

<b>Title</b>	<b>Operate a front end loader vehicle for transportation of waste</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>10</b>

<b>Purpose</b>	People credited with this unit standard are able to: apply knowledge of specific care and safety requirements to operate a front end loader; load and compact waste from front end loader containers into a front end loader vehicle; and unload waste from a front end loader vehicle and complete the relevant documentation.
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<b>Classification</b>	Commercial Road Transport > Transportation of Waste and Recoverable Resources
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<b>Available grade</b>	Achieved
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<b>Prerequisites</b>	Drivers must hold a current full driver licence and/or endorsement appropriate to the class of vehicle being driven.  Unit 17593, <i>Apply safe work practices in the workplace</i> , or demonstrate equivalent knowledge and skills.
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## Guidance Information

- Legislation, regulations, references and/or industry standards relevant to this unit standard include but are not limited to the:
  - Health and Safety at Work Act 2015;
  - Land Transport Act 1998;
  - Resource Management Act 1991;
  - Health and Safety in Employment Regulations 1995;
  - Traffic Regulations 1976;
  - Land Transport (Driver Licensing) Rule 1999 (Rule 91001);
  - Land Transport Rule: Vehicle Repair 1998 (Rule 34001);
  - Land Transport Rule: Vehicle Standards Compliance 2002 (Rule 35001);
  - Local authority regulations and by-laws;
  - Waka Kotahi New Zealand Transport Agency (NZTA). *Official New Zealand Road Code* (Current edition). (Applicable to the vehicle being driven). Available from: <https://www.nzta.govt.nz/roadcode>;
  - Waste Management Institute of New Zealand (2022). *Health and Safety Guidelines for the Solid Waste and Resource Recovery Sector – part two (Chapter 29, Front loading collection vehicles)*. Available from: <https://www.wasteminz.org.nz/sector-groups>.

Any new, amended or replacement Acts, regulations, rules, standards, codes of practice, guidelines, or authority requirements or conditions affecting this unit standard will take precedence for assessment purposes, pending review of this unit standard.

## 2 Definitions

*Front end loader vehicle* refers to a heavy rigid motor vehicle to which is mounted a compaction type body. The vehicle consists of a compacting body which houses a hydraulically operated packer assembly used to compress the waste, a lid on the top of the body at the front which opens to allow the waste to be deposited inside, a tail door which is used to empty the whole body of waste, two large arms holding a twin fork assembly, and an hydraulically operated ejector blade that pushes waste out the tail door when emptying the body.

*Lockout* refers to a state in which energy in the system from all sources, including electrical and hydraulic, is reduced to zero.

*Workplace procedures* refer to organisation policies and procedures that are documented in memo, electronic, or manual format and available in the workplace. They may include but are not limited to – standard operating procedures, site specific procedures, site safety procedures, equipment operating procedures, quality assurance procedures, product quality specifications, manufacturer's requirements, references, approved codes of practice, housekeeping standards, environmental considerations, on-site briefings, supervisor's instructions, and procedures to comply with legislative and local body requirements relevant to the waste transport sector.

## 3 Assessment information

While every assessment situation may not provide opportunity for evidence of every performance criterion, evidence may be obtained over a period of time on the job, over several assessment opportunities, or through other means such as attestation and the use of questioning.

Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable service information, workplace procedures and legislative requirements.

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## Outcomes and performance criteria

### Outcome 1

Apply knowledge of specific care and safety requirements to operate a front end loader.

### Performance criteria

1.1 Cleaning and non-technical maintenance of the vehicle are undertaken.

Range daily, periodical, lockout procedure included where required.

1.2 Safety items are used and stored.

Range includes but is not limited to – gloves, helmet, footwear, high visibility vest, first aid kit, broom and shovel, and, where provided on the vehicle, fire extinguisher, spill kit.

1.3 Procedure for handling or non-handling of visible hazardous materials from front end loader containers is demonstrated.

1.4 Procedures for clearing blockages from the hopper are undertaken.

Range lockout, climbing on and off the vehicle, problem identification, solving the problem.

## Outcome 2

Load and compact waste from front end loader containers into a front end loader vehicle.

### Performance criteria

2.1 Potential hazards are identified and avoided, power take off (PTO) is engaged, and lifting forks are positioned to allow lifting, emptying, and lowering of the container.

Range potential hazards include but are not limited to – overhead, door clearance, vehicle and bin position, other people.

2.2 Vehicle is positioned, forks engaged with the container, doors opened and closed, and container lifted, emptied, and replaced whilst stationary.

2.3 Waste is compacted within the body of the vehicle.

2.4 Vehicle is reversed.

Range includes – the use of audible and visual warning devices.

2.5 PTO is disengaged.

2.6 Any loose waste on the vehicle is cleared prior to moving on.

## Outcome 3

Unload waste from a front end loader vehicle and complete the relevant documentation.

### Performance criteria

3.1 Vehicle is positioned on level, stable ground to ensure vehicle safety and stability for unloading.

3.2 PTO is engaged and tail door is opened.

3.3 Load is discharged using ejector blade or underbody hoist, and PTO is disengaged.

3.4 Vehicle is moved forward, during and after discharge of load, and tail door is closed.

## 3.5 Documentation for disposal of waste is completed.

<b>Planned review date</b>	31 December 2028
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**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	23 November 1999	31 December 2019
Review	2	30 October 2003	31 December 2019
Review	3	18 July 2008	31 December 2019
Review	4	25 July 2019	31 December 2019
Reinstatement	5	29 June 2023	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0014
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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 Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council [qualifications@hangaarorau.nz](mailto:qualifications@hangaarorau.nz) if you wish to suggest changes to the content of this unit standard.