



Australian Government

Assessment Requirements for SFIEMS501 Plan an aquatic environmental audit

Release: 1

Assessment Requirements for SFIEMS501 Plan an aquatic environmental audit

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 planned 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
 - groundwater monitoring
 - managing water use
 - minimising waste
 - minimising adverse interactions with wildlife
 - using technology effectively
- recorded audit requirements
- consulted effectively with relevant personnel
- identified hazards and risks
- sourced, organised and applied information
- planned emergency procedures and the use of personal protective equipment (PPE)
- complied with work health and safety standards
- developed surveys and necessary documentation for the audit
- planned the use of 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:

- aquatic operational processes:

- 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
 - energy usage, including fuel efficiency, passive energy use
 - water resource management, including the minimisation of water contamination with chemicals
 - minimising interactions with wildlife and other resource users
 - effective use of technology and atomisation and options for improvements
 - the general features and capabilities of aquatic technology
 - water management systems
- environmental control standards and legislative requirements 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 health and safety standards
- audit planning processes, including:
 - information gathering techniques
 - testing and result interpretation processes
 - survey planning
 - operational processes that should be included
 - consultative processes
 - options for use of specialised contract services.

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 as specified in the performance evidence.

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>