

Title	Carry out a bulk liquid transfer process for a dairy processing operation		
Level	4	Credits	5

Purpose	People credited with this unit standard are able to prepare bulk liquid transfer equipment and identify correct process for a bulk liquid transfer, and transfer bulk liquid materials, for 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;
 - 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 Definitions

Bulk liquid transfer equipment – refers to tanks, vats, silos, vessels, pumps, valves, gauges, pipe-work, screens and filters, tank measurement instrumentation.

Materials – raw milk or processed product.

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 requirements, standard operating procedures (SOPs), occupational health and safety, food safety and company quality management requirements.
- 4 This unit standard will normally apply to operators included in the milk storage and transfer area but may also apply to plant operators who conduct these functions.
- 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.

Outcomes and performance criteria

Outcome 1

Prepare bulk liquid transfer equipment and identify correct process for a bulk liquid transfer.

Performance criteria

- 1.1 Identify tank locations, product and/or materials holding levels and capacities.
- 1.2 Select and check transfer settings to ensure correct transfer location and safety.
- 1.3 Carry out checks, tests or materials and/or product clearance procedures prior to transfer.
- 1.4 Transfer materials to match storage capacity and production requirements.

Outcome 2

Transfer bulk liquid materials for a dairy processing operation.

Performance criteria

- 2.1 Start and carry out the transfer process.
- 2.2 Monitor the transfer process to confirm correct transfer quantities and equipment settings.
- 2.3 Purge product and/or materials from lines.
- 2.4 Identify, rectify and/or report any out-of-specification product, process and equipment performance.
- 2.5 Clean and sanitise transfer equipment.
- 2.6 Collect, treat and dispose of or store waste for recycling.
- 2.7 Record workplace information.
- 2.8 Shut down transfer equipment.

Range shutdown includes but is not limited to – putting plant on standby, routine, emergency.

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	27 October 2005	31 December 2013
Rollover and Revision	2	17 July 2009	31 December 2016
Review	3	18 June 2015	31 December 2024
Review	4	27 May 2021	N/A
Revision	5	26 January 2023	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 Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council qualifications@hangaarorau.nz if you wish to suggest changes to the content of this unit standard.