



Australian Government

Department of Education, Employment and Workplace Relations

PRMWM21B Cover waste

Release: 1

PRMWM21B Cover waste

Modification History

Not Applicable

Unit Descriptor

Unit descriptor

This unit of competency describes the covering of a waste batter (including the operation of mobile plant) at a landfill.

Application of the Unit

Not Applicable

Licensing/Regulatory Information

Not Applicable

Pre-Requisites

Not Applicable

Employability Skills Information

Not Applicable

Elements and Performance Criteria Pre-Content

Not Applicable

Elements and Performance Criteria

ELEMENT

PERFORMANCE CRITERIA

1 Organise for covering activities	1.1 Review <i>job sheet</i> to clearly identify all job requirements 1.2 Select appropriate type of <i>plant</i> and associated equipment for job requirement in order to maximise efficiency and effectiveness of waste covering 1.3 Identify and obtain other tool and materials required to meet work requirements 1.4 Organise suitable <i>cover material</i> to ensure adequate stockpile is available on site for waste covering activities 1.5 Select and fit <i>emergency and personal protective equipment</i> in accordance with job requirements, <i>manufacturers' specifications</i>, <i>company requirements</i> and <i>relevant legislation</i> 1.6 Ensure operator holds appropriate licence in accordance with company requirements and other relevant legislation 1.7 Assess <i>landfill cell</i> to determine waste cover requirements 1.8 Identify and manage <i>potential risks and hazards</i> to job requirements in accordance with company requirements, OHS and other relevant legislation 1.9 Erect safety barriers and signage at work sites to ensure safety of surrounding personnel and public, in accordance with company requirements and relevant legislation
2 Perform routine checks on plant	2.1 Conduct a visual check of plant to pinpoint damage, leaks, obstructions, component wear or potential hazards 2.2 Test plant systems in accordance with manufacturers' specifications and company requirements 2.3 Conduct <i>service checks</i> to ensure water, oil, fuel, air pressure and greasing are maintained at appropriate levels in accordance with manufacturers' specifications 2.4 Check emergency and personal protective equipment to ensure correct operation 2.5 Check associated equipment to ensure its operational capacity is in accordance with

ELEMENT	PERFORMANCE CRITERIA
3 Start and operate plant	manufacturers' specifications 3.1 Start and operate plant in accordance with manufacturers' specifications and company requirements 3.2 Operate or drive plant in a safe and efficient manner in accordance with company requirements, road and traffic regulations and other relevant legislation 3.3 Maintain continuous observation of surrounding environment to identify and avoid or minimise potential hazards 3.4 Routinely monitor plant operation and gauges to determine operational functioning 3.5 Maintain clear communications with other relevant personnel
4 Cover waste	4.1 Cover <i>waste</i> safely and efficiently in designated area using appropriate <i>covering method</i> 4.2 Place an even and smooth <i>cover over waste batter</i>, in accordance with waste covering method, company requirements and relevant legislation 4.3 Ensure that waste covering method minimises cover erosion 4.4 Ensure that waste cover conforms to depth/thickness required, in accordance with company requirements and relevant legislation 4.5 Handle and place synthetic cover (when required) in accordance with manufacturers' specifications, company requirements and relevant legislation
5 Shut down and secure plant	4.6 Traverse cover repeatedly to ensure a smooth, tight, compacted surface 5.1 Complete shut-down procedures in accordance with manufacturers' specifications and company requirements 5.2 Park and/or store plant in a safe location to avoid damage to plant, obstruction of surrounding site activity, or unauthorised use 5.3 Carry out housekeeping to ensure <i>cleanliness of plant and associated equipment</i> 5.4 Conduct service checks to ensure water, oil, fuel, air pressure and greasing are maintained

ELEMENT**PERFORMANCE CRITERIA**

at appropriate levels in accordance with
manufacturers' specifications

5.5 Report any plant or equipment faults or defects
to relevant personnel

6 Document work activities

6.1 *Document* covering activities accurately and
promptly and in accordance with company
requirements and relevant legislation

Required Skills and Knowledge

Refer to Evidence Guide

Evidence Guide

EVIDENCE GUIDE

Critical aspects of competency

- Correct interpretation of job sheet and schedule.
- Determination of plant and equipment requirements.
- Organisation of plant and equipment.
- Organisation of stockpile of waste cover material.
- Selection of appropriate emergency and personal protective equipment requirements.
- Determination of waste cover requirements.
- Identification of potential risks and hazards to waste covering.
- Erection of required barriers and warning signs in work area.
- Visual check of plant and service checks.
- Basic housekeeping and maintenance to plant.

