



Australian Government

Department of Education, Employment and Workplace Relations

CPPWMT3021A Cover waste

Release: 1

CPPWMT3021A Cover waste

Modification History

Revised unit

Unit updated and equivalent to PRMWM21B Cover waste

Unit Descriptor

This unit of competency specifies the outcomes required to cover a waste batter at a landfill site. It includes the operation of mobile plant and requires the ability to organise activity and apply safe work practices.

Application of the Unit

This unit of competency supports individuals with responsibilities for covering waste. It includes contributing to the implementation of developed operational procedures, as well as recognising the need for expert advice.

Licensing/Regulatory Information

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

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.

Elements and Performance Criteria

- | | | |
|---|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Organise for covering activities. | 1.1 <i>Job sheet</i> is reviewed to identify job requirements. |
| | | 1.2 <i>Plant</i> and associated <i>equipment</i> are selected for job in order to maximise efficiency and effectiveness of waste covering. |
| | | 1.3 Other tools and materials required to meet work requirements are identified and obtained. |
| | | 1.4 Suitable cover material is organised to ensure adequate stockpile is available on site for waste covering activities. |
| | | 1.5 <i>Emergency and personal protective equipment (PPE)</i> is selected and fitted according to job requirements, <i>organisational requirements</i> and <i>legislation and codes</i> . |
| | | 1.6 Processes and operator licence are checked to ensure operator is qualified to conduct operations, according to organisational requirements and legislation. |
| | | 1.7 <i>Landfill cell is assessed</i> to determine waste cover requirements. |
| | | 1.8 <i>Potential hazards and risks</i> of job requirements are identified and managed according to organisational requirements, and occupational health and safety (OHS) regulations and other legislation and codes. |
| | | 1.9 Safety barriers and signage are erected at work sites, according to organisational requirements and legislation, to ensure safety of surrounding personnel and the public. |
| 2 | Perform routine checks on plant. | 2.1 Visual check of plant is conducted to pinpoint damage, leaks, obstructions, component wear or potential hazards. |
| | | 2.2 Plant systems are tested according to manufacturer specifications and organisational requirements. |
| | | 2.3 <i>Service checks</i> are conducted to ensure water, oil, fuel, air pressure and greasing are maintained at designated levels according to manufacturer specifications. |
| | | 2.4 Emergency and personal protective equipment is checked to ensure correct operation. |

- 2.5 Associated equipment is checked to ensure its operational capacity complies with manufacturer specifications.
- 3 Start and operate plant.
- 3.1 Plant is started and operated according to manufacturer specifications and organisational requirements.
- 3.2 Plant is operated or driven in a safe and efficient manner according to organisational requirements, road and traffic regulations and legislation.
- 3.3 Surrounding environment is continuously observed to identify and avoid or minimise potential hazards.
- 3.4 Plant operations and gauges are routinely monitored to determine operational functioning.
- 3.5 Clear communications are maintained with relevant personnel.
- 4 Conduct waste cover operation.
- 4.1 **Waste** is covered safely and efficiently in designated area using approved **waste covering method** on completion of placement and compacting operations at end of each day.
- 4.2 Even and smooth cover is placed over waste batter according to **cover type**, organisational requirements and legislation and codes.
- 4.3 Waste covering method is checked to ensure cover erosion is minimised.
- 4.4 Waste cover is checked to ensure it conforms to required depth and thickness, according to organisational requirements and legislation and codes.
- 4.5 Synthetic cover (when required) is handled and placed according to manufacturer specifications, organisational requirements and legislation.
- 4.6 Cover is traversed repeatedly to ensure a smooth, tight, compacted surface.

- 5 Shut down and secure plant.
- 5.1 Shut-down procedures are completed according to manufacturer specifications and organisational requirements.
 - 5.2 Plant is parked or stored in a safe location to avoid damage to plant, obstruction of surrounding site activity, or unauthorised use.
 - 5.3 Housekeeping and **cleaning** are carried out to ensure cleanliness of plant and associated equipment.
 - 5.4 Service checks are conducted to ensure water, oil, fuel, air pressure and greasing are maintained at designated levels according to manufacturer specifications.
 - 5.5 Plant or equipment faults or defects are reported to relevant personnel.
 - 5.6 **Record** of covering activities is completed promptly and according to organisational requirements and legislation and codes.

