

Title	Demonstrate understanding of a dairy effluent management system		
Level	3	Credits	10

Purpose	This unit standard is intended for people who are working on a dairy farm, and recognises the skills and knowledge required to assist with the management of dairy effluent, and who need to demonstrate underpinning knowledge of a dairy effluent management system.
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Classification	Agriculture > Dairy Farming
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Available grade	Achieved
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Guidance Information

- 1 Legislation and bylaws include but are not limited to – Resource Management Act 1991, and territorial and local authority bylaws.
- 2 Industry guidelines include but are not limited to – DairyNZ, A farmer's guide to managing farm dairy effluent, 2013, available from <http://www.dairynz.co.nz/>
Northland Regional Council Dairying and the Environment Committee, Managing Farm Dairy Effluent, 2006, available from <http://www.nrc.govt.nz/>
NZCP1: Code of Practice for the Design and Operation of Farm Dairies, Ministry of Primary Industries, 2007, available from <http://www.mpi.govt.nz>.
- 3 Definition
Dairy effluent refers to faeces, urine, washdown water, spilled milk, soil, feed residues, detergents and other chemicals, and stormwater from the dairy and feed pads.
- 4 Demonstration of understanding may be assessed in a number of ways, which could include ability to complete practical tasks, if it is clear that the understanding is essential underpinning knowledge to the task/s, and that the task/s could not be completed without the candidate having that knowledge.
- 5 In the context of this unit standard, *understanding* means that there should be evidence of a learners' thorough comprehension of a topic. A learner with a good understanding of a topic should have applied, or should be able to apply what they have learnt to a workplace situation and will be able to alter their practices to the different contexts they are applying their learning to. Assessors should be confident that the learners' understanding is embedded in their practices and behaviour.

Outcomes and performance criteria

Outcome 1

Demonstrate understanding of dairy effluent and how it affects the on-farm environment according to established industry guidelines.

Performance criteria

- 1.1 Identifies the physical components of dairy farm effluent and the reasons for their variability.
- 1.2 Identifies the chemical components of dairy farm effluent and describe its potential as a fertiliser.
- 1.3 Describes how dairy farm effluent affects the on-farm environment.
- 1.4 Describes the potential impacts to animal health of applying dairy farm effluent to pastures.

Outcome 2

Demonstrate understanding of environmental protection practices for a dairy effluent management system.

Performance criteria

- 2.1 Describes local authority bylaws and industry guidelines for a dairy effluent management system.
- 2.2 Describes the legal, economic, social and environmental consequences of non-compliance.
- 2.3 Describes workplace emergency procedures for corrective action to be taken in response to environmental incidents.

Outcome 3

Demonstrate understanding of the characteristics of a specific dairy effluent management system.

Performance criteria

- 3.1 Identifies the operational requirements of the dairy effluent management system.
- 3.2 Identifies advantages and disadvantages of the dairy effluent management system.

Range at least two advantages and two disadvantages.

- 3.3 Identifies the components of the dairy effluent management system and their function.
- 3.4 Identifies a range of operational problems that may have adverse environmental effects.
- Range at least three operational problems.

Replacement information	<p>This unit standard and unit standard 28941 were replaced by unit standard 32008.</p> <p>This unit standard replaced unit standards 25726, 25727, 25728, 25729, 25730, 25731, 25732.</p>
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This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	16 July 2015	31 December 2022
Review	2	27 February 2020	31 December 2022

Consent and Moderation Requirements (CMR) reference	0052
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.