

Modification history

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 6.0.

AHCMKH4XX	Carry out cleaning-time tests of milking machines
Application	<p>This unit of competency describes the skills and knowledge required to carry out cleaning time tests of milking machines and report results to dairy facilities.</p> <p>This unit applies to technicians who provide specialised testing and servicing of milking machines for dairy facilities.</p> <p>All work is carried out to comply with workplace policies and procedures, according to state/territory work health and safety, animal welfare, environmental and biosecurity legislation, regulations and standards that apply to the workplace.</p> <p>No licensing, legislative or certification requirements apply to this unit at the time of publication.</p>
Prerequisite Unit	Nil
Unit Sector	Milk Harvesting (MKH)

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 cleaning-time testing	1.1 Establish procedure for conducting cleaning-time test based on previous testing outcomes 1.2 Identify facility health and safety requirements, assess risks and determine control measures 1.3 Assess and record quality of water used for cleaning process from on-site, facility or laboratory tests 1.4 Determine suitability and recommended concentrations of cleaning chemicals according to prevailing water quality, facility requirements and equipment manufacturer recommendations 1.5 Establish bacteriology of specific facility from relevant records
2. Carry out cleaning-time tests of milking equipment	2.1 Identify and record details of normal cleaning routines and procedures during testing 2.2 Install testing equipment to measure water or airflow velocities 2.3 Carry out cleaning-time tests before or during cleaning of milking machines or bulk milk tank
3. Report on cleaning-time test result	3.1 Record and collate test results 3.2 Interpret test report results according to industry standards and manufacturer recommendations 3.3 Report test results to relevant personnel

Foundation Skills	
<i>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.</i>	
Skill	Description
Reading	<ul style="list-style-type: none"> Interpret key information from a range of documentation
Oral communication	<ul style="list-style-type: none"> Gather information through open-ended questioning, active listening, paraphrasing and summarising Use appropriate language and tone to communicate with stakeholders

Foundation Skills	
<i>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.</i>	
Skill	Description
Writing	<ul style="list-style-type: none"> Complete workplace documentation using logical structure and industry terminology
Numeracy	<ul style="list-style-type: none"> Calculate volume, weight, area, ratio, time and application rates Interpret numerical information in documentation

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
AHCMKH4XX Carry out cleaning-time tests of milking machines	AHCMKH401 Carry out cleaning-time tests of milking machines	Changes to performance criteria, performance and knowledge evidence. Foundation skill added. Assessment conditions expanded	Equivalent

Links	
	Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72

TITLE	Assessment requirements for AHCMKH4XX Carry out cleaning-time tests of milking machines
Performance Evidence	
<p>An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.</p> <p>There must be evidence that the individual has carried out at least two cleaning tests of different milking machines, including:</p> <ul style="list-style-type: none"> established testing requirements based on facility requirements, previous testing outcomes and recording carried out cleaning-time tests using the required equipment and testing procedures and safety measures recorded and reported on cleaning-time test result. 	
Knowledge Evidence	
<p>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:</p> <ul style="list-style-type: none"> types, functions, cleaning, monitoring and maintenance of milking machines and components criteria and methods for assessing optimal performance of milking machines and components requirements, procedures and assessment criteria for mechanical testing of milking machines and components requirements, criteria and assessment methods for determining water quality and the impacts of water quality on maintenance and performance of milking machines requirements, criteria and assessment methods for determining bacteriology and the impacts of bacteriology on maintenance and performance of milking machines possible faults, problems and poor performance with milking machines and their components, impacts on milking operations and corrective actions for these faults and problems requirements, criteria, procedures, routines and assessment methods for optimal cleaning and hygiene of milking machines and their components types, handling, use and disposal of cleaning and sanitising chemicals, work health and safety and environmental practices for these chemicals requirements, procedures and assessment criteria of cleaning-time tests and the impacts of cleaning-times on maintenance and performance of milking machines key aspects and components of collating, interpreting and reporting on test results to dairy facility work health and safety requirements for carrying out testing and servicing of milking machines. 	
Assessment Conditions	
<p>Assessment of the skills in this unit of competency must take place under the following conditions:</p> <ul style="list-style-type: none"> physical conditions: <ul style="list-style-type: none"> skills must be demonstrated in a dairy milking facility or an environment that accurately represents workplace conditions resources, equipment and materials: <ul style="list-style-type: none"> milking machines and their components as specified in performance evidence testing equipment personal protective equipment resources for completing reports specifications: <ul style="list-style-type: none"> workplace policies and procedures for testing milking machines, including advice on health and safety and hygiene requirements relationships: <ul style="list-style-type: none"> interactions with facility representative. <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>	
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