



Australian Government

AHCDRY306 Operate a dairy waste utilisation system

Release: 1

AHCDRY306 Operate a dairy waste utilisation system

Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 7.0.

Application

This unit of competency describes the skills and knowledge required to prepare, operate, maintain and monitor a dairy waste utilisation system.

This unit applies to individuals who work as farm hands and are responsible for managing the solid and effluent waste generated in a dairy facility.

All work is carried out to comply with workplace procedures, according to state/territory work health and safety, food safety, environmental and biosecurity legislation, regulations 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

Dairy (DRY)

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 dairy waste utilisation operations	1.1 Confirm maintenance requirements for dairy waste utilisation operations to be undertaken from work program and food safety plan 1.2 Communicate and coordinate activities with other workers who may be affected by maintenance activities 1.3 Identify work health and safety hazards, assess risks and determine

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<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	control measures 1.4 Select, check and prepare personal protective equipment (PPE) 1.5 Select, check and prepare tools and equipment according to work requirements
2. Maintain and operate system	2.1 Service and maintain dairy waste removal and disposal equipment according to manufacturer specifications 2.2 Use dairy waste disposal system according to system design and regulatory requirements 2.3 Carry out irrigation from dairy waste storages 2.4 Remove litter, flush and drain in-shed dairy waste pits 2.5 Maintain tools' condition and storage location
3. Monitor waste utilisation system	3.1 Check flow rates, pit levels and equipment to maintain effective operation of the system 3.2 Carry out cleaning procedures and hygiene practices 3.3 Identify environmental impact of dairy waste disposal, assess likely outcomes and take responsive action in line with workplace environmental, legislative and regulatory requirements
4. Conduct post operation activities	4.1 Clean equipment according to manufacturer specifications 4.2 Clean and store attachments and other ancillary equipment as required 4.3 Dispose of containers, leftover fluids, waste and debris according to workplace and environmental requirements 4.4 Complete required records and documentation according to workplace and regulatory requirements

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
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Skill	Description
Reading	Interpret key information from manufacturer documentation and regulations
Writing	Maintain records and documentation accurately using clear language and industry terminology
Oral communication	Use open-ended questioning and active listening to gather information and confirm work requirements
Numeracy	- Calculate volume, weight, area, percentage, ratio, time and application rates - Measure volumes and calculate ratios to achieve correct concentration of effluent

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCDRY306 Operate a dairy waste utilisation system	AHCDRY302 Operate a dairy recycling system	Changes to unit title elements, performance criteria, performance and knowledge evidence Foundation skills added Assessment conditions expanded	Not 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 AHCDRY306 Operate a dairy waste utilisation system

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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 and operated a dairy waste utilisation system according to work health and safety, food safety and environmental legislation and regulations on at least two occasions, including for each occasion:

- made preparations for dairy waste disposal and recycling operations, consisting of having identified safety requirements, prepared tools and equipment and coordinated work activities with others
- selected, checked and used personal protection equipment (PPE)
- serviced both the dairy waste storage and disposal system
- conducted a check on the system for effective operation and hygiene
- carried out irrigation from dairy waste storages
- cleaned and stored equipment, disposed of waste and maintained records post operations.

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:

- types of waste generated in dairy industry
- legislation, regulations and industry requirements for dairy waste disposal operations, including biosecurity requirements and environmentally sustainable practices
- environmental impacts of dairy waste disposal operations and dairy waste irrigation, and strategies to mitigate negative impacts
- organisational work program and food safety program requirements for dairy waste disposal operations
- work health and safety requirements for operating a dairy waste utilisation system
- tools, equipment and systems used for dairy waste disposal operations (dairy waste handling, removal and disposal) and their functions, cleaning, maintenance, servicing and storage of such tools, equipment and systems

- irrigation techniques for dairy waste
- functions, maintenance and service of effluent pits
- methods for safe and appropriate disposal of containers, leftover fluids, waste and debris from effluent operations
- documentation and type of records that need to be completed for effluent operations.

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 a dairy facility or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - dairy waste utilisation system and associated tools and equipment
 - personal protective equipment (PPE)
 - record system
- specifications:
 - work program
 - food safety plan
 - manufacturer specifications
 - workplace policies and procedures for dairy waste disposal and recycling operations, including advice on health and safety, food safety, hygiene, and biosecurity and environmental regulatory 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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