



SGM Environmental

Creating enduring value

## SGME VALUES



## PROJECT CASE STUDY: Conceptual Mine Closure Plan for an Open-cut Coal Mine

**SGM Environmental Pty Limited (SGME) did a conceptual mine closure plan (the plan) to describe the systems, processes and procedures for decommissioning and rehabilitation.**

**Site description:** The emerging coal miner leads shareholder value by responsibly and sustainably acquiring, building and operating coal assets. The company operates one coal mine in Queensland and has plans for expansion by developing two green-field sites.

**The problem:** Mineral waste associated with open-cut coal mining can result in cost and environmental hazards at closure. Poorly closed mines have difficult legacy issues for mine operators, governments and communities.

**What SGME did:** The plan described the systems, processes and procedures used to decommission and rehabilitate mined land (the closure strategy) for the benefit of stakeholders and to minimise environmental risks to the rehabilitated land and the receiving environment. The plan was prepared to formalise the proposed closure activities and used a risk-based approach with the objective of reducing costs and uncertainty at closure. The risk assessment established the most effective strategies to close the various domains to create a safe, stable, sustainable and non-polluting post mining land use.

The company's commitment to best practice closure and rehabilitation aligns with our vision: *Working with the mining sector to create new land resources from mine remnants to bring future value to mine site operations.*

