



Australian Government

Department of Education, Employment and Workplace Relations

PRMWM25B Monitor contained waste

Release: 1

PRMWM25B Monitor contained waste

Modification History

Not Applicable

Unit Descriptor

Unit descriptor

This unit of competency describes the monitoring of long-term waste containment and storage. Waste types will generally be regulated (prescribed) solid and liquid wastes.

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 monitoring of contained waste	1.1 Identify <i>contained waste monitoring requirements</i> in accordance with <i>waste type, length of storage, company requirements, manufacturers' specifications</i> and <i>relevant legislation</i> 1.2 Select <i>appropriate monitoring equipment</i> in accordance with contained waste monitoring requirements, company requirements and relevant legislation 1.3 Identify and manage <i>potential risks and hazards</i> to job requirements in accordance with company requirements, OHS and other relevant legislation 1.4 Select and fit <i>emergency and personal protective equipment</i> in accordance with job requirements, manufacturers' specifications, company requirements and relevant legislation
2 Check waste containment	2.1 <i>Check integrity of waste containment</i> to ensure no leakage of waste 2.2 Conduct stocktake of waste to confirm recorded stock levels 2.3 Organise <i>testing</i> of waste containment in accordance with manufacturers' specifications company requirements and relevant legislation
3 Check storage facility	3.1 Check <i>storage facility</i> to ensure no <i>contamination</i> in the area in accordance with company requirements and relevant legislation 3.2 Secure storage facility to prohibit unauthorised access in accordance with company requirements and relevant legislation 3.3 Organise testing of waste storage facility in accordance with manufacturers' specifications, company requirements and relevant legislation
4 Document monitoring activities	4.1 Document all details of contained waste monitoring accurately and promptly 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 determination of monitoring requirements.
- Effective organisation and monitoring of contained waste storage.
- Correct determination of monitoring equipment requirements.
- Correct selection of appropriate emergency and personal protective equipment requirements.
- Accurate identification of potential risks and hazards to waste monitoring.

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 and long-term storage requirements.
- Potential risks and hazards of waste storage.
- Potential risks and hazards of waste monitoring.
- Monitoring methods and tests.
- Indicators of leakage and contamination.
- Security requirements for waste storage facility.
- Emergency response procedures.
- Company requirements.
- 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:

- following instructions, giving information and writing
- reading and interpreting work requirements
- use of monitoring equipment
- materials handling skills
- identification of waste types
- hazard identification
- safe and efficient work practices
- 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:

- PRMCMN201A Participate in workplace safety arrangements
- PRMCMN301A Contribute to workplace safety arrangements
- BSBCM215B Participate in environmental work practices

- BSBCM313B Maintain environmental procedures.

Resources required to assess this unit

The following resources should be available:

- contained waste for monitoring
- monitoring equipment
- personal protective equipment
- MSDS
- OHS requirements
- monitoring requirements
- 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 the field and reviewing the monitoring of contained waste under normal industry operating conditions. If this is not practicable, observations in realistic simulated environments may be substituted.

Consistency in performance

Assessment requires that strategies meet the objectives of clients and comply with industry expectations in the particular client environment. If the environment is narrowly defined or is not representative of industry needs, it will be necessary to assess the unit within a variety of waste management environments or different client needs to assess competency in the monitoring of contained waste storage.

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 that 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.

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|------------------------------|---|---|
| 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 aspects of the monitoring of contained waste.
How can information be collected, analysed and organised ?	2	Gather information from a number of sources (including job requirements, manufacturers' specifications and company requirements) about monitoring contained waste.
How are activities planned and organised ?	2	Plan and organise activities to monitor contained 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 and client contact.
How can the use of mathematical ideas and techniques be applied?	1	Use and document correct mathematical calculations.
How can problem-solving skills be applied?	1	Discuss possible problems and solutions that may arise throughout the monitoring of contained waste processes.
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.

Appropriate monitoring equipment may include sampling equipment and testing equipment.

Checking integrity of waste containment should include checks for contamination, drum expansion, gases, leaching, leaks, seals, spillage and unstable form.

Company includes all forms of business enterprises in this context including local governments/councils.

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

Contained waste monitoring requirements may include checks for integrity of containment, compliance with relevant legislative requirements, sampling, security of storage facility and testing.

Contamination may include exposure to sunlight, mixing with other waste types, rot or mould, vermin infestation and waterlogging.

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.

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.

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.

Regulated (or prescribed) waste includes all waste declared to be so by the relevant environmental protection authority.

Relevant legislation and codes cover state and federal:

- duty of care
- industry codes of conduct
- occupational health and safety
- Australian Standards
- environmental protection legislation.

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

Storage facility may include:

- bunded area
- bunker
- compactor
- containers
- hopper
- pit
- tank
- warehouse.

Testing may include visual checks on contamination, gases, humidity, leaks, litter, pressure and temperature.

Waste storage requirements may include:

- access to storage facility
- amount of waste to be stored
- emergency and personal protective equipment
- environmental conditions
- equipment
- length of storage
- method of storage
- potential risks and hazards of storage
- security
- signage
- storage equipment
- waste compatibilities.

Waste types include:

- solid (non-hazardous) e.g. construction and demolition
- liquid (non-hazardous) e.g. chemical and aqueous
- hazardous - regulated, prescribed, quarantined, medical and clinical
- recoverable resources e.g. recyclable and green waste.

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Unit Sector(s)

Not Applicable