Required Skills and Knowledge

This section describes the skills and knowledge required for this unit.

Required skills

- analytical skills to:
 - identify hazards and risks
 - identify waste types and waste non-conformances
- analytical skills to identify and segregate waste, including:
 - moving, placing and compacting waste in a landfill cell to create a batter
 - segregating valuable resources in composite materials
 - storage operations
- interpersonal skills to work in a team environment
- literacy skills to:
 - document and report on waste compaction outcomes
 - read and interpret:
 - job sheets
 - graduated devices
 - work requirements and material safety data sheets (MSDS)
- oral communication skills to:
 - ask questions
 - listen actively
 - provide information
- technical skills to facilitate:
 - selection of plant and equipment
 - basic plant cleaning
- self-management skills to:
 - conduct work practices safely and efficiently
 - handle waste non-conformances
 - organise work methodically
 - use emergency and PPE
 - work in confined spaces

Required knowledge

- environmental management relating to:
 - techniques to minimise erosion
 - waste types, streams and characteristics
 - waste covering requirements and considerations

- industry standards and legislation
- identification of:
 - waste contaminants
 - waste non-conformances
 - types of waste cover materials, their uses and benefits
- procedures for containing segregated waste types, including containment and isolation of hazardous waste
- OHS requirements relating to:
 - dangerous goods and hazardous substances
 - OHS hierarchy of control
- plant, equipment and materials to facilitate:
 - operation of waste compaction plant and equipment
 - cleaning and maintenance of plant and equipment
 - plant shut-down, lock-out and isolation procedures
- potential hazards and risks relating to:
 - waste cover types
 - emergency response procedures
- service requirements for covering waste, including:
 - client requirements
 - duty of care
 - organisational requirements
 - reporting requirements
 - waste management options
 - waste management hierarchy
 - waste site management plan

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	This unit of competency could be assessed by observation of practical demonstration in the workplace or in a simulated environment.
Critical aspects for assessment and evidence required to demonstrate competency in this unit	<p>A person who demonstrates competency in this unit must be able to provide evidence of the required skills and knowledge specified in this unit.</p> <p>In particular the person should demonstrate the ability to:</p> <ul style="list-style-type: none"> • determine waste cover requirements • organise stockpile of waste cover material • identify potential hazards and risks to waste covering • observe OHS requirements.
Context of and specific resources for assessment	<p>Assessment of essential underpinning knowledge may be conducted in an off-site context. It is to comply with relevant regulatory or Australian standards' requirements.</p> <p>Resource implications for assessment include:</p> <ul style="list-style-type: none"> • work plans and approved specifications • forms and procedures manuals.
Method of assessment	<p>Covering waste must comply with industry expectations in the particular client environment. If the environment is narrowly defined or is not representative of industry needs, it may be necessary to refer to portfolio case studies to assess competency in the covering of waste.</p> <p>Assessment methods must:</p> <ul style="list-style-type: none"> • satisfy the endorsed Assessment Guidelines of the Property Services Training Package • include direct observation of tasks in real or simulated work conditions, with questioning to confirm the ability to consistently identify and correctly interpret the essential underpinning knowledge required for practical application • reinforce the integration of employability skills with workplace tasks and job roles • confirm that competency is verified and able to be transferred to other circumstances and environments.
Guidance information for assessment	Reasonable adjustments for people with disabilities must be made to assessment processes where required. This could include access to modified equipment and other physical resources, and the provision

	<p>of appropriate assessment support.</p> <p>Assessment processes and techniques should as far as is practical take into account the language, literacy and numeracy capacity of the candidate in relation to the competency being assessed.</p> <p>This unit could be assessed on its own or in combination with other units relevant to the job function, for example:</p> <ul style="list-style-type: none">• CPPCMN3001B Participate in environmentally sustainable work practices• CPPCMN3003A Contribute to workplace safety arrangements• CPPWMT3020A Place and compact waste.
--	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

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.

