

Title	Operate an articulated dump truck on infrastructure worksites		
Level	3	Credits	20

Purpose	People credited with this unit standard are able to: describe articulated dump trucks (ADTs); prepare for ADT operations; manoeuvre and control ADT on site; receive loads, transport, and dump material using an ADT; and complete post-operational for ADT.
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Classification	Infrastructure Works > Civil Plant Operation
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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 and code 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 ADTs.

Performance criteria

- 1.1 ADTs and their controls are described in terms of purpose and function, and correct operation.
- 1.2 Types and weights of ADT are described in terms of their capabilities and limitations, and suitability for specific infrastructure works tasks.
- 1.3 ADTs are described in terms of their safety features and requirements for safe use.
- Range visibility checks and safe initial response to dump truck immobilisation.

Outcome 2

Prepare for ADT operations.

Performance criteria

- 2.1 Job instructions are confirmed.
- 2.2 Pre-start check of machine and 360 walkaround 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 for 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 ADT on site.

Performance criteria

- 3.1 ADT is manoeuvred and controlled on site with adequate clearances.
- 3.2 ADT is controlled on slopes and cambers.
- 3.3 ADT is manoeuvred with smoothness of movement and machine stability.
- 3.4 ADT is controlled in different ground conditions.
- 3.5 Structures are preserved when manoeuvring ADT.
- 3.6 Machine production is maintained at maximum usage relative to the task and the safety of the operator.
- Range lead times, vehicle speed, distance.

Outcome 4

Receive loads, transport, and dump material using an ADT.

Performance criteria

- 4.1 ADT is parked and loaded.
- 4.2 ADT is driven on haul road at steady speed.
- 4.3 Communication is made with other vehicles on haul road.
- 4.4 Materials are dumped to stockpile, waste, or fill area.
- 4.5 ADT is square before tipping off.

Outcome 5

Complete post-operational procedures for ADT.

Performance criteria

- 5.1 ADT is shut down safely and secured, and daily maintenance is carried out.
- 5.2 ADT 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	30 May 2000	31 December 2014
Review	2	25 September 2006	31 December 2016
Review	3	19 February 2015	31 December 2021
Review	4	27 September 2018	31 December 2023
Review	5	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.