



Australian Government

Department of Education, Employment and Workplace Relations

RIISRM303B Move and position materials to form stockpiles

Release: 1

RIISRM303B Move and position materials to form stockpiles

Modification History

Not applicable.

Unit Descriptor

This unit covers the moving and positioning of materials to form stockpiles in resources and infrastructure industries. It includes organising for and stockpiling materials.

Application of the Unit

This unit is appropriate for those working in mobile plant operator roles, at worksites within:

- Civil construction
- 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

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. Organise for stockpiling	1.1. Access, interpret and apply compliance documentation relevant to moving and positioning of materials to form stockpiles 1.2. Receive, interpret and clarify shift changeover details 1.3. Communicate with other personnel using approved communication methods 1.4. Select personal protective equipment appropriate for work activities 1.5. Identify, address and report environmental issues 1.6. Confirm stockpile boundaries and signage are erected according to site procedures 1.7. Adhere to emergency procedures 1.8. Identify, address and report potential risks and hazards
2. Stockpile materials	2.1. Stockpile materials in specified location 2.2. Inspect stockpile structure and surrounding area 2.3. Identify and manage contaminants to protect quality of material and protect equipment and environment 2.4. Construct stockpile according to site stockpile plan 2.5. Ensure stockpile has adequate drainage to minimise contamination of stockpile and surrounding areas 2.6. Maintain pad according to site parameters 2.7. Complete all required documentation clearly, concisely and on time 2.8. Pass on end of shift information to oncoming shift

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 move and position materials to form stockpiles:

- apply legislative, organisation and site requirements and procedures
- apply materials dumping techniques
- apply procedures for operating, maintaining and cleaning equipment
- apply hazard identification procedures
- interpret plans, maps, specifications
- apply procedures for monitoring operations
- apply OHS procedures
- apply defect reporting requirements
- use hand and power tools
- apply stockpile safety requirements

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 move and position materials to form stockpiles:

- bund construction and maintenance procedures
- drainage principles
- emergency procedures
- environmental principles
- isolation principles
- metallurgical and technical data
- selection of equipment
- operational procedures and checks
- road rules
- signage
- stockpile safety requirements
- stockpiling characteristics and limitations
- stockpiling procedures
- types of ores
- wet and dry working procedures

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 moving and positioning of materials to form stockpiles • implementation of requirements, procedures and techniques for the safe, effective and efficient moving and positioning of materials to form stockpiles • working with others to move and position materials to form stockpiles that meets all of the required outcomes • consistent timely completion of moving and positioning of materials to form stockpiles 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. • 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. • Assessment of this competency requires typical resources normally used in the work environment. Selection and use of resources for particular worksites may differ due to 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	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 • consistently achieving the required outcomes • first hand testimonial evidence of the candidate's: • working with others to move and position materials to form stockpiles
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, 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
A stockpile may be temporary or permanent and may be:	• a hole • bulk storage • formation of earthworks (cone, flat) • silo • warehouse
Environmental issues may include:	• drainage • dust and fumes • emissions • hazardous chemicals • noise • run-off • spills • waste management and disposal • water quality
Boundaries may be fixed or mobile and may include:	• chalk and paint markings • cones • flag and string fences • wire
Signage may include:	• danger • height • one way • safety • stop • stockpile numbering or name

Hazards may include:	• day and night • degree of compaction • dry and wet • location of water table • mobile equipment in area • overhead power-lines • persons on foot • slope of working surface • stable ground and broken ground • working at heights • working over old underground workings and voids
Materials may be wet or dry and may include:	• beneficiation product • crushed ore • road base • run of mine ore • sand • gravel • crushed aggregate • tailings • topsoil • waste rock
Inspections may include:	• detection of contaminants and hazards • isolations • ore types • overhead clearance (e.g. height limitations or power links for cranes or trucks) • personal proximity • possible faults and problems • safety equipment
Contaminants are anything other than the ore or products and may include:	• containers • packaging • fuels • metal • oils • piping • rubbish • timber
Equipment may include:	• bins • conveyors • dust suppression equipment

	• mobile equipment
Stockpile plan may include:	• map • coordination of activities • total area • segregation of material types • signage requirements • stockpile construction details (angle of repose, height) • compaction requirements (coal mining)

Unit Sector(s)

Stockpile and Reclaim Material

Competency field

Refer to Unit Sector(s).

Co-requisite units

Not applicable.