



Australian Government

Department of Education, Employment and Workplace Relations

MEM50004B Maintain quality of environment by following marina codes

Release: 1

MEM50004B Maintain quality of environment by following marina codes

Modification History

Not Applicable

Unit Descriptor

Unit descriptor	This unit covers workers in the industry controlling pollution through the limitation, capture and disposal of pollutants in the marine environment.
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Application of the Unit

Application of the unit	<p>This unit applies to the control of pollution in marine environments when working on or around recreational vessels. It relates to workplaces in which vessels are built, repaired, stored, sold and transported. These workplaces may involve the use of dangerous goods and hazardous materials and may produce noxious waste products and other emissions.</p> <p>The unit includes skills and knowledge that are particular to protecting a marine environment and are in addition to those normally applied in the workplace.</p> <p>All work and work practices are undertaken to regulatory and legislative requirements.</p> <p>Band: A</p> <p>Unit Weight: 1</p>
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Licensing/Regulatory Information

Not Applicable

Pre-Requisites

Prerequisite units		
Path 1	MEM50003B	Follow work procedures to maintain the marine environment

Employability Skills Information

Employability skills	This unit contains employability skills.
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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.
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Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Assess the environmental implications of the tasks to be conducted	1.1. Tasks to be conducted are listed or work instructions are consulted to establish work requirements. 1.2. Vessel to be maintained is visually inspected to establish any particular potential pollutants. 1.3. Potential pollutants that may be produced as a result of the work are identified.
2. Select work area and method	2.1. Possible work areas are identified for the work and selected to conform with marina/slipway codes and local environmental regulations and to minimise risk of pollution. 2.2. Work method, equipment and materials are selected to minimise impact on the environment. 2.3. Pollution control measures are identified and implemented.
3. Dispose of potential pollutants	3.1. Potential pollutants are classified, separated and collected appropriate to the recycling, treatment or storage system adopted by the business. 3.2. Collected pollutants are disposed of in accordance with regulatory requirements and workplace procedures.
4. Support implementation of marina and slipway environment management plans	4.1. Workplace designated procedures for marina and slipway management are followed. 4.2. Observations of management plan effects and possible implementation improvements are identified and communicated to appropriate personnel. 4.3. Active, positive involvement in implementation of the environment management plan is consistently applied.

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

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

Required skills

Look for evidence that confirms skills in:

REQUIRED SKILLS AND KNOWLEDGE

- identifying sources of potential pollution
- minimising risks of pollution
- containing pollution

Required knowledge

Look for evidence that confirms knowledge of:

- identification of pollutants
- procedures to minimise risk of pollution
- procedures for containment of pollution
- overview of applicable environmental legislation

Evidence Guide

EVIDENCE GUIDE	
<p>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.</p>	
<p>Overview of assessment</p>	<p>A person who demonstrates competency in this unit must be able to control pollution through the assessment of potential for pollution, limitation, capture and disposal of pollutants in the marine environment and adherence to good practice codes of conduct. Competency in this unit cannot be claimed until all prerequisites have been satisfied.</p>
<p>Critical aspects for assessment and evidence required to demonstrate competency in this unit</p>	<p>Assessors must be satisfied that the candidate can competently and consistently perform all elements of the unit as specified by the criteria, including required knowledge, and be capable of applying the competency in new and different situations and contexts.</p>
<p>Context of and specific resources for assessment</p>	<p>This unit may be assessed on the job, off the job or a combination of both on and off the job. Where assessment occurs off the job, that is the candidate is not in productive work, then an appropriate simulation must be used where the range of conditions reflects realistic workplace situations. The competencies covered by this unit would be demonstrated by an individual working alone or as part of a team. The assessment environment should not disadvantage the candidate.</p> <p>This unit could be assessed in conjunction with any other units addressing the safety, quality, communication, materials handling associated with a marine environment, or other units requiring the exercise of the skills and knowledge covered by this unit.</p>
<p>Method of assessment</p>	<p>Assessors should gather a range of evidence that is valid, sufficient, current and authentic. Evidence can be gathered through a variety of ways including direct observation, supervisor's reports, project work, samples and questioning. Questioning techniques should not require language, literacy and numeracy skills beyond those required in this unit of competency. The candidate must have access to all tools, equipment, materials and documentation required. The candidate must be permitted to refer to any relevant workplace procedures, product and manufacturing specifications, codes,</p>

EVIDENCE GUIDE	
	standards, manuals and reference materials.
Guidance information for assessment	

Range Statement

RANGE STATEMENT	
<p>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.</p>	
Pollutants	<p>Any substance or emission which is deemed to be an undesirable contaminant including:</p> <ul style="list-style-type: none"> • waste water including bilge/black/grey/storm/cleaning water • paint including fumes and overspray • anti fouling flakes or solution • sand or grit from blasting/cleaning • fuel or oil spills • discharges of emulsified oil • domestic waste • noise • smoke and fumes <p>Note that some of these pollutants contain heavy metals, various hydrocarbons/solvents and other toxicants</p>
Marina	Buildings, wharves and surroundings where vessels are built, stored and maintained
Slipway	Areas where vessels are removed from the water for repair, maintenance or storage

Unit Sector(s)

Unit sector	
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Co-requisite units

Co-requisite units		

Competency field

Competency field	Boating services
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