



Australian Government

RIIMEX201D Suppress dust in open-cut environment

Release: 2

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Modification History

Release	Comment
1	This unit replaces RIIMEX201A Suppress dust in open-cut environment
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 suppress dust in open-cut environment in Coal and Metalliferous mining and Extractive.

This unit is appropriate for those working in operational roles.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Unit Sector

Coal mining

Extractive

Metalliferous mining

Elements and Performance Criteria

1. Plan and prepare for dust suppression	1.1 Access, interpret and apply dust suppression documentation and ensure the work activity is compliant 1.2 Obtain, read, interpret, clarify and confirm work requirements 1.3 Identify and address potential risks, hazards and environmental issues and implement control measures 1.4 Select and wear personal protective equipment appropriate for work activities 1.5 Access, interpret and select appropriate dust suppression procedure for the work activity and site conditions 1.6 Obtain and interpret emergency procedures, and be prepared
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	for fire/accident/emergency 1.7 Carry out pre-start, start-up, park up, shutdown and secure equipment procedures
2. Apply dust suppressant	2.1 Distribute dust suppressant in appropriate pattern for ground conditions 2.2 Adjust dust suppression activities to the application schedule and weather conditions 2.3 Communicate and coordinate activities with others prior to, during and on completion of the work activity
3. Minimise dust creation	3.1 Select and apply appropriate dust suppression method, ensure dust creation is minimised 3.2 Apply rehabilitation measures to stabilise dumps and tailings sites 3.3 Complete written records and reports

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

RIIMEX201A Suppress dust in open-cut environment

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for RIIMEX201D Suppress dust in open-cut environment

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Performance Evidence

Evidence is required to be collected that demonstrates a candidate's competency in this unit. Evidence must be relevant to the roles within this sector's work operations and satisfy all of the requirements of the performance criteria of this unit and include evidence that the candidate:

- locates and applies relevant documentation, policies and procedures
- implements the requirements, procedures and techniques for the safe, effective and efficient completion of dust suppression in an open-cut environment including:
 - using vehicle directions and signals
 - applying equipment operating requirements and procedures
 - identifying and addressing hazards
 - interpreting plans, reports, maps, specifications
 - working wearing protective equipment
- works effectively with others to undertake and complete dust suppression in an open-cut environment that meets all of the required outcomes including:
 - communicating clearly and concisely with others to receive and clarify work instructions
 - completing written and verbal records and reports applying decision making and troubleshooting techniques
- demonstrates completion of suppressing dust in open-cut environment that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - distributing dust suppressant in appropriate pattern for ground conditions
 - adjusting dust suppression activities to the application schedule and weather conditions
 - minimising dust creation by selecting and applying appropriate dust suppression method

- applying rehabilitation measures to stabilise dumps and tailings sites

Knowledge Evidence

The candidate must demonstrate knowledge of suppressing dust in open-cut environment through:

- identifying equipment processes, technical capability and limitations
- basic geological and technical data (rock formation)
- site operation systems

Assessment Conditions

- An assessor of this unit must satisfy the requirements of the NVR/AQTF or their successors; and Industry regulations for certification and licensing; and,
- this unit is best assessed in the context of this sector's 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 this sector's workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills; and,
- this unit must be assessed in compliance with relevant legislation/regulation and using policies, procedures, processes and operational manuals directly related to the industry sector for which it is being assessed; and,
- assessment may be conducted in conjunction with the assessment of other Units of Competency; and,
- assessment must confirm consistent performance can be applied in a range of relevant workplace circumstances; and,
- assessors must demonstrate the performance evidence, and knowledge evidence as outlined in this Unit of Competency, and through the minimum years of current* work experience specified below in an Industry sector relevant to the outcomes of the unit; or,
- where the assessor does not meet experience requirements a co-assessment or partnership arrangement must exist between the qualified assessor and an Industry subject matter expert. The Industry subject matter expert should hold the unit being assessed (or an equivalent unit) and/or demonstrate equivalence of skills and knowledge at the unit level. An Industry technical expert must also demonstrate skills and knowledge from the minimum years of current work experience specified below in the Industry sector, including time spent in roles related to the unit being assessed; and,
- assessor and Industry subject matter expert requirements differ depending on the Australian Qualifications Framework Level (AQF) of the qualification being assessed and/or Industry Sector as follows:

Industry sector	AQF** Level	Required assessor or Industry subject matter expert experience
Drilling, Metalliferous Mining, Coal	1	1 Year

Mining, Extractive (Quarrying) and Civil Construction	2	2 Years
Drilling, Coal Mining and Extractive (Quarrying)	3-6	3 Years
Metalliferous Mining and Civil Construction	3-6	5 Years
Other sectors	Where this Unit is being assessed outside of the Resources and Infrastructure Sectors assessor and/or Industry subject matter expert experience should be in-line with industry standards for the sector in which it is being assessed and where no Industry standard is specified should comply with any relevant regulation.	

*Assessors can demonstrate current work experience through employment within Industry in a role relevant to the outcomes of the Unit; or, for external assessors this can be demonstrated through exposure to Industry by conducting frequent site assessments across various locations.

**Where a unit is being delivered outside of a Qualification the first numeric character in the Unit code should be considered to indicate the AQF level

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