



Australian Government

SFIAQU301 Undertake effluent treatment and waste disposal

Release: 2

SFIAQU301 Undertake effluent treatment and waste disposal

Modification History

Release	Comments
Release 2	This version released with SFI Seafood Industry Training Package Version 2.0.
Release 1	This version released with SFI Seafood Industry Training Package Version 1.0.

Application

This unit of competency describes the skills and knowledge required to undertake effluent and waste collection and arrange for its disposal either on-farm or at an off-farm facility.

The unit applies to individuals who have responsibility for effluent and waste activities in an aquaculture environment.

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. Prepare for effluent treatment and waste disposal	1.1 Identify types of effluent and waste, determine treatment programs and options, and confirm with senior personnel 1.2 Determine relevant work and equipment requirements, including

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	personal protective equipment, for treatment and disposal with senior personnel 1.3 Identify 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 disposal options
2. Coordinate sampling, treatment and disposal of wastes and effluent	2.1 Follow effluent sampling and monitoring requirements and data collection requirements 2.2 Treat effluent according to workplace procedures 2.3 Arrange collection and on-site or off-site disposal of wastes according to workplace procedures 2.4 Monitor on-site disposal sites to ensure waste materials are contained
3. Complete task activities	3.1 Check condition and storage of tools and equipment and related operational technology, and forward repair requirements to senior personnel 3.2 Record relevant data and observations and report any abnormal records to senior personnel

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	Read and interpret workplace procedures
Writing	Complete workplace forms legibly and accurately using correct technical terminology
Numeracy	Estimate time and resources needed for required activities
Navigate the world of work	Take responsibility for adherence to workplace, safety and compliance processes and requirements relating to area of responsibility and own role
Get the work done	Plan, schedule and allocate treatment and disposal tasks within

Skill	Description
	time and resource constraints to achieve required outcomes

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
SFIAQU301 Undertake effluent treatment and waste disposal Release 2	SFIAQUA301 Undertake effluent treatment and waste disposal Release 1	Minor update to performance criteria and performance evidence for clarity regarding the use of technology	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 SFIAQU301 Undertake effluent treatment and waste disposal

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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 undertaken effluent treatment and waste disposal activities on at least one occasion, including:

- communicating with and reporting to senior personnel on waste disposal activities and technology or equipment requirements, including the use of personal protective equipment
- identifying risk factors and the appropriate preventive measures
- planning and monitoring waste disposal activities and on-site disposal sites
- organising effluent sampling and data collection
- maintaining accurate records on waste disposal data and activities.

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:

- equipment used for sampling and treating effluent, and the collection, holding and transport of effluent and waste
- key legislative compliance requirements relating to effluent treatment and waste disposal
- types of wastes and their potential for impact on the environment
- procedures for conducting water quality analyses
- collection techniques for on-site and off-site disposal of biohazard materials
- health and safety and biosecurity requirements relevant to effluent treatment and waste disposal
- environmental risks and minimisation strategies relating to effluent treatment and waste disposal.

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 setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - functioning aquaculture culture or holding structure, including related equipment to manage waste and effluent
 - personal protective equipment
 - report templates
- specifications:
 - workplace procedure relating to effluent treatment and waste disposal
- relationships:
 - evidence of interactions with senior personnel.

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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