



Australian Government

RIISRM301D Blend stockpile materials

Release: 2

RIISRM301D Blend stockpile materials

Modification History

Release	Comment
1	This unit replaces RIISRM301A Blend stockpile materials
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 blend stockpile materials in Coal and Metalliferous mining and Extractive.

This unit is appropriate for those working in operational or supervisory roles.

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

Unit Sector

Coal mining

Extractive industries

Metalliferous mining

Elements and Performance Criteria

1. Plan and prepare for blending stockpile materials	1.1 Access, interpret and apply blending of stockpile materials documentation and ensure the work activity is compliant 1.2 Obtain, interpret and clarify work instructions 1.3 Complete start up checks, and prepare work area 1.4 Identify, manage and report potential hazards and risks 1.5 Select and wear personal protective equipment 1.6 Use approved dust suppression and extraction methods 1.7 Identify and locate correct material grade according to stockpile plan 1.8 Using site communication methods and systems, communicate
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	clearly and concisely in English work requirements to others 1.9 Follow emergency procedures and ensure safety of others, plant and equipment
2. Blend materials	2.1 Select the correct quantity and grade of material, use appropriate blending techniques and check required blend of minerals is achieved 2.2 Monitor the surrounding site, access roads and ensure they are not contaminated 2.3 Monitor blending process and ensure correct grades of minerals are selected 2.4 Identify contaminants, remove, and follow contaminant management procedure 2.5 Prepare written record and reports for contaminants and the process used to remedy or remove the contaminant
3. Carry out post-operational procedures	3.1 Inspect, determine faults and report equipment faults 3.2 Carry out operational maintenance, servicing, lubricating and housekeeping tasks 3.3 Process 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

RIISRM301B Blend Stockpile materials

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 RIISRM301D Blend stockpile materials

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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
- works effectively with others to undertake and effective completion of blending stockpile materials to meet all required outcomes including:
 - preparing for and organising work activities to meet all task requirements
 - communicating clearly and concisely with others to receive and clarify work instructions
 - using a range of communication techniques and aids to advise others of work activity and exclusion zones
- demonstrates completion of blending stockpile materials that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - using site determined communication system and equipment
 - using knowledge of the requirements, procedures and instructions for blending of stockpile materials
 - operating hand tools when blending stockpile materials
 - monitoring the blending process and ensure correct grades of minerals are selected
 - applying diagnostic and troubleshooting techniques to blending of stockpile materials
 - operating a computer system to record issues, report activity, and faults and process used to remedy or remove contaminants when blending of stockpile materials

Knowledge Evidence

The candidate must demonstrate knowledge of blending stockpile materials through:

- blending stockpile materials
- blending and stockpiling issues
- environmental requirements and constraints
- product characteristics
- pre-start, start-up, operating and shutdown procedures and techniques for blending equipment
- characteristics, processes, technical capability and limitations when blending
- hazardous goods procedures and consequences of spills
- stockpile indicator readings
- site operational system
- the principles of contamination

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 must be assessed in the context of this sector's work environment; 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 Mining, Extractive (Quarrying) and Civil Construction	1	1 Year
	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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