



**Australian Government**

# **CPPWMT3002 Conduct waste resource recovery**

**Release: 1**

# CPPWMT3002 Conduct waste resource recovery

## Modification History

Release 1 This version first released with CPP Property Services Training Package Release 10.0.

Supersedes but is not equivalent to:

- CPPWMT3014A Manually sort waste.
- CPPWMT3019A Prepare waste for re-use.
- CPPWMT3046A Conduct resource recovery.

## Application

This unit specifies the skills and knowledge required to recover resources from waste streams. It includes sorting waste according to waste pathways, identifying and segregating waste products able to be re-used, collating waste resources using mechanical separation technologies, and storing and monitoring recovered resources to maintain quality and product integrity.

A person who achieves this unit of competency is expected to take responsibility for completing these tasks with a high degree of self-direction.

This unit forms part of the licensing requirements for operating plant and equipment used in waste management. For further information, check with the relevant regulatory authority.

## Pre-requisite Unit

Nil.

## Unit Sector

Waste management

## Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe what needs to be done to demonstrate achievement of the element.

- |                                       |                                                                                                                          |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| 1 Prepare to recover waste resources. | 1.1 Review job schedule to confirm work activities for waste resource recovery and clarify issues with relevant persons. |
|                                       | 1.2 Review workplace policies and procedures and work health and safety (WHS) requirements for waste                     |

- recovery and apply to work tasks.
- 1.3 Select, check and use personal protective equipment appropriate for work activities.
  - 1.4 Identify hazards and risks associated with work activities and implement required controls according to WHS requirements.
  - 1.5 Set up waste sorting areas according to workplace requirements.
  - 1.6 Conduct pre-start and basic maintenance checks, following manufacturer instructions, of plant and equipment required to sort and separate waste.
- 2 Identify and separate resources from waste.
- 2.1 Identify and segregate waste according to waste pathways and identify waste products able to be recovered.
  - 2.2 Operate plant and equipment to sort and collate waste resources according to waste types.
  - 2.3 Place separated waste into fit-for-purpose containers or areas according to workplace requirements.
  - 2.4 Monitor waste containment to ensure adequate available storage.
- 3 Store and monitor waste product and calculate charges.
- 3.1 Store recovered waste products ensuring quality is maintained and contamination prevented.
  - 3.2 Monitor containment to ensure integrity of waste containers.
  - 3.3 Calculate waste product charges according to workplace requirements.
- 4 Finalise resource recovery and complete documentation.
- 4.1 Shut down and secure plant and equipment following manufacturer instructions.
  - 4.2 Dispose of waste products not claimed within designated holding period according to workplace requirements.

- 4.3 Complete recovery documentation according to workplace requirements.
- 4.4 Clean and maintain sorting site, plant and equipment according to workplace requirements.

## Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

## Unit Mapping Information

Supersedes but is not equivalent to:

- CPPWMT3014A Manually sort waste.
- CPPWMT3019A Prepare waste for re-use.
- CPPWMT3046A Conduct resource recovery.

## Links

Companion volumes to this training package are available at the VETNet website - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6f3f9672-30e8-4835-b348-205dfcf13d9b>

# Assessment Requirements for CPPWMT3002 Conduct waste resource recovery

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## Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria of this unit by conducting waste resource recovery operations on two separate occasions.

## Knowledge Evidence

To be competent in this unit, a candidate must demonstrate knowledge of:

- circular economy and objectives to maximise value from resources in the economy
  - legislative and procedural requirements applicable to waste resource recovery and relevant to the workplace:
  - commonwealth, state and territory legislation and regulations in the state or territory of operation including work health and safety (WHS)
  - environmental protection
- procedures for setting up sorting sites
- resource recovery options
- techniques for collating waste resources using mechanical separation technologies
- types of facilities that process recovered resources:
  - material recovery facilities
  - alternative waste treatment facilities
  - recycling facilities
  - garden organics processing facilities
- types of materials that can be recovered from waste and re-used or processed by recycling, composting and waste-to-energy generation
- types of non-conforming waste relevant to operational requirements of workplace:
  - contaminated waste
  - inferior quality and unacceptable waste streams
- typical hazards encountered when sorting and separating waste

- waste hierarchy and the importance of waste avoidance and resource recovery
- waste types and pathways
- workplace policies and procedures for conducting waste resource recovery:
  - documentation and reporting
  - WHS:
    - hazard identification, risk assessment and control using the hierarchy of control
    - injury, dangerous occurrence and incident reporting
    - personal protective equipment.

## **Assessment Conditions**

Assessors must meet the requirements for assessors contained in the Standards for Registered Training Organisations.

Assessment must be conducted in the workplace or in a simulated workplace using realistic workplace conditions, materials, activities, responsibilities, procedures, safety requirements and environmental considerations.

Candidates must have access to workplace policies and procedures, job schedules, documentation, waste, plant and equipment required to achieve the performance evidence.

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