

Title	Clean milk tankers using a clean-in-place system in a dairy processing operation		
Level	4	Credits	5

Purpose	People credited with this unit standard are able to: describe cleaning methods and processes used for cleaning milk tankers, and clean milk tankers using a clean-in-place (CIP) system, in a dairy processing operation.
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Classification	Dairy Processing > Milk Processing
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Available grade	Achieved
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Guidance Information

- 1 Legislation and regulations relevant to this unit standard include but are not limited to:
 - Health and Safety at Work Act 2015;
 - Health and Safety in Employment Regulations 1995;
 - Animal Products Act 1999;
 - Animal Products (Dairy) Regulations 2005; and any subsequent amendments.
- 2 All evidence presented in this unit standard must be in accordance with:
 - organisational requirements.
- 3 Definition
Organisational requirements – instructions to staff on policies and procedures which are documented in memo, electronic or manual format and are available in the workplace. These requirements include but are not limited to – site specific requirements, manufacturer’s specifications and legislative requirements.

Outcomes and performance criteria

Outcome 1

Describe cleaning methods and processes used for cleaning milk tankers in a dairy processing operation.

Performance criteria

- 1.1 Describe a CIP programme sequence.

Range CIP programme sequence may include but is not limited to – pre-rinsing, cleaning, post-rinsing, sanitising; evidence of three sequences is required.
- 1.2 Describe objectives of cleaning in terms of soil removal, product quality, and product safety.
- 1.3 Describe cleaning control variables in terms of maximising efficiency and effectiveness of cleaning.

Range variables include but are not limited to – thermal energy, chemical energy, kinetic energy, time.
- 1.4 Describe cleaning processes in terms of their application for soil removal and hygiene control.

Range processes include but are not limited to – scrubbing, high pressure cleaning, foam cleaning, clean-in-place; evidence of two processes is required.
- 1.5 Describe the process of cleaning milk tankers in terms of temperatures, detergents, concentration, placement of spray-balls and purpose of each stage of the CIP process.
- 1.6 Describe methods for checking effectiveness of cleaning in terms of frequency, timing, where and what to look for.

Range methods include but are not limited to – visual inspections, swabbing.

Outcome 2

Clean milk tankers using a CIP system in a dairy processing operation.

Performance criteria

- 2.1 Implement a CIP system for cleaning milk tankers.
- 2.2 Monitor the CIP system to ensure efficient and effective cleaning of milk tankers in accordance with manufacturers specifications.
- 2.3 Identify, rectify or report any areas of non-compliance.

Planned review date	31 December 2025
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	18 June 2015	31 December 2023
Review	2	27 May 2021	N/A

Consent and Moderation Requirements (CMR) reference

0022

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact the Primary Industry Training Organisation standards@primaryito.ac.nz if you wish to suggest changes to the content of this unit standard.