

DEVELOP DAIRY FARM STRUCTURES

UNIT CODE: DA/OS/FM/CR/01/3/B

UNIT DESCRIPTION

This unit specifies the competencies required to develop dairy farm structures. It involves applying food safety measures while preparing construction materials and site; participating in construction and repair of dairy farm structures; and ensuring their cleanliness.

ELEMENTS AND PERFORMANCE CRITERIA

ELEMENT These describe the key outcomes which make up workplace function	PERFORMANCE CRITERIA These are assessable statements which specify the required level of performance for each of the elements. <i>Bold and italicized terms are elaborated in the Range</i>
1. Prepare to develop dairy farm structures	1.1 <i>Construction materials and supplies</i> are prepared in accordance with job requirements. 1.2 Site is cleared based on vegetation on the ground and soil type. 1.3 Tools and equipment are identified and gathered based on the requirements of the job. 1.4 PPEs are identified, gathered based on requirements of the job code of hygienic practices for milk and milk products. 1.5 Occupational safety and health procedures are adhered to according to work place procedures and public health act. 1.6 Environmental protection measures are observed according to <i>environment protection regulations</i> and work place procedures
2. Develop dairy farm structures	2.1 Development of dairy farm structures is carried out following work instructions based on the code of hygienic practices for milk and milk products and the code of practice for the animal feed industry 2.2 Structure layout is pegged as per approved design. 2.3 Foundation is laid based on the type of structure.

	<p>2.4 Walls are erected based on the design and type of structure.</p> <p>2.5 Roof is laid based on the design and type of structure.</p> <p>2.6 Fittings are put in place based on design and type of structure.</p>
3. Evaluate construction of dairy farm structures	<p>3.1 Faults are detected, reported and repaired based on standard operating procedures.</p> <p>3.2 Dairy <i>farm structures</i> are cleaned as per the dairy structure cleaning and maintenance procedures based on the code of hygienic practices for milk and milk products and the code of practice for the animal feed industry</p>
4. Complete dairy farm structures construction	<p>4.1 Recyclable materials and supplies are stored as per standard operating procedures</p> <p>4.2 Non-recyclable materials and supplies are disposed-off according to work place policy.</p>

RANGE

This section provides work environments and conditions to which the performance criteria apply. It allows for different work environment and situations that will affect performance.

Variable	Range
1. <i>Dairy enterprise</i> includes but not limited to:	<ul style="list-style-type: none"> • Dairy cattle production • Dairy goat's production • Camel production • Donkey production • Pasture and fodder crop production
2. <i>Construction materials</i> includes but not limited to	<ul style="list-style-type: none"> • Timber • Poles • Nails • Iron sheets • Barbed wire • Stones • Gravel • Sand • Cement • Chain link
3. <i>Farm structures</i> includes but not limited to:	<ul style="list-style-type: none"> • Milking Parlor • Zero grazing unit • Holding crush • Hay barn • Fences • Feeding troughs • Watering troughs • Spray race • Plunge dip • Feed formulation unit

	<ul style="list-style-type: none"> • Biogas plant
<p>4. <i>Environment protection regulations</i> includes but not limited to:</p>	<ul style="list-style-type: none"> • Public Health Act • EMCA 1999 • OSH Act 2007

REQUIRED SKILLS AND KNOWLEDGE

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

Required skills

The individual needs to demonstrate the following skills:

- Measuring skills
- Masonry skills
- Carpentry skills
- Communication skills

Required knowledge

The individual needs to demonstrate knowledge of:

- Dairy enterprises
- Types of dairy farm structures
- Types of construction materials
- Dairy structure maintenance requirements
- Code of hygienic practices for milk and milk products
- Code of practice for the animal feed industry
- Waste disposal
- Cleaning and maintenance of farm structures
- Occupational safety and health regulations

EVIDENCE GUIDE

This provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge and range.

1. Critical Aspects of Competency	Assessment requires evidence that the candidate: 1.1 Applied food safety measures to develop dairy farm structures 1.2 Identified and donned correct PPEs 1.3 Pegged structure layout accurately 1.4 Mixed construction materials in the recommended ratio 1.5 Observed occupational safety and health measures in the working environment 1.6 Observed laid down environmental protection measures at the work place 1.7 Documented dairy farm structures development and food safety records
2. Resource Implications	The following resources MUST be provided: 2.1 Assessment location / workplace 2.2 Personal Protective Equipment and Apparel
3. Methods of Assessment	Competency may be assessed through: 3.1 Observation 3.2 Oral questioning 3.3 Written test 3.4 Portfolio of Evidence 3.5 Interview 3.6 Third party report
4. Context of Assessment	Competency may be assessed on the job, off the job or a combination of these. Off the job assessment must be undertaken in a closely simulated workplace environment.
5. Guidance information for assessment	Holistic assessment with other units relevant to the industry sector, workplace and job roles is recommended.