



Australian Government

RIIMCU604D Establish and maintain the outburst management plan

Release: 2

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Modification History

Release	Comment
1	This unit replaces RIIMCU604A Establish and maintain the outburst management plan
2	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 establish and maintain the outburst management plan in Coal mining.

This unit is appropriate for those working in management 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 establish and maintain the outburst management plan	1.1 Access, interpret and apply outburst management plan documentation, and ensure the work activity is compliant 1.2 Identify, evaluate and clarify coal seam characteristics and conditions which could lead to outburst conditions 1.3 Identify, analyse and evaluate hazards and risks relating to outburst 1.4 Identify, analyse and evaluate geological and geotechnical conditions which may contribute to outburst prone conditions 1.5 Identify, analyse and evaluate the effects of outburst on mine atmosphere, personnel, services and infrastructure
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	1.6 Identify the requirements for personnel, services and infrastructure protection in relation to outburst
2. Identify, analyse and evaluate outburst potential and control options and measures	2.1 Identify, analyse and evaluate the types and advantages/disadvantages of outburst sampling and analytical process options 2.2 Identify, analyse and evaluate geological and physical conditions of the seam and surrounding strata 2.3 Identify, analyse and evaluate the types and advantages/disadvantages of outburst control methods 2.4 Identify, analyse and evaluate the methods, purposes and capabilities of monitoring systems with regard to outburst 2.5 Identify, analyse and evaluate control options to address outburst hazards 2.6 Identify and clarify the scope and impact of gas drainage on outburst prone areas 2.7 Identify training needs of individuals and prepare training plans
3. Design and develop outburst management systems	3.1 Access, interpret and include drilling systems, including equipment, processes and techniques into the development of the outburst management system 3.2 Access, interpret and include core sampling and related analysis systems, processes and techniques into the development of the outburst management system 3.3 Identify, select and measure the criteria for addressing geological and geotechnical hazards and include into the outburst management plan 3.4 Access, interpret and include personnel safety measures and techniques into the outburst management system 3.5 Access, interpret and include services and infrastructure protection measures into the outburst management system 3.6 Develop monitoring systems, including those for real-time information to minimise the risk of an outburst 3.7 Design and develop controls systems for the outburst management system
4. Establish the outburst management plan	4.1 Design and establish outburst drilling, sampling, collection, analysis and reporting procedures 4.2 Establish actions and procedures required in response to gas threshold levels 4.3 Establish geological and geotechnical hazard identification

	and response procedures 4.4 Develop permit to mine procedures 4.5 Establish personnel safety measures and techniques 4.6 Establish services and infrastructure protection measures 4.7 Establish outburst information recording and reporting procedures 4.8 Establish emergency response and evacuation plans 4.9 Establish training requirements for the outburst management plan
5. Plan and prepare for the implementation of the outburst management plan	5.1 Identify, clarify and communicate to all personnel roles and responsibilities, as specified in the outburst management plan 5.2 Identify, forecast, obtain and allocate/schedule resources required for the implementation of the outburst management plan 5.3 Implement the outburst training program 5.4 Review the outburst management plan implementation procedures and implement required changes
6. Audit the effectiveness of the outburst management plan	6.1 Audit the outburst management system 6.2 Audit outburst drilling and analytical procedures 6.3 Audit monitoring systems 6.4 Audit geological and geotechnical identification, monitoring and response procedures 6.5 Audit recording plans and procedures 6.6 Audit outburst training plan for currency, relevance and compliance with the requirements of the outburst management system 6.7 Identify and respond promptly to instances of non-compliance or other discrepancies/deficiencies revealed by audit 6.8 Maintain written records, reports and policy documentation

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

RIIMCU604A Establish and maintain the outburst management plan

Links

Companion Volume implementation guides are found in VETNet -

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