

Title	Maintain foul water systems and sanitary fixtures		
Level	4	Credits	2

Purpose	<p>This unit standard is for people who work in the plumbing industry.</p> <p>People credited with this unit standard are able to:</p> <ul style="list-style-type: none"> – maintain foul water systems; – repair or alter foul water systems; and – maintain sanitary fixtures.
----------------	---

Classification	Plumbing, Gasfitting and Drainlaying > Plumbing
-----------------------	---

Available grade	Achieved
------------------------	----------

Guidance Information

- 1 Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to the:
- Building Act 2004;
 - Building Regulations 1992;
 - Health and Safety at Work Act 2015;
 - Plumbers, Gasfitters, and Drainlayers Act 2006;
 - Plumbers, Gasfitters, and Drainlayers Regulations 2010.

The following standards, which are available at <https://www.standards.govt.nz>:
 AS/NZS 3500.2:2021 *Plumbing and drainage, Part 2: Sanitary plumbing and drainage*.

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 G1 Personal hygiene,
 New Zealand Building Code Clause G10 Piped Services,
 New Zealand Building Code Clause G13 Foul Water.

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

Foul water systems refer to systems for conveying foul water to the outside of the building without leakage, blockage, or allowing foul air to enter the building.

Job specifications refer to instructions (oral, written, graphic) and may include any of the following: manufacturer instructions; design drawing detail specifications; specifications from a specialist source such as an architect, designer, engineer, or a supervisor; and site or work specific requirements.

Maintain may refer to all or any of – repair, upgrade, alter, remove, including preventative measures.

Sanitary fixture refers to any fixture which is intended to be used for sanitation; and includes:

Soil fixtures – A sanitary fixture constructed to receive solid and/or liquid excreted human waste. It includes bedpan disposal units, slop sinks, urinals, water closet pans, and water-flushed sanitary towel disposal units.

Wastewater fixtures – A sanitary fixture used to receive waste and is not a soil fixture. Common wastewater fixtures include basin, shower, laundry tub sink, cleaners sink, bidet.

3 Candidates must hold a current limited certificate trainee authorisation or exemption under supervision as issued under the Plumbers, Gasfitters, and Drainlayers Act 2006.

4 Assessment information

All work must be completed in accordance with job specifications and relevant standards and codes.

5 Level of performance

To achieve this standard the candidate must be capable of consistently performing the requirements:

- to current and relevant legislation, standards and codes (including safety)
- in an environmentally sustainable manner;
- within an acceptable timeframe;
- in the workplace;
- in different and unfamiliar contexts.

Outcomes and performance criteria

Outcome

Maintain foul water systems.

Performance criteria

1.1 Assess installed foul water systems to identify faults in accordance with maintenance requirements.

1.2 Rectify faults in accordance with maintenance requirements.

Range rectification may include – repair, replace, clear.

1.3 Perform regular or preventative maintenance in accordance with maintenance requirements.

1.4 Perform appropriate post maintenance commissioning processes.

Range includes – handover to customer, informing of ongoing maintenance requirements.

Outcome 2

Repair or alter foul water systems.

2.1 Repair or alter a foul water system by cutting in a replacement section.

2.2 Demonstrate jointing methods for jointing of two different materials.

Range may include – band clamped sleeve, plaster/epoxy mortar (epoxy resin), compression, screwed thread, glue/solvent cement/solvent weld, rubber ring, fusion weld (PE).

Outcome 3

Maintain sanitary fixtures.

Range two wastewater fixtures, two soil fixtures.

Performance criteria

3.1 Identify faults in terms of causes and possible means of rectification.

3.2 Rectify faults in accordance with maintenance requirements.

Planned review date	31 December 2029
----------------------------	------------------

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	30 May 2024	N/A

Consent and Moderation Requirements (CMR) reference	0003
--	------

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact Waihangara Ara Rau Construction and Infrastructure Workforce Development Council qualifications@waihangaraarau.nz if you wish to suggest changes to the content of this unit standard.