



Australian Government

RIIMCU217 Apply spontaneous combustion management measures

Release: 1

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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 apply spontaneous combustion management measures in coal mining. It includes applying mine atmosphere monitoring systems and control measures to eliminate or minimise spontaneous combustion risks.

It applies to those working in operational roles. They generally work under supervision to undertake a prescribed range of functions involving known routines and procedures and take some responsibility for the quality of work outcomes.

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

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 apply spontaneous combustion management measures	1.1 Obtain, interpret, clarify and confirm work requirements 1.2 Access, interpret and apply documentation required to apply spontaneous combustion management measures 1.3 Identify and address potential risks, hazards and environmental issues and implement control measures according to site requirements 1.4 Select and wear personal protective equipment according to site requirements 1.5 Access, interpret and apply mine environmental, geological and

ELEMENT	PERFORMANCE CRITERIA
	survey data required to complete allocated work 1.6 Obtain and interpret emergency procedures and identify steps required to respond to emergencies
2. Identify and recognise hazards	2.1 Identify the fundamentals of spontaneous combustion 2.2 Identify hazards related to mine gases and variations in barometric pressure 2.3 Identify the effects of mine ventilation structures and the potential to bring about spontaneous combustion 2.4 Identify and clarify physical spontaneous combustion indicators relevant to the work area 2.5 Identify and clarify gaseous spontaneous combustion indicators relevant to the work area. 2.6 Identify the range of causes of spontaneous combustion hazards related to underground coal stowage and conveyor systems
3. Identify and clarify operational requirements and control measures	3.1 Identify methods and purposes of the mine atmosphere monitoring systems 3.2 Identify the methods and purposes of control measures for the elimination or minimisation of spontaneous combustion risks
4. Implement and contribute to spontaneous combustion management measures	4.1 Monitor and report on the spontaneous combustion status of the local work area within scope of own role 4.2 Carry out inspections and monitoring and minimise associated coal stowage hazards according to site requirements and within scope of own role 4.3 Maintain housekeeping requirements and minimise associated coal stowage hazards according to site requirements 4.4 Report spontaneous combustion management situations requiring further action according to site requirements 4.5 Identify and report errors or omissions in spontaneous combustion procedures within scope of own role

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
Reading	Identifies and interprets information from workplace documentation
Self-management	Monitors and minimises own exposure to worksite risks and hazards during activities

Unit Mapping Information

Supersedes and is equivalent to RIIMCU402D Apply spontaneous combustion management measures.

Links

Companion Volume implementation guides is found on VETNet -

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