



Australian Government

SFIAQU315 Apply control measures for diseases

Release: 1

SFIAQU315 Apply control measures for diseases

Modification History

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

Application

This unit of competency describes the skills and knowledge required to investigate and select appropriate control measures for common diseases affecting cultured or held aquatic stock. It includes the ability to treat and monitor affected stock.

The unit applies to individuals who are responsible for the control of common diseases in an aquaculture workplace, working under broad direction.

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.

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. Investigate disease spread	1.1 Participate in routine health monitoring program according to workplace procedures 1.2 Record or report mortalities and moribund stock according to workplace requirements 1.3 Identify commonly occurring diseases and environmental

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	conditions that may contribute to the outbreak of diseases
2. Apply control methods for treatment of diseases	2.1 Select control methods according to workplace procedures 2.2 Identify and assess risks and select and use appropriate personal protective equipment 2.3 Administer treatment following workplace procedures and veterinary guidelines 2.4 Notify supervisor promptly about changes to treatments or severity of outbreak
3. Monitor post-disease-control activities	3.1 Check cleaning and sterilisation of work area and equipment are completed according to workplace procedures 3.2 Ensure appropriate disposal of infected or affected stock 3.3 Check condition, maintenance requirements and storage of tools and equipment 3.4 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	Interpret medication and chemical labels and safety signs
Writing	Complete workplace records and reports legibly and using accurate technical terminology
Oral communication	Participate in verbal exchanges to convey and clarify disease control activity using language appropriate for audience
Numeracy	- Estimate and quantify infestation severity - Calculate or estimate weights and volumes

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
SFIAQU315 Apply control measures for diseases	SFIAQU311 Apply control measures for diseases	Update to performance criteria and performance evidence for clarity regarding environmental conditions	Not equivalent

Links

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

Assessment Requirements for SFIAQU315 Apply control measures for diseases

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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, on at least one occasion, applied control measures in response to a common disease outbreak affecting aquatic stock, including:

- identified and reported to supervisor about the disease outbreak
- assessed risk factors and selected and used the appropriate personal protective equipment
- selected the appropriate control method for the disease
- applied the appropriate disposal methods for dead or moribund stock
- maintained accurate records of disease observations and treatments
- maintained hygienic work area and equipment after disease control.

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:

- hazard identification and risk assessment for the control of diseases
- features of normal and abnormal stock behaviour relevant to disease
- characteristics, signs and symptoms of disease outbreak of cultured or held stock
- common types and environmental causes of diseases
- lifecycles of common diseases
- methods for prevention, control and treatment of outbreaks of diseases:
 - cleaning and sterilising equipment
 - quarantining equipment and stock
 - chemical and non-chemical control measures
 - withholding periods of various common treatment programs
- legislative, regulatory and biosecurity requirements associated with controlling diseases
- health and safety requirements associated with controlling diseases
- conditions that may cause the outbreak of diseases.

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 aquaculture workplace or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - personal protective equipment
 - culture or holding structures and stock
 - equipment for controlling disease
 - medications, chemicals or products used in the treatment of diseases
- specifications:
 - workplace procedures for the control of disease
- relationships:
 - evidence of interactions with supervisor.

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

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