

Title	Operate a water cart on infrastructure worksites		
Level	3	Credits	6

Purpose	People credited with this unit standard are able to: describe water carts; prepare to carry out water cart operations; manoeuvre and control a water cart on site; apply water to surfaces using a water cart; and complete post-operational procedures for a water cart.
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Classification	Infrastructure Works > Infrastructure Works Equipment
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Available grade	Achieved
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Prerequisite	Class of driver licence and any driver licence endorsement appropriate for the vehicle being driven.
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Guidance Information

- 1 Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with relevant legislative and industry requirements.
- 2 Legislation relevant to this unit standard includes:
 - Health and Safety at Work Act 2015;
 - *The Official New Zealand Truck Loading Code:2017*; available from www.nzta.govt.nz;
 - and all subsequent amendments and replacements.
- 3 Definition
Industry requirements refer to relevant policies, processes, methodologies, industry codes of practice, site specific health and safety plans, standard operating procedures, site safety plans, quality plans, work plans, traffic management plans, contract work programmes, job safety analysis, safe work method statements, job instructions, manufacturer's requirements, contract specifications, manuals, procedural documents. Waka Kotahi New Zealand Transport Agency specifications and guidelines.

Outcomes and performance criteria

Outcome 1

Describe water carts.

Performance criteria

- 1.1 Water carts and their controls are described in terms of purpose and function, and correct operation.
- 1.2 Types and weights of water cart are described in terms of their capabilities and limitations, and suitability for specific infrastructure works tasks.
- 1.3 Water carts are described in terms of their safety features and requirements for safe use.

Outcome 2

Prepare to carry out water cart operations.

Performance criteria

- 2.1 Job instructions are confirmed.
- 2.2 Pre-start check of machine, 360 walkaround, including pump and connections, are carried out prior to starting work and any required action is taken.

Range machine operation, damage, wear, and tear.
- 2.3 A risk assessment of the site and machine is carried out, and any identified hazards are eliminated or minimised.
- 2.4 Site communication protocols are confirmed.

Outcome 3

Manoeuvre and control a water cart on site.

Performance criteria

- 3.1 Water cart is manoeuvred on site with adequate clearances in accordance with job instructions.
- 3.2 Water cart is manoeuvred with smoothness of movement and machine stability.
- 3.3 Survey pegs and settings are preserved when manoeuvring water cart.

Outcome 4

Apply water to surfaces using a water cart.

Performance criteria

- 4.1 Water cart is filled.

4.2 Surface is watered.

Range application rate, watering sequence, watering method.

4.3 Dust is controlled.

Outcome 5

Complete post-operational procedures for a water cart.

Performance criteria

5.1 Water cart is parked, shut down safely, and secured, and daily maintenance is carried out.

5.2 Water cart is inspected, and any faults are reported.

Planned review date	31 December 2026
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	25 February 2004	31 December 2014
Review	2	25 September 2006	31 December 2014
Review	3	17 September 2010	31 December 2016
Review	4	19 February 2015	31 December 2021
Review	5	27 September 2018	31 December 2023
Review	6	30 September 2021	N/A

Consent and Moderation Requirements (CMR) reference	0101
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact Connexis - Infrastructure Industry Training Organisation qualifications@connexis.org.nz if you wish to suggest changes to the content of this unit standard.