



Australian Government

Department of Education, Employment and Workplace Relations

RIIMPO305B Conduct coal stockpile dozer operations

Release: 1

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Modification History

Not applicable.

Unit Descriptor

This unit covers conducting stockpile dozer operations in the coal mining industry. It includes: planning and preparing for operations, operating the dozer, performing stockpile operations, and carrying out operator maintenance.

Application of the Unit

This unit covers all tracked dozers; and those tasks and performance criteria which are within the legal and technical limitations of rubber-wheeled dozers. It is appropriate for those working in mobile plant operator roles, 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 operations	1.1. Access, interpret and apply <i>compliance documentation</i> relevant to <i>stockpile dozer operations</i> 1.2. Obtain, interpret and clarify/confirm <i>work requirements</i> before proceeding 1.3. Interpret and apply basic geological and survey data required to complete the allocated task 1.4. Access and apply <i>safety information and procedures</i> throughout the operations
2. Operate dozer	2.1. Coordinate operations with other involved personnel and equipment/plant 2.2. Carry out pre-start, start-up and shutdown procedures 2.3. Effectively use dozer controls and functions to complete specified tasks 2.4. Carry out <i>towing and pushing</i> of equipment and plant safely and in accordance with the authorised equipment and/or connection capabilities 2.5. Act on or report monitoring systems and alarms 2.6. Recognise and respond to hazardous and emergency situations
3. Perform stockpile operations	3.1. Place coal in and remove from predetermined stockpile location to work specifications 3.2. Form slope and height to work specifications 3.3. Pack coal to prevent air ingress, fires and weather channelling 3.4. Level stockpiles to tolerances 3.5. Monitor and respond to spontaneous combustion indicators 3.6. Monitor and respond to contamination indicators
4. Carry out operator maintenance	4.1. Carry out dozer inspections and fault-finding 4.2. Carry out authorised routine operational servicing, lubrication and housekeeping

	<p>tasks</p> <p>4.3. Carry out authorised minor maintenance</p> <p>4.4. Process records</p>
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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 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 conduct coal stockpile dozer operations:

- apply legislative, organisation and site requirements and procedures
- apply operation safety
- access, interpret and apply technical information
- apply hand-eye coordination
- use relevant hand tools
- apply diagnostic techniques
- apply chemical and fuel safety measures
- apply procedures for disposal of environmentally sensitive fluids and materials
- maintain equipment records

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 conduct coal stockpile dozer operations:

- site and equipment safety requirements
- stockpile management procedures
- equipment characteristics, technical capabilities and limitations
- dozer operational procedures
- dozer maintenance systems and procedures
- site environmental requirements and constraints related to dozer operations
- basic geological and survey data

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 conducting coal stockpile dozer operations • implementation of requirements, procedures and techniques for the safe, effective and efficient completion of coal stockpile dozer operations • working with others to undertake and complete the coal stockpile dozer operations that meet all of the required outcomes • consistent, timely completion of coal stockpile dozer operations that safely, effectively and efficiently meet the required outcomes
<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 English speaking background may have second

	<p>language issues.</p> <ul style="list-style-type: none"> • 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	<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 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: <ul style="list-style-type: none"> • working with others to undertake and complete the coal stockpile dozer operations
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 • codes of practice • Employment and Workplace Relations legislation • Equal Employment Opportunity and Disability Discrimination legislation
<p>Stockpile dozer operations may include:</p>	<ul style="list-style-type: none"> • ripping • pushing and levelling of coal • pad preparation • drainage • dump establishment • maintenance
<p>Work requirements may be in the form of:</p>	<ul style="list-style-type: none"> • shift briefings • handover details • work orders
<p>Work requirements may include:</p>	<ul style="list-style-type: none"> • plant identification/allocation • nature and scope of the task • achievement targets • working conditions • adequacy of site lighting • defects to equipment • hazards and potential hazards • coordination requirements/issues
<p>Safety information and procedures may be contained in:</p>	<ul style="list-style-type: none"> • legislation and regulations • relevant Australian standards • management plans • OHS policy • code of practice • manufacturer's instructions • safe working procedures (or equivalent)
<p>Specific safety requirements are to</p>	<ul style="list-style-type: none"> • boarding and disembarkation procedures

include:	<ul style="list-style-type: none">• spontaneous combustion awareness• slippery conditions• uneven surfaces• operational signal procedures• equipment lowering and lifting
Towing and pushing may include:	<ul style="list-style-type: none">• coal haulers• pumps• lighting sets• other dozers

Unit Sector(s)

Mobile Plant Operations

Competency field

Refer to Unit Sector(s).

Co-requisite units

Not applicable.