



Australian Government

Assessment Requirements for SFIAQU403 Manage water quality and environmental monitoring in enclosed systems

Release: 1

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Modification History

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

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 developed and managed a water quality and environmental monitoring program for an enclosed system on at least one occasion, including:

- developing the monitoring schedule and procedures for routine monitoring
- analysing and interpreting graphs and trends in data to determine required action for routine and non-routine data
- implementing water quality and environmental management strategies based on analysis of 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:

- purpose of a water quality management program
- routine and non-routine water quality parameters
- water chemistry and interaction between parameters
- interaction between stock, water chemistry and aquaculture practices
- types, features and purpose of a range of monitoring equipment used for managing water quality and environmental monitoring
- procedures for collecting, storing, retrieving and communicating data
- procedures for verifying data and rectifying mistakes
- options for presenting and displaying data.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:

- skills must be demonstrated in an aquaculture facility or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - measuring and testing equipment
 - data sets and records to analyse
 - technology for recording and presenting data
 - workplace forms or records
- specifications:
 - workplace procedures for management of water quality and environmental monitoring of culture or holding water.

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

Links

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