Knowledge needed to achieve the performance criteria

Knowledge and understanding are essential to apply this unit in the workplace, to transfer the skills to other contexts, and to deal with unplanned events. The knowledge requirements for this unit are listed below.

- Waste types.
- Types of waste cover materials, their uses and benefits.
- Waste management options.
- Potential risks and hazards to waste covering.
- Basic plant operation, capability and maintenance (e.g. dozer).
- Waste covering requirements.
- Techniques to minimise erosion of waste cover.
- Emergency response procedures.
- Company requirements.
- Environmental management plan.
- Occupational health and safety requirements.
- Duty of care in provision of services.
- Relevant industry standards.
- Relevant legislation.
- Relevant environmental regulations.
- OHS hierarchy of control.

Specific skills needed to achieve the performance criteria

To achieve the performance criteria, some complementary skills are required. These are:

- communication including interpersonal, listening, questioning, following instructions, giving information
- reading and interpreting schedules and work requirements
- plant operation (e.g. dozer)
- basic plant cleaning and maintenance (e.g. dozer)
- using communications equipment (two-way radio and mobile phone)
- reading graduated device
- hazard identification
- record keeping
- planning to undertake a routine task

- time management
- safe and efficient work practices
- working in confined spaces
- use of emergency and personal protective equipment
- following MSDS.

Other units of competency that could be assessed with this unit

This unit could be assessed on its own or in combination with other competencies relevant to the job function, for example:

- PRMWM20B Place and compact waste
- PRMCMN201A Participate in workplace safety arrangements
- PRMCMN301A Contribute to workplace safety arrangements
- BSBCMN215B Participate in environmental work practices
- BSBCMN313B Maintain environmental procedures.

Resources required to assess this unit

The following resources should be available:

- job sheet and schedule
- plant and equipment for waste covering
- cover materials
- waste for covering
- safety barriers and signage
- communications equipment
- PPE
- OHS requirements
- housekeeping materials
- MSDS
- site safety plan.

Gaining evidence to assess this unit

For valid and reliable assessment of this unit, the competency should be demonstrated over a period of time and be observed by the assessor (or assessment team working together to conduct the assessment). The competency is to be demonstrated in a range of situations, which may include customer/workplace interruptions and involvement in related activities normally experienced in the workplace.

Evidence of competency is best obtained by observing activities in this field and reviewing the covering of waste at a landfill site under normal industry operating conditions. If this is not practicable, observations in realistic simulated environments may be substituted.

Consistency in performance

Assessment requires that the plan meets the objectives of the client and that it complies 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 of a variety of waste requirements to assess competency in covering of waste process. Oral questioning or written assessment and hypothetical situations (scenarios) may be used to assess underpinning knowledge. (In assessment situations where the candidate is offered a preference between oral questioning and written audit, questions are to be identical.) Supplementary evidence may be obtained from relevant authenticated correspondence from existing supervisors, team leaders or specialist training staff.

Note: All practical demonstrations must adhere to the safety and environmental regulations relevant to each state or territory.

Key competency levels

There are a number of processes that are learnt throughout work and life which are required in all jobs. They are fundamental processes and generally transferable to other work functions. Some of these are covered by the key competencies, although others may be added. Information below highlights how these processes are applied in this competency standard.

