



Australian Government

RIIMCU502E Implement the gas management plan

Release: 1

RIIMCU502E Implement the gas management plan

Modification History

Release	Comments
Release 1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.

Application

This unit describes the skills and knowledge required to implement gas management plans in coal mining, including implementing and reviewing gas monitoring and ventilation/gas control measures.

This unit is appropriate for those working in supervisory roles or technical specialist roles. They generally monitor a broad range of operational activities in their area of responsibility and are responsible for monitoring a safe work environment.

Licensing, legislative and certification requirements that apply to this unit can vary between states, territories and industry sectors. Users must check requirements with relevant body before applying the unit.

Unit Sector

Coal mining (underground)

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Plan and prepare to implement gas management plan	1.1 Access, interpret and implement gas management plan documentation and confirm work activity is compliant 1.2 Access, interpret and clarify legislative and site requirements relating to gas management 1.3 Identify and communicate roles and responsibilities to all involved persons according to gas management plan 1.4 Identify, forecast, obtain and allocate/schedule resources required to implement gas management plan 1.5 Identify training needs for personnel involved according to gas management plan and within scope of own role

ELEMENT	PERFORMANCE CRITERIA
	1.6 Review gas management procedures and implement identified changes according to site requirements
2. Implement mine gas monitoring measures	2.1 Identify, measure and interpret impact of changes in composition, concentration of gas and gas make, and associated hazards on mine atmosphere 2.2 Implement procedures for installation, operation and maintenance of gas monitoring systems according to gas management plan 2.3 Implement systems and procedures for collection and analysis of gas samples according to gas management plan 2.4 Record and report monitoring system data according to gas management plan 2.5 Investigate changes in mine atmosphere status and implement corrective action according to gas management plan and site requirements 2.6 Record and process reports according to gas management plant and site requirements
3. Implement ventilation/gas control measures	3.1 Monitor mine environment and action according to gas management plan 3.2 Implement gas hazard control procedures associated with gas drainage and outburst mining conditions according to gas management plan 3.3 Identify situations where trigger levels are reached and implement response procedures according to gas management plan 3.4 Implement ventilation and gas monitoring systems and surveys for systems status assessment according to gas management plan 3.5 Implement procedures addressing relocation, operation and maintenance of drilling rigs and gas drainage infrastructure according to gas management plan and site requirements 3.6 Implement gas emergency and evacuation procedures according to mine safety management system and site requirements
4. Audit gas management plan	4.1 Review effectiveness of gas management plan implementation according to gas management plan 4.2 Audit mine gas monitoring systems operations according to legislative requirements and gas management plan 4.3 Audit mine gas control devices according to legislative and site requirements 4.4 Audit recording systems according to gas management plan 4.5 Audit the maintenance program and procedures according to gas management plan 4.6 Audit gas emergency and evacuation procedures according to mine safety management system

ELEMENT	PERFORMANCE CRITERIA
	4.7 Audit gas management training plan according to gas management plan

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

SKILL	DESCRIPTION
Numeracy	Calculates resourcing requirements, performs mathematical calculations and applies mathematical and scientific laws and theorem
Oral communication	Conveys information and requirements clearly and listens actively
Reading	Identifies and interprets relevant information from workplace procedures, documentation and legislation
Writing	Prepares specific information that complies with requirements, using sector-specific vocabulary, grammatical structures and conventions

Unit Mapping Information

Supersedes and is equivalent to RIIMCU502D Implement the gas management plan.

Links

Companion Volume Implementation Guide is found on VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>