



Australian Government

Department of Education, Employment and Workplace Relations

CPPWMT2047A Assist with resource recovery

Release: 1

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Modification History

New unit
No equivalent unit

Unit Descriptor

This unit specifies the outcomes required to assist with resource recovery activities. It requires the ability to work under direction and to assist with resource recovery as part of an organisation's waste management strategies. It includes contributing to the implementation of developed operational procedures and an organisation's waste management strategies.

Application of the Unit

This unit of competency supports individuals responsible for assisting in waste management activities. Individuals undertaking activities detailed in this unit will work under direct 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 | Prepare to assist in resource recovery operation | 1.1 | Directions for the resource recovery operation are received and checked with supervisor. |
| | | 1.2 | Potential hazards and risks are identified and reported according to organisational requirements , and occupational health and safety (OHS) regulations and other legislation and codes . |
| | | 1.3 | Recovery site is monitored to ensure compliance with recovery instructions, containment of waste within designated recovery area, and adequate access and availability of space for recovery. |
| | | 1.4 | Resources for recovery are sorted in waste streams . |
| | | 1.5 | Hazardous waste is identified and contained according to organisational requirements, and OHS regulations and other legislation and codes. |
| | | 1.6 | Non-conforming waste is segregated and properly contained prior to disposal. |
| | | 1.7 | Segregated waste is inspected under the guidance of appropriate personnel to ensure compliance with resource recovery requirements. |
| 2 | Assist with shut-down and clean up area. | 2.1 | Equipment is shut down according to organisational procedures and within limits of own responsibility. |
| | | 2.2 | Work area and equipment are cleaned to ensure safe and effective future operation, according to organisational requirements. |
| | | 2.3 | Emergency and personal protective equipment (PPE) is checked for damage prior to ensuring that clean and undamaged equipment is stored. |
| | | 2.4 | Damaged equipment is rectified where possible or reported according to organisational requirements. |

Required Skills and Knowledge

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

Required skills

- oral communication skills to:
 - ask questions
 - follow instructions
 - provide information
- self-management skills to:
 - prioritise duties
 - conduct work practices safely and efficiently
 - identify hazards and risks
 - plan to undertake routine tasks
 - use emergency and PPE
 - work in confined areas
- literacy skills to:
 - report on resource recovery outcomes
 - keep records and documentation
 - read and interpret:
 - job sheets
 - work requirements and material safety data sheets (MSDS)
- analytical skills to:
 - segregate waste types, including potentially hazardous waste
 - segregate valuable resources in composite materials

Required knowledge

- basic knowledge of plant and equipment in order to select, operate and clean it
- basic understanding of service requirements for resource recovery, including:
 - client requirements
 - duty of care
 - organisational requirements
 - reporting requirements
 - waste management options
 - waste management hierarchy
- resource recovery options relating to:
 - valuable resources within materials
 - potential resources to be recovered

- timeframe to recover resources
- waste types, streams and characteristics
- legislation, environmental regulations and industry standards
- procedures for containing segregated waste types, including containment and isolation of hazardous waste
- OHS requirements relating to:
 - OHS hierarchy of control
 - potential hazards and risks in waste segregation and resource recovery
 - emergency response procedures
- basic understanding of environmental issues relating to:
 - biodiversity
 - climate change
 - composting
 - conservation
 - eco-products
 - environmental regulations
 - life cycle of products: re-new, re-use and recycle
 - renewable energy

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 is ideally assessed in the workplace while participants are undertaking resource recovery activities.
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: • assist with waste recovery activity requirements through observation, and by following job sheets and work plans • organise work areas and conduct waste recovery • apply OHS requirements.
Context of and specific resources for assessment	Assessment of essential underpinning knowledge may be conducted in an off-site context. Resource implications for assessment include: • job sheets, work plans and approved specifications • waste assessment forms and results • waste generator's report on waste types and volumes • organisational policies, procedures, forms and procedure manuals.
Method of assessment	The process of assisting with resource recovery 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 resource recovery. 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 verbal and written 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. This unit could be assessed on its own or in combination with other

	units of competency relevant to the job function. For example: • CPPCMN3001B Participate in environmentally sustainable work practices • CPPWMT3044A Identify wastes and hazards.
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.

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>Potential hazards and risks</i> 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.
<i>Hazards and risks</i> may include:	• biological waste • broken glass • broken metal • compaction equipment • contamination • debris • 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.
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.
Resources for recovery may include:	• gases, including methane • metals • plastics • paper, cardboard and associated products • reusable liquids, including cooking oils.
Waste stream may include:	• construction and demolition waste • dangerous goods • green waste • hazardous substances • municipal waste.
Hazardous waste may include:	• all waste depending on the condition, environment and personal exposure • biological products • blood products • broken metal • chemicals • electrical wiring • gases or fumes

	• glass • hospital waste • leaking containers • needles and syringes • oil and petrol.
Non-conforming waste may include:	• contamination • hazardous material and dangerous wastes • inferior quality and unacceptable waste streams.
Segregated waste may include:	• chemical waste • construction and demolition material • dangerous goods • green waste • hazardous waste • municipal waste • prescribed waste • putrescibles • quarantine waste • recyclable liquid • regulated waste • solid inert waste.
Work area may include:	• landfill • materials-recovery facility • processing plant • transfer station • treatment plant • waste generator site.
Emergency and personal protective equipment must include:	• communications equipment • eye protection, such as goggles and protective glasses • eyewash kit • fire extinguisher • first aid kit • footwear • gloves • overalls and personal 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.

<i>Personal protective equipment</i> must be:	• cleaned and fitted according to organisational requirements, manufacturer specifications and OHS requirements • worn according to organisational requirements • stored according to organisational requirements.
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Unit Sector(s)

Waste management

Custom Content Section

Not applicable.