



Australian Government

Department of Education, Employment and Workplace Relations

RIIENV401A Supervise dust and noise control

Release: 1

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Modification History

Not applicable.

Unit Descriptor

This unit covers the supervision of dust and noise control in the mining and extractive industries. It includes: accessing and sharing requirements and procedures; planning and implementing site requirements; and monitoring, adjusting and reporting performance.

Application of the Unit

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

- Coal mining
- Extractive industries
- Metalliferous 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

<p>Elements describe the essential outcomes of a unit of competency.</p>	<p>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.</p>
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Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Access and share requirements and procedures	1.1. Access, interpret and share compliance documentation relevant to controlling dust and noise on the site 1.2. Provide information in a language, style and format that is understood by colleagues 1.3. Make clear the health and environmental implication of non-conformance to all within the workplace
2. Plan and implement site requirement	2.1. Plan control measures and work practices with colleagues to ensure compliance 2.2. Implement control measures and work practices to ensure compliance with requirements and procedures 2.3. Plan and implement dust and noise monitoring 2.4. Identify training needs and implement training, coaching and mentoring support to colleagues in applying the work and requirements for dust and noise control
3. Monitor, adjust and report	3.1. Identify, rectify and report actual and potential dust and noise problems promptly and decisively to ensure workplace compliance 3.2. Manage activities so that potential non-compliance with dust and noise control requirements are minimised 3.3. Submit recommendations on improvements in dust and noise control to designated persons/groups 3.4. Inform individuals/teams of the results of improvements in dust and noise control in the workplace 3.5. Maintain systems, records and reporting procedures

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 in this unit, particularly for the application in the various circumstances in which this unit may be applied. This includes the ability to carry out the following as required to supervise dust and noise control:

- apply legislative, organisation and site requirements and procedures
- provide information
- apply techniques to identify potential dust and noise problems
- apply work procedure and instruction preparation requirements and procedures
- apply procedures for developing and introducing practices to improve the work environment
- use effective consultative mechanisms to negotiate processes and procedures appropriate to statutory/legal requirements
- explain complex information to superiors/subordinates
- apply coaching and mentoring support techniques

Required knowledge

Specific knowledge is required to achieve the Performance Criteria of this unit, particularly its application in a variety of circumstances in which the unit may be used. This includes knowledge of the following, as required to supervise dust and noise control:

- legislative, requirements and procedures
- organisation's requirements and procedures
- manufacturer's requirements and procedures
- identification of harmful dust and noise levels that effect human health
- health and environmental implication of non-conformance
- potential dust and noise problems
- dust and noise control measures
- dust and noise monitoring requirements and procedures
- work practices that minimise the potential and impact of dust and noise problems
- procedures for identifying training needs and implement training
- recording and reporting procedures
- human resource management
- providing information
- work procedure/instruction writing

Evidence Guide

<p>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.</p>	
<p>Overview of assessment</p>	
<p>Critical aspects for assessment and evidence required to demonstrate competency in this unit</p>	<p>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:</p> <ul style="list-style-type: none"> • knowledge of the requirements, procedures and instructions for the supervising dust and noise control • implementation of appropriate procedures and techniques for the safe, effective and efficient dust and noise control • working with others to plan, prepare and conduct dust and noise control • provision of clear and timely instruction and supervision by the individual of those involved in dust and noise control • evidence of the consistent successful dust and noise control
<p>Context of and specific resources for assessment</p>	<ul style="list-style-type: none"> • 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. • 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

	<p>English speaking background may have second language issues.</p> <ul style="list-style-type: none"> • 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. • 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	<p>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:</p> <ul style="list-style-type: none"> • written and/or oral assessment of the candidate's required knowledge • observed, documented and/or first hand testimonial evidence of the candidate's: <ul style="list-style-type: none"> • implementation of appropriate procedures and techniques for the safe, effective and efficient achievement of the required outcomes • consistently achieving the required outcomes • first hand testimonial evidence of the candidate's: <ul style="list-style-type: none"> • working with others to plan, prepare and conduct dust and noise control • provision of clear and timely instruction and supervision by the individual of those involved in carrying out dust and noise control
Guidance information for assessment	<p>Consult the SkillsDMC User Guide for further information on assessment including access and equity issues.</p>

Range Statement

<p>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.</p>	
<p>Relevant compliance documentation may include:</p>	<ul style="list-style-type: none"> • legislative, organisation and site requirements and procedures • manufacturer's guidelines and specifications • Australian standards • code of practice • Employment and workplace relations legislation • Equal Employment Opportunity and Disability Discrimination legislation
<p>Control measures may include:</p>	<ul style="list-style-type: none"> • dust extraction and collection • noise insulation • enclosures • installing and maintaining seals • water sprays • water carts • application of chemical dust suppression • stockpile design • bund walls/wind breaks • routine maintenance • personal protective equipment • maintenance and replacement of non-compliant equipment
<p>Work practices may be included in</p>	<ul style="list-style-type: none"> • site work instructions or standard operating procedures
<p>Dust and noise monitoring may include:</p>	<ul style="list-style-type: none"> • health monitoring, such as: <ul style="list-style-type: none"> • noise exposure • respirable dust • irrespirable dust • health screening, such as: <ul style="list-style-type: none"> • pre-employment • in employment • on exit of employment • environmental monitoring, such as:

	<ul style="list-style-type: none">• deposition rates• noise levels• wind speed and direction• types of dust
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Unit Sector(s)

Environment

Competency field

Refer to Unit Sector(s).

Co-requisite units

Not applicable.