



Australian Government

AHCPGD312 Implement a maintenance program for an aquatic environment

Release: 1

AHCPGD312 Implement a maintenance program for an aquatic environment

Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 7.0.

Application

This unit of competency describes the skills and knowledge required to implement a maintenance program for an aquatic environment, including preparing for maintenance activities, and maintaining aquatic organisms and water quality, in a park or garden setting.

The unit applies to individuals who implement a maintenance program for an aquatic environment under broad direction, and take responsibility for their own work and for the quality of the work of others.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Parks and Gardens (PGD)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare for maintenance activities	1.1 Identify and apply requirements for maintenance of aquatic environment 1.2 Identify potential hazards and risks, and implement safe working practices to address risks 1.3 Select and prepare tools, equipment and machinery for use

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.4 Select, fit, use and maintain personal protective equipment (PPE) applicable to the task 1.5 Identify environmental implications associated with maintenance activities and report to supervisor
2. Maintain aquatic organisms	2.1 Identify indigenous, exotic and pest aquatic animals and plants for specific aquatic environment 2.2 Monitor aquatic plants and animals and record and maintain relevant data and apply to aquatic plant maintenance activities 2.3 Report issues to supervisor, with suggestions for action 2.4 Implement control methods for excess aquatic animals and plants, and identified pest animals and plants 2.5 Process waste plant and animal material with regards to environmental issues
3. Maintain water quality	3.1 Monitor aquatic environment water quality and input water resource 3.2 Record and maintain monitoring data, and apply to water quality maintenance activities 3.3 Remove and process debris using appropriate equipment 3.4 Report water quality issues to supervisor, with suggestions for remedial action 3.5 Discharge water, clean environment, and recharge water from designated storage area or other input water resource

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Oral communication	Use clear language to report environmental, organism or water quality issues and recommend suggestions for remedial action

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCPGD312 Implement a maintenance program for an aquatic environment	AHCPGD306 Implement a maintenance program for an aquatic environment	Minor changes to application Minor changes to performance criteria Foundation skills added Assessment requirements updated	Equivalent

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHCPGD312 Implement a maintenance program for an aquatic environment

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Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has implemented a maintenance program for an aquatic environment on at least one occasion and has:

- interpreted site plans and maintenance program requirements, and used proforma reporting, recording, analysis and work procedure documents
- applied workplace health and safety requirements, including fitted and used personal protective equipment (PPE)
- selected, used and maintained tools, equipment and machinery required for implementing a maintenance program for an aquatic environment
- scheduled and implemented monitoring activities correctly and recorded, interpreted and applied monitoring data.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- principles and practices of aquatic environment maintenance, including:
 - aquatic systems ecology
 - correct safety procedures working from boats or adjacent to large bodies of water
 - enterprise systems and procedures for the safe operation and maintenance of machinery and equipment in aquatic environments
 - food chain and nutrient cycling in aquatic systems
 - recognition, physiology and biological characteristics of animals and/or plants specific to the aquatic environment
 - regulations and industry standards for water quality requirements in association with specified use
 - relevant legislation regarding water pollution and management

- safe systems and procedures for handling, transporting and storing chemicals and hazardous substances taking into account toxicity levels and environmental impacts
- wildlife habitats associated with the aquatic environment
- workplace requirements applicable to health and safety in the workplace for implementing a maintenance program for an aquatic environment, including appropriate use of PPE.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - a workplace setting or an environment that accurately represent workplace conditions
- resources, equipment and materials:
 - workplace procedures applicable to implementing a maintenance program for an aquatic environment
 - materials, tools, equipment and machinery applicable to implementing a maintenance program for an aquatic environment
 - PPE applicable to implementing a maintenance program for an aquatic environment
- specifications:
 - workplace requirements applicable to health and safety in the workplace for implementing a maintenance program for an aquatic environment
 - site plans and maintenance program requirements applicable to implementing a maintenance program for an aquatic environment
- timeframes:
 - according to job requirements.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

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