



**Australian Government**

# **SFIAQU304 Maintain water quality and environmental monitoring**

**Release: 1**

# SFIAQU304 Maintain water quality and environmental monitoring

## Modification History

Release	Comments
Release 1	This version released with SFI Seafood Industry Training Package Version 1.0.

## Application

This unit of competency describes the skills and knowledge required to maintain water quality and environmental monitoring for the protection of appropriate conditions for aquatic cultured or held stock. It includes the ability to brief team members on monitoring and sampling activities, use monitoring equipment, and record data.

The unit applies to individuals who have responsibility for ensuring appropriate conditions for stock in an aquaculture setting, working under broad direction.

All work must be carried out to comply with workplace procedures, according to state/territory health and safety, biosecurity and environmental regulations, legislation and standards that apply to the workplace.

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

## Pre-requisite Unit

Nil

## Unit Sector

Aquaculture (AQU)

## 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. Plan for monitoring	1.1 Identify water quality and environmental parameters to be monitored 1.2 Collect required equipment, including personal protective

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<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	equipment, and check for serviceability 1.3 Confer with team members on routine monitoring tasks to be completed
2. Observe monitoring and sampling activities	2.1 Check monitoring and sampling tests are undertaken according to workplace procedures 2.2 Collect and store samples that require further analysis according to workplace requirements 2.3 Ensure water quality and monitoring data has been recorded according to workplace procedures
3. Complete monitoring activities	3.1 Check cleaning of work area and disposal of waste materials is completed according to workplace procedures 3.2 Check condition, maintenance requirements and storage of tools and equipment 3.3 Record relevant data and observations, and report any abnormal records to supervisor

## 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
Reading	<ul style="list-style-type: none"> <li>Interprets manufacturer specifications for monitoring equipment</li> </ul>
Writing	<ul style="list-style-type: none"> <li>Completes workplace forms legibly and accurately using correct technical terminology</li> </ul>
Numeracy	<ul style="list-style-type: none"> <li>Measures and calculates volume</li> <li>Interprets settings and results on monitoring machines and test kits</li> </ul>
Oral communication	<ul style="list-style-type: none"> <li>Explains observed monitoring data to supervisor or other staff using appropriate language</li> </ul>
Interact with others	<ul style="list-style-type: none"> <li>Understands what to communicate, with whom and how, in routine work situations</li> </ul>
Get the work done	<ul style="list-style-type: none"> <li>Sequences and allocates water quality and environmental monitoring activities for self and others</li> </ul>

## Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
SFIAQU304 Maintain water quality and environmental monitoring	SFIAQUA308C Maintain water quality and environmental monitoring	Updated to meet Standards for Training Packages  Minor amendments to elements and performance criteria to better reflect outcomes	Equivalent unit

## Links

Companion Volumes, including Implementation Guides, are available at VETNet: -  
<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=e31d8c6b-1608-4d77-9f71-9ee749456273>