

Modification history

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

SFIAQU301	Undertake effluent and waste treatment and disposal
Application	<p>This unit of competency describes the skills and knowledge required to undertake effluent and waste collection and treatment and arrange for its disposal either on-farm or at an off-farm facility.</p> <p>The unit applies to individuals who have responsibility for effluent and waste activities in an aquaculture environment.</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 this unit at the 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 treatment and disposal	1.1 Identify types of effluent and waste, determine treatment programs and options and confirm with senior personnel 1.2 Determine work and equipment requirements, including personal protective equipment, for treatment and disposal with senior personnel 1.3 Identify work health and safety and environmental risk factors and select minimisation or contingency plans as agreed by senior personnel 1.4 Plan work tasks to achieve desired treatment and disposal options 1.5 Log, maintain and repair equipment according to workplace procedures
2. Coordinate treatment and disposal of wastes and effluent	2.1 Follow effluent sampling requirements and forward collected data according to legislative requirements 2.2 Collect and hold wastes and mortalities according to health and safety requirements 2.3 Arrange and supervise collection of biohazard materials according to workplace procedures 2.4 Arrange and supervise on-site or off-site disposal of non-biohazard wastes 2.5 Monitor on-site disposal sites to ensure waste materials are contained
3. Complete task activities	3.1 Clean work area and dispose of waste materials according to workplace procedures 3.2 Check condition and storage of tools and equipment and forward repair requirements to senior personnel 3.3 Record relevant data and observations and report any abnormal records to senior personnel 3.4 Prepare compliance and other required reports of waste treatment and disposal and provide to senior personnel

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"> Research and interpret information from a range of sources to determine programs, options and actions relating to effluent and waste disposal and treatment
Writing	<ul style="list-style-type: none"> Complete workplace and compliance forms legibly and accurately using correct technical terminology
Numeracy	<ul style="list-style-type: none"> Analyse data taken from sampling processes and compile for reports Estimate time, resources and cost needed for required activities
Navigate the world of work	<ul style="list-style-type: none"> Take responsibility for adherence to workplace, safety and compliance processes and requirements relating to area of responsibility and own role
Get the work done	<ul style="list-style-type: none"> Plan, schedule and allocate treatment and disposal tasks within time and resource constraints to achieve required outcomes Use key features and functions of workplace systems and technology to complete treatment and disposal tasks

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
SFIAQU301 Undertake effluent and waste treatment and disposal	SFIAQUA301C Oversee and undertake effluent and waste treatment and disposal	Updated to meet Standards for Training Packages Minor changes to title and content to better reflect unit outcome	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 SFIAQU301 Undertake effluent and waste treatment and disposal
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 undertaken effluent and waste treatment and disposal activities on at least one occasion including:</p> <ul style="list-style-type: none"> • establishing and planning for treatment program options • communicating with senior personnel on work schedules and resource requirements • identifying risk factors and preventive measures • arranging contractors to carry out effluent and waste disposal collection and disposal activities • organising equipment inventory, storage, maintenance and repair • organising effluent sampling and data collection according to legislative requirements • collecting and holding wastes • monitoring on-site disposal sites • reporting on waste treatment and disposal activities, and compliance to senior personnel • cleaning work area and disposing of waste • 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 of equipment in the collection, holding, transport and treatment of effluent and waste • key legislative compliance requirements relating to effluent and waste treatment and disposal • methods for treating effluent and waste on and off-site and the relative risk and cost factors • types of wastes and their potential for impact on the environment • procedures for conducting water and soil quality analyses • collection techniques for on and off-site disposal of biohazard materials • work health and safety and biosecurity requirements relevant to effluent and waste treatment and disposal • environmental risks and minimisation strategies relating to effluent and waste treatment and disposal. 	
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"> • reference material for researching effluent and waste treatment programs and options • functioning waste treatment disposal system as part of an aquaculture culture or holding structure, including related equipment • personal protective equipment • compliance and/or report templates • specifications: <ul style="list-style-type: none"> • legislative compliance requirements relating to effluent and waste treatment and disposal • relationships: <ul style="list-style-type: none"> • interactions with senior personnel. <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