



Australian Government

Department of Education, Employment and Workplace Relations

RIIMCU210A Conduct stonedusting operations

Release: 1

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Modification History

Not applicable.

Unit Descriptor

This unit covers conducting stonedusting operations in the coal mining industry. It includes: planning and preparing for stonedusting, applying stonedust, finalising work procedures, and carrying out operator maintenance on equipment. Licensing, legislative, regulatory and certification requirements vary between States, Territories, and industry sectors. Relevant information must be sourced prior to application of the unit.

Application of the Unit

This unit is appropriate for those working in an assistant role, at worksites within:

- Coal mining

Licensing/Regulatory Information

Refer to Unit Descriptor.

Pre-Requisites

Not applicable.

Employability Skills Information

This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.
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Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Plan and prepare for stonedusting	1.1. Access, interpret and apply compliance documentation relevant to the work activity 1.2. Access, interpret and apply mine environmental data required to complete the allocated work 1.3. Coordinate and transport resources to the worksite 1.4. Identify, select and check equipment , materials and services in accordance with the work requirement and site procedures and legislative requirements
2. Apply stonedust	2.1. Resolve coordination activities with others at the site prior to commencement of, and during, the work activity 2.2. Carry out start-up, shutdown and isolation procedures in accordance with manufacturer's instructions and/or site procedures 2.3. Operate equipment in accordance with manufacturer and/or site requirements 2.4. Apply dust in accordance with statutory and site requirements 2.5. Recognise and respond to hazardous and emergency situations in accordance with manufacturer's instructions and/or site procedures
3. Finalise work procedures	3.1. Perform work in accordance with the agreed requirements and achievement targets and within the operating capabilities of the equipment 3.2. Restore worksite in accordance with site procedures/practices 3.3. Complete job/task reports in accordance with site requirements and hand over details
4. Carry out operator maintenance on equipment	4.1. Carry out stonedusting equipment inspections and fault finding in accordance with manufacturer's instructions and/or site requirements 4.2. Carry out routine operational servicing, lubrication and housekeeping tasks in accordance with manufacturer's instructions

	and/or site procedures and practices 4.3. Carry out minor maintenance to manufacturer's instructions and/or site requirements 4.4. Provide operator support during preparation for, and conduct of, major maintenance tasks in accordance with site requirement 4.5. Process records in accordance with site requirements
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Required Skills and Knowledge

This section describes the skills and knowledge required for this unit.

Required skills

Specific skills are required to achieve the Performance Criteria of this unit, particularly for its application in the various circumstances in which this unit may be used. This includes the ability to carry out the following, as required to conduct stonedusting operations

- apply legislative, organisation and site requirements and procedures for stonedusting operations
- apply personnel and operational safety requirements
- access, interpret, apply and communicate technical information
- operate stonedusting equipment
- maintain stonedusting equipment
- identify and respond to changing environmental and ventilation conditions
- use hand tools
- comply with environmental requirements

Required knowledge

Specific knowledge is required to achieve the Performance Criteria of this unit, particularly its application in the various circumstances in which this unit may be used. This includes knowledge of the following, as required to conduct stonedusting operations:

- mine personnel and operational safety procedures
- mine operational procedures, layout and plan
- stonedusting requirements and techniques
- stonedusting equipment capabilities, limitations and maintenance requirements
- stonedusting equipment maintenance procedures
- mine ventilation
- mine environmental requirements and constraints related to stonedusting

Evidence Guide

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

Overview of assessment	
Critical aspects for assessment and evidence required to demonstrate competency in this unit	The evidence required to demonstrate competency in this unit must be relevant to worksite operations and satisfy all of the requirements of the performance criteria, required skills and knowledge and the range statement of this unit and include evidence of the following: • knowledge of the requirements, procedures and instructions for conducting stonedusting operations • implementation of requirements, procedures and techniques for the safe, effective and efficient completion of stonedusting operations • working with others to undertake and complete the stonedusting operations in a way that meets all of the required outcomes • consistent timely completion of stonedusting operations that safely, effectively and efficiently meets the required outcomes
Context of and specific resources for assessment	• This unit must be assessed in the context of the work environment. Where personal safety or environmental damage are limiting factors, assessment may occur in a simulated environment provided it is realistic and sufficiently rigorous to cover all aspects of workplace performance, including task skills, task management skills, contingency management skills and job role environment skills. • Assessment of this competency requires typical resources normally used in a resources and infrastructure sector environment. Selection and use of resources for particular worksites may differ due to the site circumstances. • The assessment environment should not disadvantage the participant. For example, language, literacy and numeracy demands of assessment should not be greater than those required on the job.

	• Customisation of assessment and delivery environment to sensitively accommodate cultural diversity. • Aboriginal people and other people from a non English speaking background may have second language issues. • Where applicable, physical resources should include equipment modified for people with disabilities. Access must be provided to appropriate learning and/or assessment support when required.
Method of assessment	This unit may be assessed in a holistic way with other units of competency. The assessment strategy for this unit must verify required knowledge and skill and practical application using more than one of the following assessment methods: • written and/or oral assessment of the candidate's required knowledge • observed, documented and/or first hand testimonial evidence of the candidate's: • implementation of appropriate requirement, procedures and techniques for the safe, effective and efficient achievement of required outcomes • consistent achievement of required outcomes • first hand testimonial evidence of the candidate's: • working with others to undertake and complete the stonedusting operations
Guidance information for assessment	Consult the SkillsDMC User Guide for further information on assessment including access and equity issues.

Range Statement

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

Relevant compliance documentation may include:	• legislative, organisational and site requirements and procedures • manufacturer's guidelines and specifications • Australian standards • management plans • OHS policy • code of practice • Employment and workplace relations legislation • Equal Employment Opportunity and Disability Discrimination legislation
Work requirements may be in the form of:	• shift briefings • handover details • work orders
Work requirement details may include:	• nature and scope of the work • achievement targets • equipment allocation, including any defects • locations of work and essential survey data • locations of service facilities • site working conditions • environmental conditions • hazards • potential hazards • next area of work • coordination requirements/issues
Mine environmental data may be in the form of:	• ventilation/gas data • deputy reports
Resources required for the work may include:	• personnel • machinery • stonedusting materials • compressed air
Equipment may include:	• cantons • pods • quick duster

	• trickle duster • venturi • machinery including: • load haul dump • multipurpose vehicle • ram cars
Operator (operational) maintenance procedures are those established and authorised for the site.	

Unit Sector(s)

Coal Mining (Underground)

Competency field

Refer to Unit Sector(s).

Co-requisite units

Not applicable.