

Title	Describe trade waste systems		
Level	3	Credits	4

Purpose	<p>This unit standard is for people who work in the plumbing or drainlaying industries.</p> <p>People credited with this unit standard are able to describe:</p> <ul style="list-style-type: none"> – trade waste types, and its interception for appropriate management; – the installation of trade waste systems; and – maintenance and hand-over of trade waste systems.
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Classification	Plumbing, Gasfitting and Drainlaying > Drainlaying
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Available grade	Achieved
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Guidance Information

- 1 Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to the:
- Building Act 2004;
 - Health and Safety at Work Act 2015;
 - Plumbers, Gasfitters, and Drainlayers Act 2006;
 - Plumbers, Gasfitters, and Drainlayers Regulations 2010;
 - Resource Management Act 1991;
 - Water Services Act 2021.

The following standards, which are available at <http://www.standards.govt.nz>:
 AS/NZS 1546.1:2008 *On-site domestic wastewater treatment units – Septic tanks*;
 AS/NZS 1547:2012 *On-site domestic wastewater management*;
 AS/NZS 3500.2:2021 *Plumbing and drainage, Part 2: Sanitary plumbing and drainage*.

The following guides, which are available at <http://www.worksafe.govt.nz>:
Excavation Safety – Good practice Guidelines;
Underground services – Guide for safety with underground services.

The following Building Code clauses, and any related Acceptable Solution and Verification Method documents, which are available at <https://www.building.govt.nz/>:
 New Zealand Building Code Clause B2 Durability;
 New Zealand Building Code Clause E1 Surface Water;
 New Zealand Building Code Clause G13 Foul Water;
 New Zealand Building Code Clause G14 Industrial Liquid Waste.

Any new, amended or replacement referenced standards, codes of practice, guidelines, Building Code Acceptable Solutions and Verification Methods, or authority requirements affecting this unit standard will take precedence for assessment purposes, pending review of this unit standard.

2 Definitions

Trade waste refers to grease from food processing or preparation; petrol, oil, and lubricants (POL); laboratory waste; acid; high temperature liquids; or other waste as determined by relevant local authorities.

User refers to the person or persons who will discharge material into the trap, or their representative.

Outcomes and performance criteria

Outcome 1

Describe trade waste types, and its interception for appropriate management.

Performance criteria

- 1.1 Describe the different types of trade waste.
- 1.2 Describe key characteristics of types of trade waste that create the need for them to be intercepted for special handling.
- 1.3 Describe the appropriate methods for intercepting and managing trade waste.
- 1.4 Describe regulatory requirements for trade waste discharge.

Range may include but is not limited to – acceptable, conditionally acceptable, and prohibited trade waste, network utility operator trade waste permits.

Outcome 2

Describe the installation of trade waste systems.

Performance criteria

- 2.1 Describe the required features of trade waste systems.
- 2.2 Describe fittings and additional components commonly installed and connected to trade waste systems.

Range may include but is not limited to – grease conversion fluid, water feeds, heat trace.

- 2.3 Describe requirements for trade waste discharge pipework.

Range gradient, materials, venting.

- 2.4 Describe safety and security requirements relating to the location of and access to trade waste systems.

Outcome 3

Describe maintenance and hand-over of trade waste systems.

Performance criteria

- 3.1 Describe preventative and ongoing maintenance requirements for trade waste systems.
- 3.2 Describe the matters to be included in a hand-over briefing to the user.

Range may include but is not limited to – safe operation, permitted types of discharge, permitted volumes of discharge, regular maintenance requirements, limitations on access.

Replacement information	This unit standard and unit standard 30613 replaced unit standard 1102.
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Planned review date	31 December 2029
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	26 October 2017	31 December 2028
Review	2	30 May 2024	N/A

Consent and Moderation Requirements (CMR) reference	0003
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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 Waihanga Ara Rau Construction and Infrastructure Workforce Development Council qualifications@waihangaararau.nz if you wish to suggest changes to the content of this unit standard.