

Principal Hazard Management Plan

SAMPLE

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Purpose and Scope

This Principal Hazard Management Plan (PHMP) sets out the systematic approach used by [Company Name] to identify, assess and control principal mining hazards, and to monitor and review the effectiveness of those controls. It is designed to meet the requirements of applicable Work Health and Safety (WHS) and mining-specific legislation in Australian jurisdictions and to provide clear guidance to workers, contractors and other duty holders.

This PHMP applies to all mining and resources operations undertaken by [Company Name], including:

- Surface mines (open cut/open pit operations)
- Underground mines (coal and metalliferous)
- Quarries and extractive operations
- Processing plants and associated fixed and mobile plant
- Ancillary activities such as exploration, construction, maintenance and decommissioning

The plan covers the lifecycle of operations from project planning and design, through construction, operation, care and maintenance, and closure. It applies to all persons at the workplace including workers, contractors, labour hire, visitors and other persons who may be affected by mining activities.

Definitions

Key Terms

For the purpose of this PHMP, the following definitions apply:

- **Principal hazard:** A hazard that has the potential to result in multiple fatalities or serious harm to a number of persons, or to cause a catastrophic event such as fire, explosion, inundation, ground failure or major structural collapse.
- **Hazard:** A situation or thing that has the potential to harm a person, property or the environment.
- **Risk:** The possibility that harm (death, injury or illness) might occur when exposed to a hazard, measured in terms of likelihood and consequence.
- **Reasonably practicable:** That which is, or was at a particular time, reasonably able to be done to ensure health and safety, taking into account and weighing up all relevant matters including likelihood, degree of harm, knowledge, ways of eliminating or minimising risk, and cost.
- **Control measure:** An action, engineering solution, system of work, item of plant, or other measure that eliminates or minimises risk.
- **Critical control:** A control measure that is essential to prevent a principal hazard event or to significantly reduce its consequences.

Acronyms

- WHS – Work Health and Safety
- PCBU – Person Conducting a Business or Undertaking
- PHMP – Principal Hazard Management Plan
- JSA – Job Safety Analysis
- JHA – Job Hazard Analysis
- SWMS – Safe Work Method Statement
- SOP – Standard Operating Procedure
- PPE – Personal Protective Equipment

Legislative and Standards Framework

[Company Name] will implement and maintain this PHMP in alignment with relevant Australian legislation, regulations, codes of practice and standards, including (as applicable to the jurisdiction and company):

- Work Health and Safety Act and Regulations (jurisdiction-specific)
- Mining and Quarrying Safety and Health or equivalent Mining Safety legislation
- Explosives and Dangerous Goods legislation
- Electrical Safety legislation
- Relevant Codes of Practice (e.g. Ground or Strata Control, Inundation and Inrush, Road and Other Vehicle Operating Areas, Managing the Risk of Falls, Confined Spaces, Hazardous Chemicals, Dusts and Respirable Crystalline Silica)
- AS/NZS and ISO standards relevant to mining safety, risk management and safety management systems

This PHMP is to be read in conjunction with supporting management plans, including but not limited to:

- Ground or Strata Control Management Plan
- Inundation and Inrush Management Plan
- Fire and Explosion Management Plan
- Traffic and Mobile Plant Management Plan
- Emergency Management Plan
- Health and Hygiene Management Plans (e.g. dust, noise, heat)