



Australian Government

AHCLSK347 Maintain livestock 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 maintain livestock water supplies, where the services of a tradesperson are not necessary.

The unit applies to individuals who maintain livestock water supplies under broad direction and take responsibility for their own work.

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. Identify maintenance requirements	1.1 Check livestock water supplies for quality, and inspect for signs of contamination or deterioration and low or interrupted supply 1.2 Check components of water supply systems for wear, deterioration or malfunctions 1.3 Identify and confirm maintenance requirements according to the

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
	maintenance plan
2. Prepare for maintenance	2.1 Identify hazards and risks, and implement safe working practices to manage risks 2.2 Select, check and maintain tools, equipment and materials required to perform water supply maintenance 2.3 Identify faulty or unsafe tools and equipment, and separate for repair or replacement 2.4 Select, fit, use and maintain personal protective equipment (PPE) applicable to the task
3. Carry out maintenance procedures	3.1 Maintain water systems and equipment according to manufacturer specifications and maintenance plan requirements 3.2 Conduct maintenance, fault finding and repair of motors where necessary 3.3 Report complex faults and repair requirements to the supervisor
4. Complete maintenance activities	4.1 Clean, maintain and store tools, equipment, materials and PPE 4.2 Clean and maintain worksite 4.3 Dispose of or recycle unwanted materials and waste from maintenance activities according to environmental practices 4.4 Report work activities, and faulty and unserviceable tools and 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
Reading	Identify and interpret workplace documentation to identify relevant and key information about water supply maintenance activities
Oral communication	Use clear language to report work activities and malfunctions, faults, wear or damage to tools and equipment

	• Respond to questions and clarify information
Numeracy	• Calculate and record routine workplace data • Use basic mathematical processes of addition, subtraction, division, multiplication, percentages, decimal points and ratios

Unit Mapping Information

Code and title current release	Code and title previous release	Comments	Equivalence status
AHCLSK347 Maintain livestock water supplies	AHCLSK305 Maintain livestock 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 AHCLSK347 Maintain livestock 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 maintained livestock water supplies on at least two occasions, and has:
- applied relevant workplace health and safety and environment and biosecurity legislation, regulations and workplace procedures
- recognised and reported workplace health and safety hazards and used safe work practices
- estimated water requirements based on average and peak demand for water
- tested and monitored machinery and equipment for correct operation and recognised minor faults and reported major faults
- identified the components of a range of water supply systems
- arranged water supply system components and materials
- used hand and power tools safely
- carried out routine servicing and minor repairs of water supply systems and equipment
- read and interpreted a water supply maintenance plan
- measured and calculated lubrication requirements.

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 maintaining livestock water supplies, including appropriate use of personal protective equipment (PPE)
- environment and biosecurity legislation and regulations and workplace practices relevant to maintaining livestock water supplies
- principles and practices for maintaining livestock water supplies, including:
 - livestock requirements and average and peak demand for water
 - operational principles of various pumps and pumping systems

- functions and components of a range of water supply systems
- operation and maintenance of diesel and petrol engines
- operation and maintenance of solar power systems
- factors that affect water quality, various water contaminants and remedial action
- advantages and disadvantages of different types of water supply systems
- relevant legislative requirements with regard to property water supply systems.

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 maintaining livestock water supplies
 - tools, equipment and materials applicable to maintaining livestock water supplies
 - PPE applicable to maintaining livestock water supplies
- specifications:
 - workplace requirements applicable to health and safety in the workplace for maintaining livestock water supplies
 - environment and biosecurity legislation and regulations and workplace practices applicable to maintaining livestock water supplies
 - industry standards, legislation and codes of practice and procedures for maintaining livestock 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.

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