



Australian Government

Department of Education, Employment and Workplace Relations

CPPWMT4022A Monitor waste disposal sites

Release: 1

CPPWMT4022A Monitor waste disposal sites

Modification History

Revised unit

Unit updated and equivalent to PRMWM22B Monitor disposal site

Slight change of title to clarify industry context

Unit Descriptor

This unit of competency specifies the outcomes required to monitor a waste disposal site. This includes monitoring access roads, landfill cells and surrounding areas. It requires the ability to organise activity and apply safe work practices.

Application of the Unit

This unit of competency supports individuals with responsibilities for conducting waste management activity, often as a team leader or in a supervisory capacity. 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

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|---|---|---|
| 1 | Organise for monitoring. | <p>1.1 <i>Monitoring requirements</i> to be undertaken on <i>waste site</i> are identified from <i>organisational requirements</i> and <i>legislation and codes</i>.</p> <p>1.2 <i>Special testing requirements</i> are determined and incorporated into job requirements.</p> <p>1.3 Required tools, <i>equipment</i> and <i>materials</i> are obtained and checked to ensure safe and efficient operation.</p> <p>1.4 Monitoring requirements and work tasks are communicated to relevant personnel.</p> <p>1.5 Equipment and materials are allocated to appropriate personnel.</p> <p>1.6 <i>Supervisory processes</i> and checks and measures are implemented to ensure work is completed within <i>time available</i>.</p> <p>1.7 <i>Potential hazards and risks</i> are identified and managed according to organisational requirements, and occupational health and safety (OHS) regulations and other legislation and codes.</p> <p>1.8 <i>Emergency and personal protective equipment</i> (PPE) is selected and fitted according to job requirements, manufacturer specifications, organisational requirements and legislation and codes.</p> |
| 2 | Monitor batters, landfill cells and drainage systems. | <p>2.1 Covered batters, cells and <i>drains</i> are checked to ensure integrity of form and shape, and absence of erosion, flooding, <i>leachate</i> or vermin.</p> <p>2.2 Drainage systems and grease traps are monitored to</p> |

- detect **contamination** and blockages and to determine drainage flow and characteristics.
- 2.3 Sample of drainage liquid is taken to determine contamination level and characteristics according to organisational requirements and legislation and codes.
- 3 Monitor waste and surrounding environment.
- 3.1 Olfactory tests are organised to determine level of odour at waste site and surrounding environment, and to ensure compliance with organisational requirements and legislation and codes.
- 3.2 Tests to monitor noise levels are organised at waste site, according to organisational requirements and legislation and codes.
- 3.3 Tests to monitor gases at waste site are organised according to organisational requirements and legislation and codes.
- 3.4 Condition of fences, roads, signs and other infrastructure is monitored to determine maintenance requirements according to organisational requirements.
- 3.5 **Documentation** is completed according to organisational requirements.

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
 - segregate valuable resources
- oral communication skills to:
 - ask questions
 - listen actively
 - provide information
 - give directions
- literacy skills to:
 - label
 - report on waste segregation outcomes
 - read and interpret:
 - job sheets
 - graduated devices
 - work requirements and material safety data sheets (MSDS)
- interpersonal skills to:
 - work in a team environment
 - lead teams
 - provide guidance
- self-management skills to:
 - apply signalling techniques
 - conduct work practices safely and efficiently
 - handle waste non-conformances
 - organise work methodically
 - use emergency and PPE
- material handling skills to:
 - identify opportunities for resource recovery
 - cover and compact waste and roads
- technical skills to facilitate:
 - plant and equipment operation, including computer operation and problem solving
 - basic cleaning and maintenance of plant and equipment

- selection of plant and equipment
- planning and initiative skills to supervise teams, including:
 - providing guidance
 - demonstrating functions associated with disposal site
 - planning and problem solving in tasks

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
 - drainage systems
 - sample tests
- procedures for containing segregated waste types, including containment and isolation of hazardous waste
- potential hazards and risks relating to:
 - disposal sites
 - emergency response procedures
- waste management provision, including:
 - client requirements
 - duty of care
 - organisational requirements
 - reporting requirements
 - waste management options
 - waste management hierarchy
 - waste site management plan
- OHS requirements relating to:
 - dangerous goods and hazardous substances
 - OHS hierarchy of control
 - emergency response procedures
- principles of supervision, including:
 - leading by example
 - providing or organising training
 - establishing work plans
 - monitoring work activity and team outputs

