



**Australian Government**

# **SFIAQU205 Monitor water quality**

**Release: 1**

## SFIAQU205 Monitor water quality

### 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 use basic monitoring equipment to test the water quality and environmental conditions for cultured and held stock.

The unit applies to individuals who carry out basic monitoring activities in an aquaculture setting under the direction of a supervisor.

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. Licences may be required if operating vehicles or vessels.

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. Prepare for monitoring	1.1 Receive instructions for monitoring schedule from supervisor and confirm understanding  1.2 Collect required equipment, including personal protective equipment, and check for serviceability

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
2. Carry out monitoring	2.1 Perform water quality tests according to monitoring schedule 2.2 Check water quality parameters against acceptable range 2.3 Collect and prepare samples of water as instructed by supervisor
3. Complete monitoring activities	3.1 Clean work area and dispose of waste materials safely according to workplace procedures 3.2 Check and store tools and equipment, reporting any identified repair requirements to supervisor 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 text in workplace procedures, monitoring schedule and instructions</li> </ul>
Writing	<ul style="list-style-type: none"> <li>Fills out workplace records legibly and accurately</li> </ul>
Numeracy	<ul style="list-style-type: none"> <li>Completes basic calculations for measuring water quality</li> <li>Interprets numbers and symbols on testing equipment and meters</li> <li>Checks measurement standard to calibrate equipment</li> </ul>
Oral communication	<ul style="list-style-type: none"> <li>Asks questions to clarify job requirements</li> <li>Describes abnormal records to supervisor using correct terminology</li> </ul>

## Unit Mapping Information

Unit Mapping Information
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Code and title current version	Code and title previous version	Comments	Equivalence status
SFIAQU205 Monitor water quality	SFIAQUA213C Monitor stock and environmental conditions	Updated to meet Standards for Training Packages  Content relating to water testing has been incorporated into this unit  All other content has been incorporated into SFIAQU207 Monitor stock and environmental conditions	No equivalent unit

## Links

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