



Australian Government

RIIMCU501E Implement the spontaneous combustion management plan

Release: 1

RIIMCU501E Implement the spontaneous combustion 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 spontaneous combustion management plans in coal mining, including implementing and reviewing mine atmosphere and monitoring measures and spontaneous combustion control measures.

This unit is appropriate for those working in supervisory 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. Identify and apply resources to spontaneous combustion management plan	1.1 Access, interpret and implement spontaneous combustion management plan documentation and confirm work activity is compliant 1.2 Identify and address potential risks, hazards and environmental issues and implement control measures according to site requirements 1.3 Identify situations where trigger levels are reached and implement response procedures according to spontaneous combustion management plan

ELEMENT	PERFORMANCE CRITERIA
	1.4 Review spontaneous combustion procedures and implement identified improvements according to site requirements 1.5 Implement identified spontaneous combustion management plan training requirements
2. Implement mine atmosphere monitoring measures	2.1 Implement procedures for installation, operation and maintenance of monitoring systems according to spontaneous combustion management plan 2.2 Implement systems and procedures for collecting mine gas samples according to spontaneous combustion management plan
3. Monitor and respond to spontaneous combustion indicators	3.1 Implement system for identification and inspection of spontaneous combustion indicators according to spontaneous combustion management plan 3.2 Monitor sensory spontaneous combustion indicators, analyse and investigate variations and implement corrective action according to spontaneous combustion management plan and site requirements 3.3 Monitor gaseous spontaneous combustion indicators, analyse and investigate variations and implement corrective action according to spontaneous combustion management plan and site requirements 3.4 Process records and reports according to spontaneous combustion management plan and site requirements 3.5 Implement emergency and evacuation procedures according to safety management system and site requirements
4. Implement and audit spontaneous combustion control measures	4.1 Implement ventilation control measures according to spontaneous combustion management plan 4.2 Implement ventilation monitoring systems and surveys for system status assessment according to combustion management plan 4.3 Implement inertisation as required and according to spontaneous combustion management plan 4.4 Implement response actions and review according to site requirements 4.5 Implement systems to prevent and/or respond immediately to intersections of work groups according to site requirements 4.6 Audit control measures according to spontaneous combustion management plan and amend procedures/measures as required

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
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 RIIMCU501D Implement the spontaneous combustion management plan.

Links

Companion Volume Implementation Guide is found on VETNet -

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