



Australian Government

Department of Education, Employment and Workplace Relations

AHCPGD306A Implement a maintenance program for an aquatic environment

Release: 1

AHCPGD306A Implement a maintenance program for an aquatic environment

Modification History

Not Applicable

Unit Descriptor

Unit descriptor	This unit covers the process of implementing a maintenance program for an aquatic environment and defines the standard required to: recognise desired and pest plant populations and monitor their levels; apply weed control methods where necessary to maintain balance and remove weeds; apply chemicals according to label directions and keep records; maintain water quality to the required standard for the purpose of the aquatic environment.
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Application of the Unit

Application of the unit	This unit relates to implementing a maintenance program for an aquatic environment and is usually undertaken according to enterprise guidelines and within established routines, methods and procedures. Some discretion and judgement may be required depending on the type and size of the aquatic environment.
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Licensing/Regulatory Information

Not Applicable

Pre-Requisites

Prerequisite units		

Employability Skills Information

Employability skills	This unit contains employability skills.
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Elements and Performance Criteria Pre-Content

Not Applicable

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA

ELEMENT	PERFORMANCE CRITERIA
1. Prepare for maintenance activities	1.1. Enterprise guidelines and legislative requirements for the maintenance of the aquatic environment are identified, interpreted and applied. 1.2. Tools, equipment and machinery are selected and prepared for use according to enterprise guidelines and manufacturers specifications. 1.3. Occupational Health and Safety (OHS) hazards are identified, risks assessed, and suitable controls implemented. 1.4. Environmental implications associated with maintenance activities are identified and reported to supervisor.
2. Maintain aquatic organisms	2.1. Identification of indigenous, exotic and pest aquatic animals and/or plants is undertaken for the specific aquatic environment. 2.2. Aquatic plant and/or animal monitoring is undertaken and relevant data is recorded, maintained and applied to aquatic plant maintenance activities. 2.3. Aquatic animal and/or plant issues are reported to supervisor, with recommendations for action. 2.4. Control methods are implemented for excess aquatic animals and/or plants, and identified pest animals and/or plants. 2.5. Waste plant and animal material is processed according to enterprise guidelines.
3. Maintain water quality	3.1. Where appropriate, water quality monitoring is undertaken for the aquatic environment and the input water resource according to standards for the end use of the aquatic environment. 3.2. Monitoring data is recorded, maintained and applied to water quality maintenance activities. 3.3. Debris is removed and processed using appropriate equipment according to enterprise guidelines. 3.4. Water quality issues are reported to supervisor, with suggestions for remedial action. 3.5. Where required, water is discharged, environment is cleaned, and water is recharged from the designated storage area or other input water resource.

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

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

Required skills

- communicate verbally and in writing with work team members, supervisors, contractors and consultants
- interpret site plans and maintenance program requirements, and utilise proforma reporting, recording, analysis and work procedure documents
- measure materials, and aquatic site dimensions
- schedule and implement monitoring activities correctly, and record, interpret and apply monitoring data
- coordinate and supervise work group and own activities to sequentially and effectively complete maintenance activities in a timely, and cost effective manner
- use interpersonal skills to work with and relate to people from a range of cultural, social and religious backgrounds and with a range of physical and mental abilities.

Required knowledge

- recognition, physiology and biological characteristics of animals and/or plants specific to the aquatic environment
- aquatic systems ecology
- relevant legislation regarding water pollution and management
- wildlife habitats associated with the aquatic environment
- food chain and nutrient cycling in aquatic systems
- OHS legislative requirements and Codes of Practice
- regulations and/or Codes of Practice pertaining to Hazardous Substances
- safe systems and procedures for handling, transporting and storing chemicals and hazardous substances taking into account toxicity levels and environmental impacts
- regulations, Codes of Practices, enterprise systems and procedures for the safe operation and maintenance of machinery and equipment in aquatic environments, and in observing correct safety procedures in working from boats or adjacent to large bodies of water
- regulations and industry standards for water quality requirements in association with specified use.

Evidence Guide

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	
Critical aspects for assessment and evidence required to demonstrate competency in this unit	The evidence required to demonstrate competency in this unit must be relevant to workplace operations and satisfy holistically all of the requirements of the performance criteria and required skills and knowledge and include achievement of the following: • recognise desired and pest plant populations and monitor their levels • apply weed control methods where necessary to maintain balance and remove weeds • apply chemicals according to label directions and keep records • maintain water quality to the required standard for the purpose of the aquatic environment.
Context of and specific resources for assessment	Competency requires the application of work practices under work conditions. Selection and use of resources for some worksites may differ due to the regional or enterprise circumstances.

Range Statement

RANGE STATEMENT	
The range statement relates to the unit of competency as a whole.	
Maintenance programs may include:	• monitoring water quality and the movement of water into and out of the environment.

Unit Sector(s)

Unit sector	Parks and gardens
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Co-requisite units

Co-requisite units		

Competency field

Competency field	
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