



# PROMINENT HILL PASTE BACKFILL PROJECT

## SCOPE OF WORK

GR Engineering was awarded a design and construct contract by OZ Minerals to supply a continuous production paste backfill plant for the Prominent Hill copper-gold mine.

The paste plant is designed to cyclone a proportion of the copper-gold plant tailings to provide a suitable paste plant feed and then filter and repulp the tailings in a controlled fashion with cement. The plant has a design throughput rate of 146 dry tph of tailings at a paste feed of 77% solids to produce 90 m<sup>3</sup>/h of paste.

GR Engineering used in house design systems to model and design the paste plant enabling a high level of review from all discipline and process engineers to ensure design errors, omissions and clashes were eliminated to the maximum extent prior to fabrication and installation.

Structural, mechanical, piping and electrical installations were completed and managed on site by directly hired GR Engineering personnel. Earthworks and civil installations were subcontracted to third parties and managed by GR Engineering supervisors.

**Commodity:** Paste Backfill

**Region:** Australia

**Location:** 650 km north west of Adelaide and approximately 130 km south east of Coober Pedy in South Australia

**Project Type:** Brownfields, EPC lump sum

**Client:** OZ Minerals (ASX: OZL)

**Award Date:** May 2011

**Completion Date:** December 2011

**Project Manager:** Dan Gregory

**Process Manager:** Bill Gosling