



Australian Government

RIIMCU408D Apply the spontaneous combustion management plan

Release: 3

RIIMCU408D Apply the spontaneous combustion management plan

Modification History

Release	Comment
1	This unit replaces RIIMCU408A Apply the spontaneous combustion management plan
2	Plan and Prepare element added to Performance Criteria; Inserted Modification History
3	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.

Application

This unit describes a participant's skills and knowledge required to apply the spontaneous combustion management plan in Coal mining (Underground).

This unit is appropriate for those working in supervisory or technical specialist roles

Licensing, legislative, regulatory and certification requirements that apply to this unit can vary between states, territories, and Industry sectors. Relevant information must be sourced prior to application of the unit.

Unit Sector

Coal mining (Underground)

Elements and Performance Criteria

1. Plan and prepare to apply the spontaneous combustion management plan	1.1 Access, interpret and apply spontaneous combustion management plan documentation, and ensure the work activity is compliant 1.2 Identify, clarify and communicate roles and responsibilities 1.3 Identify obtain and allocate resources required for the application of the spontaneous combustion plan 1.4 Identify individual training needs and prepare training plans
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<p>2. Identify and explain the fundamentals of spontaneous combustion hazards and risks</p>	<p>2.1 Identify the fundamentals of spontaneous combustion</p> <p>2.2 Identify and explain the effects of mine gases and barometric variations on the risks of spontaneous combustion</p> <p>2.3 Identify and explain the hazards associated with goaf and waste working atmosphere</p> <p>2.4 Identify the impact of ventilation and ventilation structures on the risks of spontaneous combustion</p> <p>2.5 Identify spontaneous combustion risks associated with the coal stowage</p>
<p>3. Identify and explain the fundamentals of spontaneous combustion control systems and procedures</p>	<p>3.1 Identify the principles of ventilation design and related procedures and their impact on spontaneous combustion management</p> <p>3.2 Identify the methods and purposes of natural and induced inertisation in the goaf and waste workings, in relation to spontaneous combustion</p> <p>3.3 Identify the method, purpose, operation and procedures for installation of mine atmosphere monitoring systems, with regards to spontaneous combustion</p>
<p>4. Identify and apply resources to the spontaneous combustion management plan</p>	<p>4.1 Identify, access, interpret and apply relevant legislative requirements and site safety management systems including statutory inspection requirements related to spontaneous combustion</p> <p>4.2 Identify, interpret and apply procedures and responsibilities in the spontaneous combustion management plan</p> <p>4.3 Monitor the actions of the work group to ensure the application of required spontaneous combustion procedures are complied with</p> <p>4.4 Identify and apply appropriate response procedures in situations where trigger levels are reached</p> <p>4.5 Participate in the development, review and enhancement of spontaneous combustion procedures as per site requirements</p>
<p>5. Identify and respond to spontaneous combustion indicators</p>	<p>5.1 Identify, monitor, investigate, respond and report on spontaneous combustion indicators</p> <p>5.2 Respond to indicators</p>
<p>6. Apply mine atmosphere monitoring systems and procedures</p>	<p>6.1 Conduct mine atmosphere monitoring, interpret the results and prepare and process reports</p> <p>6.2 Identify and report defects to monitoring systems and, where appropriate, affect repairs</p>
<p>7. Apply control</p>	<p>7.1 Identify, investigate and report changes in ventilation which</p>

measures	<p>may affect spontaneous combustion</p> <p>7.2 Report incidents of connection to other workings and take immediate action</p> <p>7.3 Select, apply and report on the appropriate action to remedy impact of water accumulation on the ventilation system</p> <p>7.4 Identify, rectify and report defects to ventilation structures and seals</p> <p>7.5 Identify hazards associated with the coal accumulations and transport systems and apply action to minimise the spontaneous combustion risks</p>
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Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit. Further information is available in the Resources and Infrastructure Industry Training Package Companion Volume.

Unit Mapping Information

RIIMCU408A Apply the spontaneous combustion management plan

Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>