

Kangaroo Creek Dam Safety Upgrade

Major Dam Safety Works

Client	SA Water
Location	Paracombe, SA
Contract Value	\$78,513,994
Completion Date	September 2018

Project Description

- Major safety upgrade to the existing concrete lined rock fill dam to meet ANCOLD requirements
- Excavation of 300,000m³ of rock to widen the spillway by up to 40m
- Extension of the outlet tunnel and pipe work by approximately 50m
- Buttrussing of the existing rock fill embankment (200,000m³)
- Raising of the embankment crest including extension of the concrete face slab using slip form techniques
- Significant concrete works (32,000m³) to line the spillway including temperature sensitive mass pours and ogee crest construction
- Construction of post tensioned anchors to the existing ogee crest
- Electrical, SCADA and security works



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