

Modification history

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

SFIAQU209	Manipulate stock culture environment
Application	<p>This unit of competency describes the skills and knowledge required to manipulate the stock culture environment using basic equipment to optimise growing or holding conditions.</p> <p>The unit applies to individuals who carry out routine tasks relating to culture or holding environments in an aquaculture facility under the guidance of a supervisor.</p> <p>All work must be carried out to comply with workplace procedures, according to state/territory health and safety, food safety, biosecurity and environmental regulations, legislation and standards that apply to the workplace. Licences may be required if operating load-shifting equipment, vehicles or vessels.</p> <p>No occupational licensing, legislative or certification requirements apply to the unit at this time of publication.</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 for manipulation of culture or holding environment	1.1 Receive instructions from supervisor and confirm understanding 1.2 Collect required water treatment equipment and personal protective equipment and check for serviceability 1.3 Make basic repairs to sub-standard equipment and calibrate equipment according to manufacturer instructions and health and safety requirements 1.4 Move water treatment equipment and data recording sheets to site and position for use 1.5 Observe water and environmental conditions which could adversely impact stock and report to supervisor
2. Manipulate culture or holding environment	2.1 Operate water treatment equipment safely and according to manufacturer instructions work health and safety requirements 2.2 Adjust stock holding structures or culture environments to suit stock according to workplace procedures 2.3 Document basic water quality and environmental factors against requirements for stock 2.4 Observe stock behaviour and report abnormal activity to supervisor 2.5 Employ work practices which minimise stock stress or damage 2.6 Operate and maintain automatic or mechanised equipment according to manufacturer instructions and health and safety requirements
3. Complete post-environment manipulation activities	3.1 Clean work area and dispose of waste materials safely according to health and safety and environmental requirements and workplace procedures 3.2 Check and store tools and equipment, reporting any identified repair requirements to supervisor 3.3 Record relevant data and observations and report any abnormal records to supervisor

Foundation Skills	
<i>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.</i>	
Skill	Description
Reading	<ul style="list-style-type: none"> Interpret key information in manufacturer instructions, work instructions and relevant workplace procedures
Writing	<ul style="list-style-type: none"> Complete workplace records legibly and accurately
Numeracy	<ul style="list-style-type: none"> Interpret symbols and numbers to calibrate and adjust equipment, meters or test kits Complete basic calculations used to alter or adjust culture or holding environments
Oral communication	<ul style="list-style-type: none"> Ask questions to clarify job requirements Describe abnormal records, stock behaviour or environmental conditions to supervisor using correct terminology
Navigate the world of work	<ul style="list-style-type: none"> Recognise and follow workplace requirements, including health and safety requirements, associated with own role
Interact with others	<ul style="list-style-type: none"> Follow accepted practices and protocols for reporting issues to supervisors
Get the work done	<ul style="list-style-type: none"> Plan routine tasks and seek guidance when plans are interrupted, circumstances change or resources are not available Follow routine procedures using digital technology and automated equipment used to manipulate stock culture environments

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
SFIAQU209 Manipulate stock culture environment	SFIAQUA209C Manipulate stock culture environment	Updated to meet Standards for Training Packages	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
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TITLE	Assessment requirements for SFIAQU209 Manipulate stock culture environment
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 manipulated the stock culture environment on at least one occasion including:</p> <ul style="list-style-type: none"> • communicating with and reporting to supervisor on manipulating the stock culture environment • using required personal protective equipment • operating and calibrating basic water treatment equipment • maintaining and repairing basic water treatment equipment • manipulating and monitoring culture and holding environments to ensure optimal conditions for rearing stock • observing environmental conditions and stock behaviour • recording data and observations • cleaning up work area and equipment and storing tools and equipment • following 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"> • use and purpose of basic water quality tests • features of basic water quality and environmental factors that can impact stock • effects of water and environmental conditions on stock • key characteristics of normal and abnormal stock behaviour • methods and techniques for manipulating stock culture or holding environments • main reasons for manipulating the stock culture environment • safe work practices relating to manipulating stock culture and holding environments • relevant legislation relating to manipulating stock culture and holding environments. 	
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 setting or an environment that accurately represents workplace conditions • resources, equipment and materials: <ul style="list-style-type: none"> • basic water treatment equipment for manipulating stock culture environment • personal protective equipment • culture or holding structures containing stock • data or recording sheets • specifications: <ul style="list-style-type: none"> • work instructions and workplace procedures for manipulating stock culture environments • manufacturer instructions for operating automatic or mechanised equipment • 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