

<b>Title</b>	<b>Load and unload dairy tankers in a dairy processing operation</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>8</b>

<b>Purpose</b>	People credited with this unit standard are able to: prepare dairy tankers for loading; prepare to unload dairy tankers; operate and monitor the dairy tanker loading and unloading process; and complete loading and unloading of a dairy tanker in a dairy processing operation.
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<b>Classification</b>	Dairy Processing > Milk Processing
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Legislation and regulations relevant to this unit standard include but are not limited to:
  - Animal Products Act 1999;
  - Health and Safety at Work Act 2015;
  - 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 Definitions
 

*Equipment* – refers to bulk storage facilities and/or tanks, filters, pumps, manifolds, hoses, pipe-work, valves, strainers/filters, booms, gauges and meters.

*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 include but are not limited to site-specific and company standard operating procedures (SOP), food safety, environmental, bio-security and quality management requirements.
- 4 This unit standard has application to both road and rail transportation systems used in the dairy industry.
- 5 This unit standard must be assessed in a realistic workplace environment. The candidate must be under realistic time pressures and use relevant commercial equipment.

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## Outcomes and performance criteria

### Outcome 1

Prepare dairy tankers for loading in a dairy processing operation.

#### Performance criteria

- 1.1 Check the loading schedule to meet loading requirements.
- 1.2 Select fit for purpose tankers that meet hygiene standards for receiving liquid product.
- 1.3 Check transfer equipment is in operational condition.
- 1.4 Select transfer equipment settings and operating parameters to meet safety and loading requirements.
- 1.5 Confirm type, quantity available and suitability of liquid product for loading.

### Outcome 2

Prepare to unload dairy tankers in a dairy processing operation.

#### Performance criteria

- 2.1 Confirm material type and quantities against received documentation.
- 2.2 Clear materials for operation.
- 2.3 Identify bulk storage locations, holdings and capacities.
- 2.4 Confirm actual to recorded holding levels.
- 2.5 Confirm transfer equipment is in operational condition.  
  
Range transfer equipment may include but is not limited to – pipe work, valves, pumping equipment, gravity flow systems; evidence of three equipment types is required.
- 2.6 Identify and follow dairy processing site access requirements.  
  
Range evidence of three sites is required.

### Outcome 3

Operate and monitor the dairy tanker loading and unloading process in a dairy processing operation.

**Performance criteria**

- 3.1 Start and operate the tanker loading and unloading processes.
- 3.2 Monitor equipment to confirm load transfer to correct location in correct quantities.
- 3.3 Comply with workplace housekeeping standards.
- 3.4 Maintain workplace records in relation to loading and unloading liquid product.
- 3.5 Follow sampling procedures to collect milk samples.
- 3.6 Observe safe work practices.

**Outcome 4**

Complete loading and unloading of a dairy tanker in a dairy processing operation.

**Performance criteria**

- 4.1 Select equipment settings to complete loading and unloading operations.
- 4.2 Purge product from lines.
- 4.3 Clean and prepare equipment for further loading and unloading.
- 4.4 Record information on the loading operation.
- 4.5 Identify and report maintenance requirements.  
  
Range maintenance items include but are not limited to – prime mover, tanker units, farm dairy, farm access/roads.
- 4.6 Observe safe work practices.

<b>Planned review date</b>	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	27 October 2005	31 December 2013
Rollover	2	17 July 2009	31 December 2016
Review	3	16 July 2015	31 December 2024
Review	4	27 May 2021	N/A
Revision	5	26 January 2023	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0022
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

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### Comments on this unit standard

Please contact the Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council [qualifications@hangaarorau.nz](mailto:qualifications@hangaarorau.nz) if you wish to suggest changes to the content of this unit standard.