



Australian Government

Assessment Requirements for SFIAQU504 Plan and implement environmentally sustainable aquacultural practices

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 planned for the implementation of environmentally sustainable aquacultural practices for an aquaculture facility on at least one occasion, including:

- researching and assessing the effectiveness of environmentally sustainable strategies and resource requirements for the facility
- developing an environmental management plan based on risk assessment and allocated resources, which includes strategies for implementing environmentally sustainable practices for:
 - conserving energy resources
 - managing water use
 - minimising waste
 - minimising adverse interactions with wildlife
- reviewing and reporting on the environmental management plan.

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 control standards relevant to aquaculture practices
- legislative requirements relevant to environmentally sustainable aquaculture practices
- environmental risk identification and reduction
- principles of composting and waste management
- principles of integrated and sustainable agriculture and aquaculture systems
- features of antibiotic, pesticide and herbicide resistance
- effect of effluent on plants, animals and environment
- principles of energy flows and food webs

- key features of land and drainage catchment and coastal processes
- impact of noise, dust, odour and light control on aquaculture operations
- principles of nutrient cycling
- options for mechanisation or automation of process or activity
- soil testing processes and procedures and results interpretation
- options for use of specialised contract services.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in an aquaculture workplace or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - workplace business, operational and financial information
 - technology for researching and documenting information
- relationships:
 - evidence of interactions with 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>