



Australian Government

AHCLSK227 Monitor water supplies

Release: 1

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Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Release 11.0.

Application

This unit of competency describes the skills and knowledge required to monitor the supply of potable water for livestock from water storages and sources.

The unit applies to individuals who work under general supervision and exercise limited autonomy with some accountability for their own work. They identify and provide solutions to a limited range of predictable problems.

All work must be carried out to comply with workplace procedures, according to state/territory health and safety regulations, legislation and standards that apply to the workplace, and sustainability and biosecurity practices.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Livestock (LSK)

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Monitor water supplies	1.1 Inspect water supplies routinely 1.2 Recognise high and low water levels and report to supervisor 1.3 Identify and report water quality problems to supervisor 1.4 Record and report information on water supplies

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
2. Inspect and clear intake and outlet points	2.1 Inspect intakes and outlets 2.2 Report potential blockages and clear actual blockages 2.3 Check and replace water filters as required 2.4 Reposition intake lines as necessary to ensure unobstructed suction 2.5 Clear debris and sludge from strainers
3. Operate water delivery equipment	3.1 Identify workplace health and safety hazards and report to supervisor 3.2 Prepare and check water delivery equipment 3.3 Operate water delivery equipment 3.4 Check outflow to ensure water delivery equipment is operating correctly 3.5 Shut down water delivery equipment as required 3.6 Report work outcomes and water delivery equipment performance, and faults, wear or damage of equipment 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
Writing	Use clear language, accurate industry terminology and logical structure to record water supply information
Oral communication	- Use clear language to report malfunctions, faults, wear or damage to equipment - Respond to questions and clarify information
Numeracy	- Interpret basic mathematical information in charts, tables or workplace documents - Use basic mathematical processes required for the treatment of water quality issues

Unit Mapping Information

Code and title current release	Code and title previous release	Comments	Equivalence status
AHCLSK227 Monitor water supplies	AHCLSK209 Monitor water supplies	Minor changes to application Minor changes to elements and performance criteria Foundation skills added Assessment requirements updated	Equivalent

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHCLSK227 Monitor water supplies

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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 monitored water supplies on at least two occasions, and has:

- followed relevant workplace health and safety and environment and biosecurity legislation, regulations and workplace procedures
- recorded and reported water supply information, activities and system performance
- problem-solved to identify potential as well as actual blockages
- checked outflow rates
- cleared blockages using safe working procedures
- checked flow rates
- inspected and reported on water quality and supplies.

Knowledge Evidence

An individual must be able to demonstrate knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- workplace requirements applicable to health and safety in the workplace for monitoring water supplies
- environment and biosecurity legislation and regulations and workplace practices relevant to monitoring water supplies
- principles and practices for monitoring water supplies, including:
 - types of water delivery systems, including mechanical and solar, their components and operation
 - common water quality problems
 - workplace procedures for carrying out inspections, and recording and reporting water information and system performance
 - procedures for water supplies.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - a workplace setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - work instructions and workplace procedures applicable to monitoring water supplies
 - facilities, materials and equipment applicable to monitoring water supplies
- specifications:
 - workplace requirements applicable to health and safety in the workplace for monitoring water supplies
 - environment and biosecurity legislation and regulations and workplace practices applicable to monitoring water supplies
 - workplace and procedures applicable to monitoring water supplies
- relationships:
 - supervisor
- time frames:
 - according to job requirements.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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