- | | | |
|------------------------------|---|---|
| 1 Perform the process | 2 Perform and administer the process | 3 Perform, administer and design the process |
|------------------------------|---|---|

How can communication of ideas and information be applied?	1	Communicate clearly and effectively with relevant personnel throughout the process of covering waste.
How can information be collected, analysed and organised ?	1	Gather information from a number of sources (including job requirements, manufacturers' specifications and company requirements) about the covering of waste.
How are activities planned and organised ?	2	Plan and organise activities to cover waste in accordance with company requirements and relevant legislation.
How can teamwork be applied?	1	Work effectively with relevant personnel throughout the process of covering waste.
How can the use of mathematical ideas and techniques be applied?	1	Use correct mathematical calculations to conduct service checks.
How can problem-solving skills be applied?	1	Discuss possible problems and solutions that may arise throughout the covering of waste process.
How can the use of technology be applied?	1	Demonstrate understanding of technological principles and physical skills to use appropriate equipment.

Range Statement

RANGE STATEMENT

The range statement links the required knowledge and organisational and technical requirements to the workplace context. It describes any contextual variables that will be used or encountered when applying the competency in work situations. It allows for different work practices and work and knowledge requirements as well as for differences between organisations and workplaces. The following variables may be present for this particular unit. **Cleaning of equipment** may include high pressure water or air-hosing, shovelling, sweeping out, use of decontamination products and vacuuming.

Company requirements are found in briefing documents, letters, quality assurance documents, tender/contract documents and verbal or written instructions.

Cover materials include low permeability materials (e.g. clay), soil and synthetic membranes.

Cover types may include daily, intermediate and final.

Covering of the batter occurs upon the completion of placement and compacting operations at the end of each day. During wet weather covering may not be possible.

Covering methods may include bulldozing, dumping, pushing, regular traversing of cell and use of roller.

Documentation includes but is not limited to:

- accident report
- checklists
- emergency report
- equipment used
- incident report
- job card
- maintenance requirements
- non-conformances
- vehicle logbook.

Emergency and personal protective equipment must include:

- appropriate footwear
- communications equipment
- eye protection
- eyewash kit
- fire extinguishers
- First Aid kit
- gloves
- overalls and protective clothing.

Emergency and personal protective equipment could also include:

- breathing apparatus
- emergency procedure guides
- face shield/mask
- hard hat
- hearing protection
- material safety data sheets (MSDS)
- spill kit.

Emergency response action/procedures include but are not limited to:

- clean up
- contain emergency
- equipment/plant isolation and shut-down
- evacuation
- First Aid
- make safe
- notification of authorities
- use of appropriate personal protective equipment.

Job sheet and schedule may include:

- cover materials required for covering activities
- details of special burials (including waste type, classification, and characteristics)
- emergency and personal protective equipment requirements
- landfill development sequence
- site requirements
- vehicle and associated equipment requirements
- work schedule.

Landfill cell assessment may include accessibility due to weather or ground conditions, cover material requirements for batter and stage of landfill development.

Manufacturers' specifications are found in equipment specifications and operator manuals.

Performance of this unit is carried out in accordance with relevant requirements of the following:

- Australian Standards
- environmental regulations
- legislative requirements
- manufacturers' specifications
- organisational procedures
- relevant state/territory regulations.

Personal protective equipment required will be stored, maintained and worn/fitted in accordance with company requirements and occupational health and safety and other legislation.

Plant may include dozer, earthmoving equipment, forklift, trucks (rigid and articulated) and roller.

Potential risks and hazards are those risks and hazards identified by the organisation that could lead to injury or illness of employees, contractors, visitors or the public; damage to plant, vehicles or property; or that could cause harm to the environment.

This relates to on-site and off-site activities (whether company owned or occupied premises, customer/client premises or public property) over which it could be expected the organisation had control.

Relevant legislation and codes cover state and federal:

- Australian Code for the Transport of Dangerous Goods by Road or Rail
- duty of care
- industry codes of conduct
- occupational health and safety
- Australian Standards
- environmental protection legislation
- road laws.

Safe operating procedures include any activity or operation conducted on site to ensure health and safety of personnel/equipment in the area.

Service checks may include air pressure, air-conditioner, fuel, horn, lights, lubrication, oil, tyre pressure and water.

Wastes may include:

- chemical waste
- construction and demolition
- green waste
- hazardous waste
- municipal waste
- prescribed waste
- putrescibles
- regulated waste
- solid inert.
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Unit Sector(s)

Not Applicable