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|--------------|---|----------------|-----------|
| <b>Title</b> | <b>Operate a rigid dump truck on infrastructure worksites</b> |                |           |
| <b>Level</b> | <b>3</b>  | <b>Credits</b> | <b>20</b> |

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| <b>Purpose</b> | People credited with this unit standard are able to: describe rigid dump trucks; prepare for rigid dump truck operations; manoeuvre and control a rigid dump truck on site; load, transport, and dump material; and complete post-operational procedures for a rigid dump truck. |
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| <b>Classification</b> | Infrastructure Works > Civil Plant Operation |
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| <b>Available grade</b> | Achieved |
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| <b>Prerequisite</b> | 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](http://www.nzta.govt.nz);
  - and all subsequent amendments and replacements.
- 3 Definitions
 

*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.

*Rigid dump trucks* for the purposes of this unit standard, are heavy rigid dump vehicles with load capacity of at least 20 tonnes.

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## Outcomes and performance criteria

### Outcome 1

Describe rigid dump trucks.

**Performance criteria**

- 1.1 Rigid dump trucks and their controls are described in terms of purpose and function, and correct operation.
- 1.2 Types and weights of rigid dump truck are described in terms of their capabilities and limitations, and suitability for specific infrastructure works tasks.
- 1.3 Rigid dump trucks 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 rigid dump truck 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 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 rigid dump truck on site.

**Performance criteria**

- 3.1 Truck is manoeuvred and controlled on site with adequate clearances.
- 3.2 Truck is controlled on slopes and cambers.
- 3.3 Truck is manoeuvred with smoothness of movement and machine stability.
- 3.4 Truck is controlled in wet site conditions.
- 3.5 Emergency braking is demonstrated.

Range laden, unladen.

- 3.6 Structures are preserved when manoeuvring truck.

3.7 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**

Load, transport, and dump material.

**Performance criteria**

4.1 Rigid dump truck is positioned in relation to loading equipment.

Range queuing, off-side loading, on-side loading, loading through the rear, reversing, communication with loading operator.

4.2 Tiphead procedures are explained and demonstrated.

Range procedures include – approach, visual check, positioning, exit.

4.3 Load is dumped in accordance with job instructions.

Range may include but is not limited to – bin, waste area, stockpile, structural fill; evidence of two dump sites is required.

**Outcome 5**

Complete post-operational procedures for a rigid dump truck.

**Performance criteria**

5.1 Dump truck is parked, shut down safely and secured, and daily maintenance is carried out.

5.2 Dump truck is inspected, and any faults are reported.

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| <b>Planned review date</b> | 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       | 17 September 2010 | 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                      |

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| <b>Consent and Moderation Requirements (CMR) reference</b> | 0101 |
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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 Connexis - Infrastructure Industry Training Organisation [qualifications@connexis.org.nz](mailto:qualifications@connexis.org.nz) if you wish to suggest changes to the content of this unit standard.