



SGM Environmental

Creating enduring value

## SGME VALUES



## Environmental management, planning & approvals

Environmental management is critical to minimising the environmental impacts of developments, as required by relevant state planning and environmental laws. SGME helps our clients monitor, prioritise and improve their environmental management efforts, including measuring effectiveness and contingency planning for unpredicted impacts.

Organisations face increasingly complex compliance requirements, from new legislation, guidelines and peak governing bodies. Environmental management has shifted to focusing on environmentally sound and sustainable development. We help our clients understand and comply with the relevant environmental laws, regulations and obligations in which they operate.

## KEY CONSIDERATIONS IN ENVIRONMENTAL MANAGEMENT & APPROVALS

1. Undertake a risk assessment and gaps analysis
2. Develop and implement a strategy to reduce risks and close gaps
3. Develop schedules and impact mitigation plans including trigger action response planning
4. Expedite compliance in the instance that non-compliances are identified
5. Undertake regulatory negotiations throughout the project to help resolve technical and external stakeholder issues

## OUR APPROACH

**SGME provides services to help our clients conform to their environmental compliance obligations and to operate efficiently. We have proven expertise and experience in working with private and public organisations in mining. SGME can assess and identify compliance requirements and provide assurance relating to relevant environmental laws, regulations and obligations.**

### Past projects

- 1 Burton Mine, implementation (for early adoption) of the progressive rehabilitation and closure guidelines, Qld (Peabody)
- 2 New Acland Coal Mine, progressive rehabilitation certification of 349 hectares of mined land, Qld (New Hope Group)
- 3 Lady Annie Mine, receiving environment monitoring program monitoring and reporting, Qld (Austral Resources)
- 4 Lady Annie Mine, water licensing monitoring including an associated water take report, Qld (Austral Resources)
- 5 Lady Annie Mine, groundwater, surface water, sediment and potable and effluent water monitoring and reporting for environmental compliance, Qld (Austral Resources)
- 6 Lady Annie Mine, National Pollution Inventory reporting, Qld (Austral Resources)
- 7 Blair Athol Mine, operational plans including closure management plan, waste rock management and disposal plan and erosion and sediment control plan, Qld (Orion Mining)
- 8 Frances Creek Mine, waste rock management plan to meet the requirements of government regulators, NT (TRL Frances Creek Pty Ltd)
- 9 Endeavor Mine, prefeasibility study for an above ground waste rock dump including a statement of environmental effect and mine operation plan amendment, NSW (Endeavor Operations Pty Ltd)
- 10 CSA Mine, prefeasibility study for an above ground waste rock emplacement area including rehabilitation planning, NSW (Cobar Management Pty Ltd)
- 11 Anthill Project, water licencing, update to management plans and environmental approval amendment, Qld (Austral Resources)
- 12 Blair Athol Mine, water dam material change of use and tailings storage facility review, Qld (Orion Mining)
- 13 Cow Flats Legacy Mine, review of environmental factors, NSW (Legacy Mines Program)
- 14 White Dam Mine, minor modification to allow extraction of recoverable copper from the processing circuit, SA (Round Oak Minerals)

### Working with SGME

We are highly experienced and leaders in the fields of soil science, geochemistry and mine closure. At SGME we support you to achieve your objectives in ways that contribute to a sustainable outcome:

- Our director and technical leaders are 'on the tools'. We will not waiver from this commitment as it is critical to your successes
- We have a practical, solution focussed work ethic
- We are cost-effective, without the overheads of larger competitors
- A high level of responsiveness, enabling us to mobilise at short notice



#### Dr Timothy Rohde

Timothy is a certified professional soil scientist (CPSS), a practicing engineer in Queensland (RPEQ) and a mine closure specialist (MAusIMM(CP)). He has been a consultant for 18 years and has worked extensively throughout

Australia in coal and metalliferous mining and has published over 25 papers on soil science, geochemistry and mine closure. He has gained a reputation by not backing away from difficult projects (positivity), delivering on his promises (trust), looking for new ways to help (innovation) and sharing mutual responsibility for preventing harm and promoting well-being (safety).

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