

Modification history

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

SFIAQU222	Control diseases
Application	<p>This unit of competency describes the skills and knowledge required to report on and assist with treating common diseases and actual or potential outbreaks that might threaten cultured or held stock.</p> <p>The unit applies to individuals who undertake routine tasks in disease control in aquaculture environments under the direction of a supervisor.</p> <p>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.</p> <p>No occupational licensing, legislative or certification requirements apply to the unit at the time of publication. Error! Use the Home tab to apply AFSA AR Code to the text that you want to appear here.</p>
Prerequisite Unit	Nil
Unit Sector	Aquaculture (AQU)

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. Prepare disease control and treatment	1.1 Identify problem species and their behavioural traits that have potential effects on cultured or held stock 1.2 Observe behaviour and intensity of disease organisms, including any abnormal behaviour in stock and report to supervisor 1.3 Receive instructions on preparations for disease control and treatment from supervisor and confirm understanding 1.4 Collect required equipment and materials, including personal protective equipment, and check for serviceability
2. Assist with disease control	2.1 Assist with preparation of disease treatments according to workplace chemical handling procedures and supervisor instructions 2.2 Apply disease treatments to affected stock according to supervisor instructions using safe work practices 2.3 Observe treated stock behaviour and record abnormal activity and report to supervisor
3. Assist with disposal of wastes and mortalities	3.1 Check and prepare collection equipment and holding or storage facilities 3.2 Collect wastes and mortalities and transfer to holding or storage facilities 3.3 Dispose of wastes and mortalities according to workplace and safety procedures 3.4 Employ work practices that minimise stock stress or damage
4. Complete post-disease control activities	4.1 Clean work area and dispose of waste materials safely according to environmental requirements and workplace procedures 4.2 Check and store tools and equipment, reporting any identified repair requirements to supervisor 4.3 Record relevant data and observations and report any abnormal records to supervisor

Commented [RF1]: What do "Disease organisms" refer to in this case?
 Are they the organisms that cause/spread the diseases e.g. the microscopic pathogens – bacteria and viruses etc?
 Does a learner need access to, and skills for using, a microscope? If so, is this task too high a skill level for a Certificate II?

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	<ul style="list-style-type: none"> Interpret text in workplace procedures and instructions relating to disease control Interpret labels and signs on chemicals and equipment
Writing	<ul style="list-style-type: none"> Fill out workplace forms on disease control legibly and accurately
Numeracy	<ul style="list-style-type: none"> Count or estimate numbers of disease organisms or affected stock Count or estimate number of stock mortalities
Oral communication	<ul style="list-style-type: none"> Describe abnormal records or stock behaviour relating to disease control to supervisor using correct terminology
Interact with others	<ul style="list-style-type: none"> Collaborate and cooperate with co-workers to complete tasks Follow accepted practices and protocols for reporting issues to supervisors

Commented [RF2]: As above:
What do "Disease organisms" refer to in this case?

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
SFIAQU222 Control diseases	SFIAQUA222A Control diseases	Updated to meet Standards for Training Packages Minor changes to elements and performance criteria to clarify intent of unit	Equivalent Unit

Links

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

TITLE	Assessment requirements for SFIAQU222 Control diseases
Performance Evidence	
<p>An individual demonstrating competency must satisfy all the elements and performance criteria of this unit. There must be evidence that the individual has assisted in controlling common diseases in stock on at least one occasion including:</p> <ul style="list-style-type: none"> • detecting and reporting actual and potential disease problems • communicating with and reporting to supervisor on work instructions for disease control tasks • preparing and using the required equipment, including personal protective equipment • preparing and applying disease control treatment • disposing of wastes and mortalities • recording disease and stock information • cleaning up work area and equipment and storing tools and equipment • following work health and safety and environmental requirements. 	
Knowledge Evidence	
<p>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:</p> <ul style="list-style-type: none"> • key features of normal and gross abnormal stock behaviour • gross signs and symptoms of common diseases of cultured or held stock • potential effects of disease on cultured or held stock • options for use of disease control structures and treatment equipment • hygiene risks associated with diseases including those that can be transmitted from animals to humans (zoonoses) • safe use of chemicals in the preparation and use of disease control treatments • workplace procedures for tasks associated with controlling diseases in stock • safe work practices in context of controlling diseases. 	
Assessment Conditions	
<p>Assessment of this unit of competency must take place under the following conditions:</p> <ul style="list-style-type: none"> • physical conditions: <ul style="list-style-type: none"> • skills must be demonstrated in an aquaculture workplace or an environment that accurately represents workplace conditions • resources, equipment and materials: <ul style="list-style-type: none"> • personal protective equipment • treatments and equipment for treating and preventing diseases • culture or holding structures with or in water that contains stock threatened by actual and/or potential disease • data or recording sheets • specifications: <ul style="list-style-type: none"> • instructions and workplace procedures for treatment and control of diseases that includes advice on health and safety and environmental requirements • relationships: <ul style="list-style-type: none"> • interactions with supervisor. <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>	
Links	Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=e31d8c6b-1608-4d77-9f71-9ee749456273