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**DAIRY SUPPLY CHAIN**  
**Load and unload milk tankers in the**  
**dairy industry**

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<b>level:</b>	<b>4</b>
<b>credit:</b>	<b>4</b>
<b>final date for comment:</b>	October 2007
<b>expiry date:</b>	December 2008
<b>sub-field:</b>	Dairy Manufacturing
<b>purpose:</b>	People credited with this unit standard are able to: prepare transport tankers for loading; prepare to unload transport; operate and monitor the tanker loading and/or unloading process; and complete loading and/or unloading operations in the dairy industry.
<b>entry information:</b>	Open.
<b>accreditation option:</b>	Evaluation of documentation and visit by NZQA and industry.
<b>moderation option:</b>	A centrally established and directed national moderation system has been set up by the New Zealand Industry Training Organisation.
<b>special notes:</b>	<ol style="list-style-type: none"><li>1 Definitions <i>Organisational requirements</i> refer to instructions to staff on policy and procedures which are documented in memo and/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. <i>Equipment</i> refers to bulk storage facilities and/or tanks, filters, pumps, manifolds, hoses, pipe-work, valves, strainers/filters, booms, gauges and meters.</li><li>2 Legislation relevant to this unit standard includes but is not limited to – Health and Safety in Employment Act 1992; Animal Products (Dairy) Regulations 2005; and Resource Management Act 1991.</li></ol>

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- 3 This unit standard has application to both road and rail transportation systems used in the dairy industry.

### **Elements and Performance Criteria**

#### **element 1**

Prepare transport tankers for loading in the dairy industry.

#### **performance criteria**

- 1.1 The loading schedule is checked to meet loading and organisational requirements.
- 1.2 Tankers are fit for purpose and meet cleaning standards and organisational requirements.
- 1.3 Transfer equipment is in operational condition according to organisational requirements.
- 1.4 Transfer equipment settings and operating parameters are selected to meet safety, loading and organisational requirements.
- 1.5 Bulk products are located to confirm type, quantity available and suitability for loading according to organisational requirements.
- 1.6 Priorities for loading are established to meet delivery and organisational requirements.

#### **element 2**

Prepare to unload transport in the dairy industry.

#### **performance criteria**

- 2.1 Received documentation is checked to confirm material type and quantities according to organisational requirements.

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- 2.2 Materials are cleared for operation according to organisational requirements.
- 2.3 Bulk storage locations, holdings and capacities are identified according to organisational requirements.
- 2.4 Actual to recorded holding levels are confirmed according to organisational requirements.
- 2.5 Transfer equipment is in operational condition according to organisational requirements.
- Range: transfer equipment may include but is not limited to – pipe work, valves, pumping equipment, gravity flow systems.
- 2.6 Priorities for unloading are established to meet delivery and organisational requirements.

**element 3**

Operate and monitor the tanker loading and/or unloading process in the dairy industry.

**performance criteria**

- 3.1 The tanker loading and/or unloading process is started and operated according to organisational requirements.
- 3.2 Equipment is monitored to confirm load transfer to correct location in correct quantities according to organisational requirements.
- 3.3 Variation in equipment operation is identified and maintenance requirements are reported according to organisational requirements.
- 3.4 Workplace housekeeping standards meet organisational requirements.
- 3.5 Workplace records are maintained according to organisational requirements.
- 3.6 Sampling produces are followed according to organisational requirements.
- 3.7 Safe work practices are observed in accordance with organisational requirements.

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**element 4**

Complete loading and/or unloading operations in the dairy industry.

**performance criteria**

- 4.1 Equipment settings are selected to complete loading and/or unloading operation according to organisational requirements.
- 4.2 Product is purged from lines, if required, according to organisational requirements.
- 4.3 Equipment is cleaned and prepared for further loading and unloading according to organisational requirements.
- 4.4 Information on the loading operation is recorded according to organisational requirements.
- 4.5 Maintenance requirements are identified and reported according to organisational requirements.
- Range: maintenance requirements include but are not limited to – prime mover, tanker units, farm dairy, farm access/roads.
- 4.6 Safe work practices are observed in accordance with organisational requirements.

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**Comments on this unit standard**

Please contact New Zealand Industry Training Organisation mail@nzito.co.nz if you wish to suggest changes to the content of this unit standard.

**Please Note**

Providers must be accredited by the Qualifications Authority or a delegated inter-institutional body before they can register credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be accredited by the Qualifications Authority before they can register credits from assessment against unit standards.

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Accredited providers and Industry Training Organisations assessing against unit standards must engage with the moderation system that applies to those standards.

Accreditation requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP also includes useful information about special requirements for providers wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

This unit standard is covered by AMAP 0022 which can be accessed at <http://www.nzqa.govt.nz/site/framework/search.html>.