



Australian Government

Department of Education, Employment and Workplace Relations

CPPWMT2048A Prepare work areas for waste sorting

Release: 1

CPPWMT2048A Prepare work areas for waste sorting

Modification History

New unit
No equivalent unit

Unit Descriptor

This unit of competency specifies the outcomes required to prepare the work area for the sorting of waste. It requires understanding of waste sorting processes in order to organise and implement activity.

Application of the Unit

This unit of competency supports individuals in a waste sorting facility. It includes following direction to implement developed strategies, systems and plans, as well as recognising the need for supervision.

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 sorting. | 1.1 | <i>Job sheet</i> is reviewed to identify <i>waste recovery requirements</i> and <i>waste sorting site</i> . |
| | | 1.2 | <i>Plant, equipment, materials</i> and requirements for safe, efficient waste sorting are identified and organised. |
| | | 1.3 | <i>Emergency and personal protective equipment</i> (PPE) is selected, fitted and checked according to work requirements, manufacturer specifications, <i>organisational requirements</i> and <i>legislation and codes</i> . |
| | | 1.4 | <i>Potential hazards and risks</i> are identified and reported to <i>appropriate person</i> according to organisational requirements, occupational health and safety (OHS) regulations and relevant legislation and codes. |
| | | 1.5 | Equipment for sorting waste safely and efficiently is selected and obtained. |
| 2 | Identify waste to be sorted. | 2.1 | <i>Waste types</i> are identified for sorting and absence of <i>non-conforming waste streams</i> is confirmed. |
| | | 2.2 | Set-up of sorting site is organised according to organisational requirements and relevant legislation and codes to ensure safe and effective sorting of waste. |

Required Skills and Knowledge

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

Required skills

- analytical skills to identify waste types and waste non-conformances
- interpersonal skills to:
 - liaise with staff members
 - work in a team environment
- oral communication skills to:
 - ask questions
 - follow instructions
- reading skills to interpret:
 - job sheets
 - work requirements and material safety data sheets (MSDS)
- problem-solving skills to identify hazards and risks
- self-management skills to:
 - prioritise duties
 - conduct work practices safely and efficiently
 - use emergency and PPE
 - execute routine tasks
 - organise work methodically
- written communication skills for record keeping

Required knowledge

- identification of:
 - waste non-conformances
 - waste types, streams and characteristics
 - waste processing plant types
- 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
- emergency response procedures to facilitate:
 - sorting set-up techniques
 - operation of waste processing plant and equipment
 - basic cleaning and maintenance of plant and equipment

- plant shut-down, lock-out and isolation procedures
- potential hazards and risks relating to:
 - waste sorting
 - containment and segregation techniques
 - emergency response procedures
- service requirements, including:
 - client requirements
 - duty of care
 - organisational requirements
 - reporting requirements
 - waste management options
 - waste management hierarchy

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 preparing work area for the sorting of waste.
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 and organise plant, equipment and materials required for sorting waste • identify potential hazards and risks to operation, and select emergency and PPE • set up sorting site.
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: • client requirements for workplace portfolio case studies, if required • work plans and approved specifications • forms and procedures manuals • reports.
Method of assessment	The process of setting up sorting sites 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 preparation of work area for sorting. 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: • CPPWMT3044A Identify wastes and hazards.

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>Job sheet</i> typically includes:	• emergency and PPE requirements • equipment requirements • personnel requirements • plant operation requirements • potential hazards and risks • reporting requirements • site requirements • waste types to be processed • work schedules.
<i>Waste recovery requirements</i> may include:	• access to storage facility and recovery site • emergency and PPE • legislative requirements for recovery • potential hazards and risks of recovery • recovery equipment • security • signage • technical analysis • waste compatibilities.
<i>Waste sorting site</i> may include:	• composting facility • landfill site • materials recovery facility • transfer station • treatment site • waste generator site.
<i>Plant</i> may include:	• autoclaves • balers • bobcats • boilers • bunded areas • centrifuges • chippers • combustion • compactors • composters • computer hardware and software

	• conveyors • crushers • dozers and associated earthmoving equipment • forklifts • hammer mills • incinerators • loaders: • front-end • rear-end • tailgate • materials recovery facility • microwaves • pipes • processing plants, including size-reduction processing plant • safety structures and controls • separators • shredders • sorters • storage tanks • tankers • transfer station • treatment plants, including: • biological treatment plant • chemical treatment plant • liquid waste treatment plant • microwave treatment plant • physical treatment plant • treatment tanks • trucks: • articulated • open-bodied • rigid • tub grinders.
Equipment may include:	• barriers and warning signs • communications equipment • compactors • conveyors • generators • hoses • lifting equipment • loadshifting equipment

	• PPE • pumps • recording equipment • sampling equipment • scales • skips • sorting tables • storage containers • tools • trailers • trolleys • vacuums • weighbridge • waste containers.
Materials may include:	• cleaning chemicals • cleaning rags • consumables • cover materials • fuels • lubricants • office requisites • oils • road maintenance materials • treatment and processing chemicals • water.
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 • material safety data sheets • spill kit.
Personal protective	• cleaned and fitted according to organisational requirements,

equipment must be:	- manufacturer specifications and OHS requirements - worn when required according to organisational requirements - stored according to organisational requirements.
Organisational requirements may include information found in:	- briefing papers - job sheets - letters - memos - operations manuals - quality assurance documents - tender and contract documents - verbal or written instructions - work procedures.
Legislation and codes 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.
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.
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.
Appropriate person may include:	• supervisor • team leader • team member.
Waste types may 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.
Non-conforming waste streams may include:	• contamination • hazardous or dangerous waste • inferior quality and unacceptable waste streams.

Unit Sector(s)

Waste management

Custom Content Section

Not applicable.