PROJECT

SCOPE OF WORK

GR Engineering was appointed by Saracen Gold Mines Pty Ltd to provide services associated with upgrading the existing processing plant at Carosue Dam.

The scope of works performed by GR Engineering for the Project was to expand the current 2.4 Mtpa processing facility to achieve 3.2 Mtpa at a product size (P_{80}) of 140 μm from a 35% Oxide and 65% underground feed blend.

The scope of work further involved the design, supply, fabrication, installation, commissioning and handover of all works necessary to provide the process plant expansion.

Works included:

- Earthworks;
- Civil works;
- Structural steel and plate work supply and erection;
- Piping supply and installation;
- Electrical and control system supply and installation;
- Commissioning.

The processing plant upgrade included:

- New secondary grinding mill (4 MW);
- Classification circuit (new);
- Gravity gold recovery (new);
- Elution gold recovery (existing with additional elution column);
- Tailings;
- Water and air services.

Commodity: Gold

Region: Australia

Location: 120 km north-east of Kalgoorlie

Project Type: EPC design and construct

Client: Saracen Gold Mines Pty Ltd

Award Date: October 2019

Completion Date: September 2020

Project Manager: Peter Parsons

Process Manager: Bill Gosling