- establishing effective communication channels
- plant, equipment and materials to facilitate:
 - operation of plant and equipment
 - cleaning and maintenance of plant and equipment
 - plant shut-down, lock-out and isolation 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	This unit of competency could be assessed by observing practical demonstration in the workplace, or in a simulated environment, of the monitoring of a waste disposal site.
Critical aspects for assessment and evidence required to demonstrate competency in this unit	A person who demonstrates competency in this unit must be able to provide evidence of the required skills and knowledge specified in this unit. In particular the person should demonstrate the ability to: • identify monitoring requirements, including special tests • recognise potential hazards and risks to monitoring activities • monitor landfill cells, drainage systems and landfill environment • observe OHS requirements.
Context of and specific resources for assessment	Assessment of essential underpinning knowledge may be conducted in an off-site context. It is to comply with relevant regulatory or Australian standards' requirements. Resource implications for assessment include: • work plans and approved specifications • forms and procedures manuals.
Method of assessment	Monitoring a disposal site 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 monitoring of a disposal site. Assessment methods must: • 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

	of appropriate assessment support. 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. This unit could be assessed on its own or in combination with other units relevant to the job function, for example: • CPPCMN3001B Participate in environmentally sustainable work practices • CPPCMN4007A Manage workplace safety arrangements • CPPWMT3023A Maintain waste disposal sites.
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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.

<i>Monitoring requirements</i> may include checks on:	• air emissions • drainage systems • ground water • landfill cells • landfill environment: • gases • noise • odour • special requirements.
<i>Waste site</i> may include:	• landfill • materials recovery facility • processing plant • transfer station • treatment plant • waste generator site.
<i>Organisational requirements</i> may include information found in:	• briefing papers • job sheets • letters • memos • operations manuals • policy and procedures documents • quality assurance documents • site development plans • tender and contract documents • training materials • verbal or written instructions • work procedures.
<i>Legislation and codes</i> may include:	• codes, including: • Australian Code for the Transport of Dangerous Goods by Road and Rail • industry • commonwealth, state and territory legislation, including: • anti-discrimination • environmental protection

	• equal employment opportunity • freedom of information • industrial • OHS • trade practices • road laws.
Special testing requirements may include:	• organising specialists • scheduling • sampling.
Equipment may include:	• barriers and warning signs • communications equipment • compactors • computer and associated hardware and software • conveyors • dozers • earthmoving equipment • forklifts • generators • hoses • lawnmowers • lifting equipment • loadshifting equipment • pumps • safety barriers and signage • sampling equipment • scales • scrapers • skips • sorting tables • storage container • testing equipment • tractor • trucks: • articulated • rigid • vacuums • waste containers • weighbridge.
Materials may include:	• cell cover materials • cleaning fluids • cleaning rags

	• fertiliser • fuel • fuses • globes • gravel for wet weather tipping areas • lawn seed • lubricants • oil • pesticides • plant protection covers • plants • road repairing materials, including: • compacted materials • dirt • gravel • sand • water.
Supervisory processes may include:	• delegating • implementing • monitoring • overseeing • planning • reviewing • targeting practices to meet deadlines.
Time available may include considering:	• client instructions • contingencies • past experiences • skills and experience of operatives • location of project • methods to be employed • resources and equipment to be used.
Potential hazards and risks are those identified by the organisation that may lead to:	• 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.
Potential hazards and risks may include:	• broken glass • broken metal • compaction equipment • contamination • dust • 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.
Emergency and personal protective equipment must include:	• communications equipment • eye protection, such as goggles and protective glasses • eyewash kit • fire extinguishers • first aid kit • footwear • gloves • overalls and protective clothing.
Emergency and personal protective equipment could also include:	• breathing apparatus • emergency procedure guides • face shields or masks • hard hats • hearing protection • MSDS • spill kit.
Personal protective equipment must be:	• cleaned and fitted according to organisational requirements, manufacturer specifications and OHS requirements • worn when required according to organisational requirements • stored according to organisational requirements.
Drains may include:	• grease traps • groundwater cut-off drains • leachate collection system drains • silt traps.
Leachate may include:	• dissolved and suspended material • liquid that drains or leaches from a landfill.
Contamination may include:	• exposure to sunlight • infestation • mixing with other waste types • rot or mould • waterlogging.
Documentation may include recording:	• checks completed • defects identified

	• faults serviced • housekeeping undertaken • materials used • parts replaced • repairs and adjustments made.
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Unit Sector(s)

This unit of competency supports individuals with responsibilities for conducting waste management activity, often as a team leader or in a supervisory capacity. It includes contributing to the implementation of developed operational procedures, as well as recognising the need for expert advice.

Custom Content Section

Not applicable.