



Australian Government

Assessment Requirements for SFIEMS502 Conduct an aquatic environmental audit

Release: 1

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Modification History

Release	Comments
Release 1	This version released with SFI Seafood Industry Training Package Version 2.0.

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 interpreted, investigated and recorded information related to an aquatic environmental audit on at least one occasion.

In doing the above, there must also be evidence that the individual has:

- identified and measured the effectiveness of environmentally sustainable practices strategies for:
 - conserving energy resources
 - managing water use
 - minimising waste
 - groundwater monitoring
 - minimising adverse interactions with wildlife
 - using technology effectively
- observed and recorded details accurately
- recorded audit results accurately
- consulted effectively with relevant personnel
- identified hazards and risks
- sourced, organised and applied information
- selected and correctly fit personal protective equipment (PPE) for activity
- complied with work health and safety standards
- used surveys and conducted established audit testing processes
- used recording and photographic equipment.

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:

- environmental audit criteria of:
 - fish farms
 - key features of land and drainage catchment and coastal processes
 - transport of stock and equipment
 - service of equipment
 - feed technology
 - environmental compliance
 - high-energy sites
 - real time systems
 - probe maintenance
- relevant aspects of an aquatic environmental audit:
 - waste evaluation
 - the health of coastal ecosystems
 - energy usage, including fuel efficiency, passive energy use
 - water resource management, including the minimisation of water contamination with chemicals
 - minimisation of interactions with wildlife and other resource users
 - effective use of technology and atomisation and options for improvements
- environmental codes relevant to aquatic practices
- environmental risk identification and reduction
- principles of integrated and sustainable aquatic systems, including:
 - effect of effluent on plants, animals and environment
 - energy flows and food webs
 - nutrient cycling
 - impact of noise, dust, odour and light control
- aquatic workplace health and safety standards
- audit testing and documentation requirements, including:
 - information gathering techniques
 - operational processes
 - testing methods
 - result interpretation processes
 - consultation processes
 - surveying methods
 - consultative processes.

Assessment Conditions

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

- physical conditions:

- skills must be demonstrated in an aquatic setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - aquatic technology or systems to monitor operational capacity and usage
- specifications:
 - aquatic operational records
 - audit tools
- relationships:
 - relevant personnel.

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>