

TOWARDS SUSTAINABLE MINING



What is Towards Sustainable Mining™?

Towards Sustainable Mining (TSM) will further enhance site-level performance in the Australian mining industry through consistent measurement and reporting, including on partnerships with First Nations communities. This partnership between the MCA and the Mining Association of Canada (MAC) will help member companies improve performance and build trust through better measurement and accountability. Its adaptation to the Australian context builds on the mining industry's proud track record of better sustainability performance through transparency.



MINING IS ESSENTIAL

Mining provides the resources for modern life, technology and business. Everything we depend on is made from minerals or uses minerals for its production such as whitegoods, housing, cars, health care and mobile phones.



THE FUTURE NEEDS MINING

Minerals provide the foundations for the innovations of tomorrow. Advanced manufacturing, information technology and the global transition to a low carbon economy depend on the materials supplied by mining.



RESPONSIBLE MANAGEMENT

Robust, clear standards and reporting across the mine life cycle should be in place to show communities that mining companies are committed to responsible environmental management and transparency.



MEETING LOCAL EXPECTATIONS

Australian communities expect minerals companies to operate in line with local expectations and industry works with communities to ensure expectations are met. Transparent and accountable performance builds trust.

HOW DOES TSM WORK?

TSM's tools and indicators help drive performance and ensure key risks are managed responsibly at participating mining and minerals processing sites.

TSM's eight performance protocols focus on three core areas to link commitments and site-level performance: communities and people, environmental stewardship, and climate change. Each protocol is made up of a set of indicators that help operations build, measure and publicly report on the quality of their management systems and performance in key areas.

One of the key strengths of TSM is that minerals companies are measuring performance at site level, where mining and processing activity takes place. The results provide local communities with clear, measurable and verified data on the performance of local minerals operations.

PERFORMANCE PROTOCOLS



Communities and people

- ▶ Indigenous and community relationships
- ▶ Crisis management and communications planning
- ▶ Safety and health
- ▶ Preventing child and forced labour



Environmental stewardship

- ▶ Tailings management
- ▶ Biodiversity conservation management
- ▶ Water stewardship



Climate change

- ▶ Site-level targets and management

TOWARDS SUSTAINABLE MINING™ IS:



TRANSPARENT

Minerals operations publicly report their performance against the TSM indicators on an annual basis and results are externally verified every three years.



ACCOUNTABLE

Assessments are conducted at site level where mining and minerals processing activity takes place.



CREDIBLE

TSM is overseen by an independent Community of Interest Advisory Panel of key industry stakeholders to support the program's credibility, future growth and refinement.



MEASURABLE

TSM includes requirements to measure, demonstrate and communicate continual improvement.

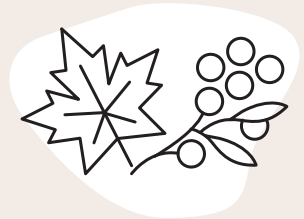


HOW WILL TSM REPORTING AND COMPLIANCE WORK?

Minerals operations publicly report their performance against the TSM indicators every year and results are externally verified every three years.

TSM implementation in Australia will include ongoing consultation with a national Community of Interest Advisory Panel, an independent group including Indigenous and community stakeholders, non-government organisations, workforce and financial organisations.

The Panel plays an important role as part of external verification of TSM reporting. It will meet regularly with senior Australian minerals company representatives to provide support and advice, identify emerging issues for the sector and encourage the mining industry in continual improvement.



MINING ASSOCIATION OF CANADA AND MINERALS COUNCIL OF AUSTRALIA IN PARTNERSHIP

GLOBAL PARTNERSHIP IN SUSTAINABILITY

The Mining Association of Canada and the MCA are committed to continual improvement in sustainability performance of the minerals industry, including sharing knowledge, expertise and systems abroad.

As part of this commitment, MAC and the MCA are working in partnership to support greater accountability in the environmental, social and governance performance of the Australian minerals industry.

The MCA has adopted the TSM system to deliver, demonstrate and enhance the Australian minerals industry's sustainability and environmental, social and governance (ESG) performance at site level.

TSM builds on existing commitments to *Enduring Value – the Australian minerals industry's framework for sustainable development* by providing a consistent and transparent approach for the assessment and communication of site-level performance.

The industry has a proud track record of improving its sustainability performance through the Climate Action Plan, Water Accounting Framework, tax transparency, adoption of the UN Sustainable Development Goals and Indigenous partnerships.

