



Australian Government

SFIAQU204 Undertake routine maintenance of water supply and disposal systems and structures

Release: 1

SFIAQU204 Undertake routine maintenance of water supply and disposal systems and structures

Modification History

Release	Comments
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 carry out routine maintenance and minor repairs on a water supply and disposal system or structure and its various components. It includes safely shutting down and restarting water supply and disposal system equipment and infrastructure, and replacing or repairing worn or damaged parts, with minimal stress or damage to stock.

The unit applies to individuals who carry out maintenance work in an aquaculture facility under the direction and guidance of a supervisor.

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 work	1.1 Confirm maintenance schedule or instructions with supervisor 1.2 Collect and check required tools and equipment, 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 serviceability 1.3 Review and prioritise tasks at the work site against instructions
2. Undertake maintenance and repairs	2.1 Shut down or control water supply, disposal system or structure as instructed, and enable an alternative supply or disposal system before beginning maintenance and repairs 2.2 Service equipment using safe work practices 2.3 Replace or repair worn or damaged parts as instructed by supervisor
3. Follow up maintenance and repair activities	3.1 Return water supply, disposal system or structure to working order 3.2 Measure and record flow rates according to workplace procedures 3.3 Visually inspect water supply and disposal system or structure for non-standard operation, and report observations
4. Finalise and review maintenance and repair activities	4.1 Clean work area and dispose of waste materials safely according to 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

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	Interprets workplace procedures and manufacturer guidelines or service manuals
Writing	Completes workplace records legibly and accurately
Numeracy	- Interprets symbols and numbers in maintenance schedules, flow metres and gauges - Measures length and depth - Calculates volume and flow rate

Skill	Description
Oral communication	- Asks questions to clarify job requirements - Describes abnormal records to supervisor using correct terminology
Get the work done	Makes routine decisions about condition of equipment and structures and water quality

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
SFIAQU204 Undertake routine maintenance of water supply and disposal systems and structures	SFIAQUA211C Undertake routine maintenance of water supply and disposal systems and structures	Updated to meet Standards for Training Packages Minor changes to performance criteria for clarity	Equivalent unit

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 SFIAQU204 Undertake routine maintenance of water supply and disposal systems and structures

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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, undertaken maintenance for both a water supply and a disposal system or structure, including:

- communicating with and reporting to supervisor on routine maintenance and repair tasks
- safely shutting down and restarting water supply and disposal systems or structures with minimal stress or damage to stock
- applying correct repair and maintenance techniques to water supply and disposal systems or structures
- safely preparing and using the appropriate hand and power tools and personal protective equipment for the required maintenance and repair tasks
- observing and completing accurate observation records on water supply and disposal system or operation
- cleaning up work area and storing tools and equipment after maintenance and repair 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:

- basic design principles and components of water supply and disposal systems or structures
- consequences of disabled water supply and disposal systems or structures on water quality and stock
- workplace procedures for undertaking maintenance and repairs and reporting non-standard operations
- general maintenance requirements for water supply and disposal systems or structures and their components
- general operating principles of specific types of pumps and treatment structures

- operation and maintenance of automatic or mechanised equipment related to water supply and disposal systems
- health and safety requirements relevant to maintaining water supply and disposal systems or structures.

Assessment Conditions

Assessment of skills 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:
 - hand and power tools and parts relevant to the water supply and disposal system or structure
 - personal protective equipment
 - water supply and disposal system or structure
 - data or recording sheets
- specifications:
 - maintenance schedule or specific instructions for maintaining water supply and disposal systems or structures
 - workplace procedures relevant to maintaining water supply and disposal systems or structures
- 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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