



Creating enduring value

SGME VALUES

Honest



Trust



Innovation



Safety



PROJECT CASE STUDY: Closure Appraisal Report Including Gap Analysis and Detailed Closure Plan Having Regard for the Progressive Rehabilitation and Closure Plan Framework

SGM Environmental Pty Limited (SGME) did a closure plan appraisal report (CPAR) to formalise proposed closure and rehabilitation activities. The preparation of a detailed mine closure plan (closure plan) provides information and actions needed to achieve relinquishment of the mining leases.

Site description: Located in the Bowen Basin, the mine produced hard and semi hard coking and thermal coal having commenced production in 1996, and ceasing operation in 2016.

The problem: Mine closure planning is a critical component of environmental management in the mining industry.

What SGME did: The client requested a risk-based approach for the CPAR as this approach reduces uncertainty associated with closure and rehabilitation. The CPAR identified a number of knowledge gaps and actions.

The development of the closure plan required the involvement of the mines stakeholders and addressed the draft progressive rehabilitation and closure plan (PRCP) guideline. The closure plan included outcomes of the CPAR, stakeholder identification and engagement framework, closure objectives / goals and a closure risk and opportunities register. Alternative post-mining land uses, rehabilitation criteria, recommended actions and priorities and a timeline for closure and lease relinquishment were also developed.

