Australian Government

Department of Education, Employment and Workplace Relations

CPPWMT4027A Select and obtain waste management plant, equipment and materials

Release: 1

INDUSTRY SKILLS COUNCILS
Creating Australia's Future

CPPWMT4027A Select and obtain waste management plant, equipment and materials

Modification History

Revised unit
Unit updated and equivalent to PRMWM27B Select and obtain waste management plant, equipment and materials

Unit Descriptor

This unit of competency specifies the outcomes required to select and obtain all types of waste management plant, equipment and materials and to conduct associated procurement procedures. It requires the ability to analyse practices and develop strategies by working effectively with clients.

Application of the Unit

This unit of competency supports individuals with supervisory responsibilities for developing waste management strategies. It includes contributing to the implementation of developed strategies, systems and plans, 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

1	Identify services to be provided.	1.1	***Client requirement*** is determined and services to be provided are detailed in the ***waste management plan*** or business plan and organisational marketing strategy.
		1.2	Classification of types of waste management services to be offered are prepared and reviewed against ***plant***, equipment and ***material*** needs.
		1.3	Equipment and supplies are allocated to appropriate personnel and ***supervisory processes***, and checks and measures are implemented to ensure work is completed within ***time available***.
2	Determine performance characteristics of plant, equipment and materials.	2.1	Performance of plant, equipment and materials is specified against type of services provided.
		2.2	Performance ***characteristics*** are checked to ensure compliance against ***legislation and codes***.
		2.3	Fitness for purpose of plant, equipment and materials is determined based on product specifications.
		2.4	Maintenance, repair costs, downtime and life expectancy are established.
		2.5	Health and safety performance requirements of ***emergency and personal protective equipment*** (PPE) are identified from manufacturer specifications.
3	Ensure access to plant, equipment and materials.	3.1	Owned, hired and leased plant and equipment are maintained in line with budgetary constraints and usage patterns.
		3.2	Business relationships with suppliers are maintained

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			according to legislative and organisational requirements.
		3.3	Sources of supply are maintained to optimise stock levels.
		3.4	Rights to proprietary plant and equipment are negotiated with suppliers.
4	Maintain up-to-date information on industry plant, equipment and materials.	4.1	Business network is maintained in order to access regular and useful information.
		4.2	Knowledge of regulatory and standard authorities is maintained and arrangements are made for receipt of publications.

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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
- basic numeracy skills to compare waste management service rates
- interpersonal skills to:
    - work in a team environment
    - lead teams
- 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, equipment and materials
- reading skills to interpret:
    - job sheets
    - work requirements and material safety data sheets (MSDS)
- self-management skills to:
    - conduct work practices safely and efficiently
    - organise work methodically
    - use emergency and PPE
    - use information technology to complete tasks
- oral communication skills to:
    - ask questions
    - listen actively
    - consult
    - provide directions
    - negotiate purchase and finance arrangements
- planning and initiative skills to supervise teams, including:
    - providing guidance
    - demonstrating functions associated with equipment processes
    - planning and problem solving in tasks
- written communication skills for:
    - record keeping
    - documentation

Required knowledge

- occupational health and safety (OHS) requirements relating to:
  - dangerous goods and hazardous substances
  - OHS hierarchy of control
  - potential hazards and risks to waste management plant, equipment and materials
  - emergency response procedures
- 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
- principles of supervision, including:
  - leading by example
  - providing or organising training
  - establishing work plans
  - monitoring work activity and team outputs
  - establishing effective communication channels
- regulations and standards affecting:
  - establishing plant
  - equipment and materials used in the waste management industry
  - plant equipment
  - providing or organising training
- waste management provision, including:
  - client requirements
  - duty of care
  - organisational requirements
  - reporting requirements
  - business methods and operations
  - waste management options
  - waste management hierarchy
  - waste site management plan
  - industry standards

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 the practical demonstration in the workplace, or relaying in discussion, appropriate processes to select and obtain waste management plant, equipment and materials.
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 services to be provided from business plan • identify plant, equipment and materials required for waste management service • assess performance characteristics of plant, equipment and materials • secure availability of plant, equipment and materials.
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	Selecting and obtaining waste management plant, equipment and materials 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 selection and procurement of plant, equipment and materials. 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.

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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: • CPPCMN4004B Facilitate effective client relationships • CPPWMT4030A Determine waste management services • CPPWMT4032A Inform and educate clients on waste management issues • CPPWMT5033A Educate public on waste management issues.

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.

Client includes:	• all forms of business enterprises in this context, including:
	• government agencies
	• internal customers
	• local governments and councils
	• private and public companies
	• residents and ratepayers.
Client requirements may include expectations expressed in:	• briefing papers
	• contract documents
	• letters
	• memos
	• quality assurance documents
	• tender documents
	• verbal or written instructions.
Waste management plan may include:	• implementation strategies, including:
	• MSDS
	• measurement and recording
	• OHS procedures
	• PPE
	• legislation and codes
	• site contract requirements
	• work procedures
	• objectives pertaining to:
	• changes to processes and procedures
	• environmental issues
	• education and training
	• past and future reviews and audits
	• recycling requirements
	• reduction of waste
	• review strategies, including:
	• internal and external audits
	• monitoring statistics
	• monitoring personnel performance following training
	• formalising review strategies via re-planning

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	- targets, such as: - carbon emissions reduction - lean management - recycling rates - waste minimisation.

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Plant may include:	- autoclaves - balers - bobcat - boilers - bunded areas - centrifuges - chippers - compactors - computer hardware and software - conveyors - crushers - dozers and associated earthmoving equipment - forklifts - hammer mills - incinerator - microwave - pipes - processing plant - loaders: - front-end - rear-end - tailgate - tankers - treatment plant, including tanks - safety structures and controls - separators - shredders - sorters - storage tanks - trucks: - articulated - open-bodied - rigid - tub grinders.
Plant for waste processing 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.

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Material may include:	• cleaning chemicals • cleaning rags • consumables • cover materials • fuels • lubricants • office requisites • oils • road maintenance materials • treatment and processing chemicals • 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.
Characteristics may include:	• compliance with legislation and environmental policy • downtime and life expectancy • fitness for purpose • maintenance • performance • repair costs • safety.

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.
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.

Unit Sector(s)

Waste management

Custom Content Section

Not applicable.