<p><i>Job sheet may include:</i></p>	<ul style="list-style-type: none"> • materials for covering activities • details of special burials, including: <ul style="list-style-type: none"> • classification of waste • characteristics of waste • waste type • emergency and PPE requirements • equipment requirements • landfill development sequence • personnel requirements • plant operation requirements • potential hazards and risks • reporting requirements • site requirements • vehicle and associated equipment requirements • waste types to be processed • work schedules.
<p><i>Plant may include:</i></p>	<ul style="list-style-type: none"> • autoclave • balers • boilers • bunded areas • centrifuge • chippers • computer hardware and software • crushers • hammer mills • incinerators • microwave • pipes • safety structures and controls • separators • shredders • sorters • storage tanks • treatment tanks • tub grinders.

<i>Equipment may include:</i>	<ul style="list-style-type: none"> • barriers and warning signs • communications equipment • compactors • conveyors • dozers • earthmoving equipment • forklifts • generators • hoses • lifting equipment • loadshifting equipment • PPE • pumps • recording equipment • sampling equipment • scales • skips • sorting tables • storage containers • tools • trailers • trolleys • trucks: <ul style="list-style-type: none"> • articulated • rigid • rollers • vacuums • weighbridge • waste containers.
<i>Emergency and personal protective equipment must include:</i>	<ul style="list-style-type: none"> • communications equipment • eye protection, such as goggles and protective glasses • eyewash kit • fire extinguishers • first aid kit • footwear • gloves • overalls and protective clothing.
<i>Emergency and personal protective equipment could also include:</i>	<ul style="list-style-type: none"> • breathing apparatus • emergency procedure guides • face shields or masks • hard hats

	<ul style="list-style-type: none"> • hearing protection • MSDS • spill kit.
<i>Personal protective equipment must be:</i>	<ul style="list-style-type: none"> • cleaned and fitted according to organisational requirements, manufacturer specifications and OHS requirements • worn when required according to organisational requirements • stored according to organisational requirements.
<i>Organisational requirements may include information found in:</i>	<ul style="list-style-type: none"> • briefing papers • job sheets • letters • memos • operations manuals • quality assurance documents • tender and contract documents • verbal or written instructions • work procedures.
<i>Legislation and codes may include:</i>	<ul style="list-style-type: none"> • codes, including: <ul style="list-style-type: none"> • Australian Code for the Transport of Dangerous Goods by Road and Rail • industry • commonwealth, state and territory legislation, including: <ul style="list-style-type: none"> • anti-discrimination • environmental protection • equal employment opportunity • freedom of information • industrial • OHS • trade practices • road laws.
<i>Landfill cell assessment may include:</i>	<ul style="list-style-type: none"> • accessibility due to weather or ground conditions • cover material requirements for batter and stage of landfill development.
<i>Potential hazards and risks are those identified by the organisation that may lead to:</i>	<ul style="list-style-type: none"> • damage to plant, vehicle or property • harm to the environment • illness or injury to employees, contractors or the public • injuries resulting from manual handling and repetitive work.
<i>Hazards and risks may include:</i>	<ul style="list-style-type: none"> • broken glass • broken metal • compaction equipment • contamination • dust

	<ul style="list-style-type: none"> • fire • gases and fumes • hazardous waste (e.g. sharps) • narrow driveways • other vehicles and equipment • overhanging signs • projectiles • spark-producing equipment • unguarded conveyor belts • weather.
<i>Service checks may include:</i>	<ul style="list-style-type: none"> • air conditioner • air pressure • fuel • horn • lights • lubrication • oil • tyre pressure • water.
<i>Waste may include:</i>	<ul style="list-style-type: none"> • chemical waste • construction and demolition • green waste • hazardous waste • municipal waste • prescribed waste • putrescibles • regulated waste • solid inert.
<i>Waste covering method may vary as</i> during wet weather conditions covering may not be possible. It may <i>include:</i>	<ul style="list-style-type: none"> • bulldozing • dumping • pushing • regular traversing of cell • using roller.
<i>Cover type may include:</i>	<ul style="list-style-type: none"> • daily • intermediate • final.
<i>Cleaning may include:</i>	<ul style="list-style-type: none"> • shovelling • sweeping • using cleaning products • using decontamination products • vacuuming

	<ul style="list-style-type: none">• water-hosing.
Record may include:	<ul style="list-style-type: none">• checks completed• defects identified• faults serviced• housekeeping undertaken• materials used• parts replaced• repairs and adjustments made.

Unit Sector(s)

Waste management

Custom Content Section

Not applicable.