



Australian Government

Department of Education, Employment and Workplace Relations

AHCDRY302A Operate a dairy recycling system

Release: 1

AHCDRY302A Operate a dairy recycling system

Modification History

Not Applicable

Unit Descriptor

Unit descriptor	This unit covers the process of operating a dairy waste management system, maintaining the equipment used for dairy waste disposal from the dairy shed, and monitoring its efficiency, and defines the standard required to: implement and monitor dairy waste management plans; operate dairy waste management systems in accordance with Occupational Health and Safety (OHS) and environmental legislation; regulations and codes of practice; maintain and monitor gauges and instruments that control the dairy waste recycling system; carry out techniques for irrigation from dairy waste storages; check flow rates, pit levels and equipment regularly to maintain effective and efficient operation of the system.
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Application of the Unit

Application of the unit	This unit applies to workers on dairy farms and is likely to be carried out under limited supervision from others with checking only related to overall progress.
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Licensing/Regulatory Information

Not Applicable

Pre-Requisites

Prerequisite units		

Employability Skills Information

Employability skills	This unit contains employability skills.
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Elements and Performance Criteria Pre-Content

Not Applicable

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA

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1. Prepare to work with dairy waste disposal equipment	1.1. Work to be undertaken is interpreted from the work program where necessary, and confirmed with management. 1.2. Discussions are held with other workers who may be affected by the maintenance activities to ensure continued smooth operation of the production process. 1.3. OHS hazards are identified, risks assessed and suitable controls implemented. 1.4. Suitable Personal Protective Equipment (PPE) is selected, used and maintained. 1.5. Tools and equipment suitable for the work to be undertaken are selected, checked, and maintained if necessary.
2. Maintain and operate a dairy waste storage and disposal system	2.1. Organisational OHS procedures, practices, policies and precautions are observed and followed, including the use of PPE. 2.2. Dairy waste removal and disposal equipment is correctly serviced and maintained. 2.3. Dairy waste disposal systems are used according to system design in compliance with approval granted by local government and the State environment protection authority. 2.4. Recognised techniques for irrigation from dairy waste storages are carried out according to establishment practice. 2.5. In-shed dairy waste pits are flushed and drained as required.
3. Monitor dairy waste disposal system	3.1. Organisational OHS procedures, practices, policies and precautions are observed and followed, including the use of personal protective equipment. 3.2. Flow rates, pit levels and equipment are regularly checked to maintain effective operation of the system. 3.3. Cleaning procedures and hygiene practices are carried out according to established practice. 3.4. Monitoring reflects an understanding of environmental duty of care.
4. Conduct hygiene and administration activities	4.1. Equipment is cleaned in accordance with manufacturer's specifications, organisational procedures and regulations. 4.2. Attachments and other ancillary equipment are

ELEMENT	PERFORMANCE CRITERIA
	cleaned and stored in accordance with manufacturer's specifications, organisational procedures and regulations. 4.3. All containers, leftover fluids, waste and debris from the operations are disposed of safely and appropriately. 4.4. All required records and documentation are completed accurately and promptly in accordance with organisational requirements.

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit.

Required skills

- operate dairy waste management systems in accordance with OHS and environmental legislation, regulations and codes of practice
- maintain and monitor gauges and instruments that control the dairy waste recycling system
- implement dairy waste management plans
- observe, identify and react appropriately to environmental implications and OHS hazards
- apply safe work procedures
- use literacy skills to read, interpret and follow organisational policies and procedures, follow sequenced written instructions, record accurately and legible information collected and select and apply procedures for a range of tasks
- use oral communication skills/language competence to fulfil the job role as specified by the organisation, including questioning techniques, active listening, clarifying information and consulting with supervisors as required
- use numeracy skills to estimate, calculate and record routine workplace measures
- use interpersonal skills to work with and relate to people from a range of cultural, social and religious backgrounds and with a range of physical and mental abilities.

Required knowledge

- the purpose of dairy waste management systems
- procedures for installing dairy waste management systems
- components of dairy shed and yard waste
- the nutrient and chemical status of the different types of waste

REQUIRED SKILLS AND KNOWLEDGE

- advantages and disadvantages of reusing treated and untreated waste
- methods of reducing the amount of waste
- methods of applying treated and untreated waste to the land
- methods of treating and storing waste before applying to the land
- relevant legislation and regulations relating to the use, treatment and storage of dairy waste
- OHS obligations regarding the operation of dairy waste management systems.

Evidence Guide

EVIDENCE GUIDE	
The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.	
Overview of assessment	
Critical aspects for assessment and evidence required to demonstrate competency in this unit	The evidence required to demonstrate competency in this unit must be relevant to workplace operations and satisfy holistically all of the requirements of the performance criteria and required skills and knowledge and include achievement of the following: • implement and monitor dairy waste management plans • operate dairy waste management systems in accordance with OHS and environmental legislation, regulations and codes of practice • maintain and monitor gauges and instruments that control the dairy waste recycling system • carry out techniques for irrigation from dairy waste storages • check flow rates, pit levels and equipment regularly to maintain effective and efficient operation of the system.
Context of and specific resources for assessment	Competency requires the application of work practices under work conditions. Selection and use of resources for some worksites may differ due to the regional or enterprise circumstances.

Range Statement

RANGE STATEMENT	
The range statement relates to the unit of competency as a whole.	
Recycling may include:	• manure • urine • cow hair • mucus • milk

RANGE STATEMENT

	• yard and plant washing water • storm water • detergent and chemical residues • soil • suspended solids • stones • string • hay • pasture.
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Unit Sector(s)

Unit sector	Milk harvesting
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Co-requisite units

Co-requisite units		

Competency field

Competency field	
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