



Australian Government

AHCDRY402 Manage milking shed operations

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 Version 7.0.

Application

This unit of competency describes the skills and knowledge required to manage milking shed operations for a dairy facility according to regulatory and quality requirements.

This unit applies to individuals who manage and monitor the operations of a dairy facility.

All work is carried out to comply with workplace procedures, according to state/territory work health and safety, food safety, animal welfare, 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. Establish and monitor regulatory and quality requirements for milking shed operations	1.1 Identify legislative and regulatory requirements and industry standards relevant to milking shed routines, and consequences of non-compliance 1.2 Identify milk buyer quality standards and specifications 1.3 Identify environmental impacts of milking shed routines, assess likely outcomes and identify practices to minimise adverse effects

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	according to workplace environmental policies 1.4 Identify animal welfare requirements and practices to ensure the welfare of livestock 1.5 Monitor own work practices and those of others to ensure compliance with regulations and quality standards 1.6 Review workplace policies and procedures for effectiveness in complying with regulations and quality standards
2. Manage shed maintenance	2.1 Plan maintenance schedules according to manufacturer recommendations and production requirements 2.2 Implement programmed replacement of consumables in line with recorded usage and replacement schedule or manufacturer specifications 2.3 Identify and replace worn or unsafe components, and those that impact milk quality 2.4 Identify and rectify milking equipment maintenance problems 2.5 Engage specialist services for non-routine service and repairs and programmed maintenance
3. Manage shed milking routines	3.1 Determine milking shed routines and schedules according to production requirements, available labour and resources 3.2 Allocate and communicate responsibilities to staff 3.3 Implement and monitor in-shed hygiene routines according to regulatory, biosecurity and food safety requirements 3.4 Establish and implement milk production recording procedures 3.5 Implement industry or supplier quality assurance practices and procedures in programmed shed routines 3.6 Implement and monitor workplace health and safety requirements 3.7 Implement and monitor workplace animal welfare requirements
4. Manage livestock health problems	4.1 Establish and monitor shed procedures for identification of livestock herd health problems 4.2 Manage isolation of milk from livestock with health problems to maintain overall milk quality 4.3 Select and administer treatments according to veterinary or product advice as required 4.4 Implement plans for livestock with health problems according to

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	veterinary advice
5. Maintain milk quality	5.1 Monitor milk quality to comply with buyer specifications and food safety standards 5.2 Identify deviation from milk quantity and quality and rectify according to professional advice 5.3 Monitor milk cooling equipment and storage to maximise and maintain milk quality

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	Interpret complex textual information from a range of sources to identify relevant and key information about compliance and quality requirements
Writing	Complete workplace documentation using clear language and industry terminology
Oral communication	- Gather information through open-ended questioning, active listening, paraphrasing and summarising - Use appropriate language and tone to communicate with staff and external services
Numeracy	- Calculate time and application rates when determining schedules - Interpret numerical information in documentation and cooling equipment

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCDRY402 Manage milking shed	AHCDRY401 Manage milking shed	Element added	Not equivalent

Code and title current version	Code and title previous version	Comments	Equivalence status
operations	routines	Changes to elements, performance criteria, performance and knowledge evidence Foundation skills added Assessment conditions expanded	

Links

Companion Volume Implementation Guides are found in VETNet: -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHCDRY402 Manage milking shed operations

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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 effectively developed and managed the operations of a milking shed, including:

- conducted a review of milking shed policies and procedures for compliance with regulations and quality standards
- overseen the routine maintenance and service of milking equipment or replacement of consumables on at least one occasion
- managed the conduct of at least two milking operations, including:
 - determined and communicated the milking schedule
 - maintained practices for milk quality in co-operation with relevant personnel
 - identified possible causes of decline in milk quantity and quality and managed the segregation of unsuitable milk from livestock with health problems
 - identified any faults in milking equipment and taken action to have rectified
 - overseen cleaning and disinfection of milk collection area and equipment after milking
 - maintained records of the food safety components of the milking operation
 - implemented and monitored work health and safety, food safety, animal welfare and environmental policies and procedures throughout the operation

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:

- industry legislation, regulations and standards relevant to milking operations, milk quality assurance and milking shed operations:
 - work health and safety
 - food safety plan and practices
 - animal welfare

- environmental impacts of milking operations and strategies to mitigate negative impacts
- hygiene and biosecurity
- production targets and requirements for milking operations, including required resources, both human and equipment
- types, functions, cleaning, monitoring and maintenance of milking facilities, machinery, equipment and consumables
- types, characteristics, signs of ill health, prevention and treatment of relevant diseases in the livestock species and their impact on milking operations and milk quality
- criteria, methods and industry standards for determining milk quality
- reproduction cycle, lactation and behaviour of the animal species applicable to milking operations
- livestock health testing and sampling, health treatment and preventive medicine applicable to milking 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:
 - machinery and equipment used for milking operations
- specifications:
 - facility maintenance plans and schedules
 - food safety plan
 - supplier specifications
 - workplace policies and procedures, quality standards relevant to managing milking operations and milking shed routines
- relationships:
 - staff.

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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