

RESPECTING OUR ENVIRONMENT



We recognise that excellence in managing environmental responsibilities is essential to long-term success. Minimising the impact of activities on the environment is a key objective for the business. We aim to minimise our environmental footprint and equip our people to ensure the effective management of environmental issues.

KEY ISSUE 1:

Environmental management and compliance – Minimising environmental impact, ensuring compliance with legislation and reducing our legacies through continuous improvement.

KEY ISSUE 2:

Biodiversity – Identifying, monitoring and preserving species, protected areas and areas of high biodiversity value, alongside offset programs.

2010 PERFORMANCE AND HIGHLIGHTS

2010	TOTAL MMG
REPORTABLE ENVIRONMENTAL INCIDENTS	32
NUMBER OF REPORTABLE ENVIRONMENTAL INCIDENTS WHICH WERE NON-COMPLIANCES WITH SITE LICENCE CONDITIONS	14
PROSECUTIONS	0
FINES	0

2011 TARGETS AND INITIATIVES

- Develop a sustainable Environmental Management System at a corporate level based on the principles of ISO 14001;
- Maintain or receive ISO 14001 certification for all operators;
- Achieve zero non-compliances with license requirements.

2010 PERFORMANCE AND HIGHLIGHTS

- Sepon mine has continued its work to conserve the Siamese crocodile, the Namkok Headwaters survey to identify International Union for Conservation of Nature (IUCN) listed endangered species and its partnership with the Wildlife Conservation Society (WCS) to implement a plan for biodiversity conservation around the mine.
- Rosebery mine has used excavators and graders to construct a new access road and amenities area for a concept study of the potential South Hercules mine. Work involved the first known attempt at translocation of the threatened Grooved Cheeseberry species.
- Golden Grove created a site action plan incorporating improvements to diesel particulate monitoring procedures, awareness sessions to reinforce the importance of ventilation and equipment operation and the installation of engineering controls to minimise diesel particulates in the underground environment.

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KEY ISSUE 2 (CONTINUED)



Supervising the translocation of the Grooved Cheeseberry (*Planocarpa sulcata*)

2011 TARGETS AND INITIATIVES

- Investigate options for managing biodiversity offsets to enable a future state where we can aim to achieve a net positive gain;
- Investigate the Sepon landscape level planning project as a potential opportunity for no net loss or net gain for the Thengkhamb project;
- Develop Biodiversity Management Plans for all MMG mining operations during the next three years.

KEY ISSUE 3:

Greenhouse gas and energy use – Efficient use of energy in our operations, offices and transportation thus minimising greenhouse gas emissions.

2010 PERFORMANCE AND HIGHLIGHTS

In November 2010 MMG adopted a Climate Change Policy mandating that a study be undertaken to look at energy efficiency opportunities, prepare the organisation for a carbon price and understand the potential business value in setting a voluntary emissions reduction target.

2011 TARGETS AND INITIATIVES

- Prepare Energy Management Plans for all Australian mining operations;
- Submit EEO and NGRS reports on schedule;
- Undertake an energy assessment at Rosebery mine before the end of 2011;
- Commence a Climate Change Study during 2011.

KEY ISSUE 4:

Water – Efficient use of water and responsible management, treatment and disposal of waste water, including tailings and acid rock drainage (ARD).

2010 PERFORMANCE AND HIGHLIGHTS

WATER USE

2010	CENTURY	GOLDEN GROVE	ROSEBERY	SEPON	EXPLORATION	TOTAL MMG
WATER USE (ML)*	7,383	2,470	24,066	3,321	6	37,246
WATER RECYCLED (ML)	-	-	-	3,100	-	3,100
WATER REUSED (ML)	36,819	2,324	-	-	-	39,143

*includes the sum of all water drawn into MMG's sites from all sources (including surface water, groundwater, rainwater and municipal water supplies).

WATER DISCHARGES

15,437.37

MMG TOTAL WATER DISCHARGE VOLUME (ML)

2011 TARGETS AND INITIATIVES

All MMG operations to:

- Have a functional Water Balance Model to understand storage, usage and treatment requirements;
- Install functional water meters that enable accurate data collection of water usage, reuse and discharges and develop a robust Water Management Strategy and detailed Water Management Plan.

KEY ISSUE 5:

Closure – Landform design and rehabilitation alongside community partnerships, for environmentally, economically and socially sustainable land-use and local community activities post operations.

2010 PERFORMANCE AND HIGHLIGHTS

- Annual review of closure provisions, which included a desktop review of closure risks and their associated costs using a predictive model.
- Development commenced on a Closure Planning Guideline to support the existing Closure Standard.

2011 TARGETS AND INITIATIVES

Develop guidance material for integrated closure planning across MMG operations, including a review tool to formally quantify closure risks and assess the quality of closure plans.

