

<b>Title</b>	<b>Operate a liquid waste vacuum tanker</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>9</b>

<b>Purpose</b>	People credited with this unit standard are able to: apply knowledge of specific care and safety requirements to operate a liquid waste vacuum tanker; load waste into and monitor the load in a liquid waste vacuum tanker; manage the load in a liquid waste vacuum tanker; and unload waste from a liquid waste vacuum tanker.
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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 appropriate to the class of vehicle being driven and D (Dangerous Goods) endorsement.
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## Guidance Information

- 1 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;
  - Health Act 1956 sections 54 and 55;
  - Land Transport Act 1998;
  - Resource Management Act 1991;
  - Health and Safety at Work Regulations 2016;
  - Traffic Regulations 1976;
  - Land Transport (Driver Licensing) Rule 1999 (Rule 91001);
  - Land Transport Rule: Dangerous Goods 2005 (Rule 45001/1);
  - Land Transport Rule: Vehicle Repair 1998 (Rule 34001);
  - Land Transport Rule: Vehicle Standards Compliance 2002;
  - Local authority regulations and by-laws, including acceptance criteria for the transfer station as a waste disposal site;
  - SNZ HB 76:2010 *Dangerous goods – Initial emergency response guide*. Available from: <https://www.standards.govt.nz/>;
  - NZS 4304:2002 *Management of Healthcare Waste*. Available from: <https://www.standards.govt.nz/>;
  - Waka Kotahi New Zealand Transport Agency (NZTA). *Official New Zealand Road Code*. (Applicable to the vehicle being driven). Available from: <https://www.nzta.govt.nz/roadcode>;

- ANZ-ERG2021, *Australian and New Zealand Initial Emergency Response Guide Book*. Available from: <https://www.responsiblecarenz.com/>.

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

## 2 Definitions

*Liquid waste vacuum tanker* refers to a heavy rigid or combination motor vehicle upon which is mounted a unit for loading, transporting, and unloading liquid, or wet loose matter, or even dry loose products if required.

*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

Trainers and assessors should be aware of the provisions under NZS 4304 (see above) for vaccinations and blood testing for personnel working with infectious liquid waste.

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.

## Outcomes and performance criteria

### Outcome 1

Apply knowledge of specific care and safety requirements to operate a liquid waste vacuum tanker.

### Performance criteria

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

Range ongoing monitoring and adjustment, if required during operations, for oil feed; daily; periodical.

- 1.2 Safety items are used and stored.
- Range includes but is not limited to – gloves, goggles, helmet, footwear, nose and mouth mask, visibility vest, vehicle placards, first aid kit, and, where provided on the vehicle, fire extinguisher.
- 1.3 Personal health and hygiene procedures are undertaken.
- 1.4 Solid foreign objects that are likely to block the suction hose during loading are removed.
- 1.5 Procedure for clearing a blockage in the suction hose is demonstrated.

## Outcome 2

Load waste into and monitor the load in a liquid waste vacuum tanker.

Range one of – vacuum loading of liquid, airflow loading.

### Performance criteria

- 2.1 The tanker and site are made ready for loading operations.
- Range vehicle positioned relative to intended operation, wand released and suction hose(s) made ready according to intended operation, power source engaged, suction pump engaged, manhole(s) removed as required, water blaster (if mounted) made ready if required to break up waste, valve(s) opened.
- 2.2 The waste tank is monitored during loading operations to ensure the load conforms to legal requirements prior to transportation to the designated disposal site.
- Range amount for truck loading, combination(s) of material loaded.
- 2.3 The vehicle and site are restored to their state prior to the loading operation.

## Outcome 3

Manage the load in a liquid waste vacuum tanker.

### Performance criteria

- 3.1 Documentation for weighing in and tracking of waste is completed.
- Range amount for truck loading, combination/s of material loaded.
- 3.2 Vehicle placarding is checked and any necessary corrections are made.
- 3.3 Vehicle handling during road transportation is demonstrated to compensate for weight transfer due to the movement of tank contents in accordance with best driving practice.

**Outcome 4**

Unload waste from a liquid waste vacuum tanker.

**Performance criteria**

- 4.1 Tank to be unloaded is vented at the designated disposal site.
- 4.2 Waste is disposed of at the designated disposal site.
- 4.3 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 February 2000	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.