

Title	Carry out microbiological monitoring for wastewater treatment		
Level	4	Credits	4

Purpose	People credited with this unit standard are able to describe, and carry out, microbiological monitoring for wastewater treatment.
----------------	---

Classification	Water Industry > Wastewater Treatment
-----------------------	---------------------------------------

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

Guidance Information

- 1 Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable legislative and industry requirements.
- 2 Legislation relevant to this unit standard includes: Health and Safety at Work Act 2015, Water Services Act 2021, Resource Management Act 1993, Hazardous Substances and New Organisms (HSNO) Act 1996, and subsequent amendments.
- 3 **Definitions**
Industry requirements include manufacturers' specifications; and enterprise requirements which may include documented workplace policies, procedures, specifications, business, and quality management requirements relevant to the workplace in which assessment is carried out.
Wastewater may include stormwater and sewage systems.
- 4 Learning and assessment activities for this unit standard must be informed by Te Mana o te Wai (refer to [Taumata Arowai](#)) and the *National Policy Statement for Freshwater Management 2020* available from <https://environment.govt.nz/>.

Outcomes and performance criteria

Outcome 1

Describe microbiological monitoring for wastewater treatment.

Performance criteria

- 1.1 Microbiological monitoring is described in terms of purpose and function in wastewater treatment.
- 1.2 Microbes found in wastewater are described in terms of classification and their impact on treatment processes.

1.3 Microbiology of wastewater is described in terms of how it affects effluent quality and acceptable parameters within effluent.

1.4 Microbiological monitoring processes are described.

Outcome 2

Carry out microbiological monitoring for wastewater treatment.

Performance criteria

2.1 Microbiological monitoring is carried out and recorded.

2.2 Any required process adjustments arising from microbiological monitoring are made.

Planned review date	31 December 2026
----------------------------	------------------

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	16 March 2017	31 December 2023
Review	2	28 April 2022	N/A

Consent and Moderation Requirements (CMR) reference	0101
--	------

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 at qualifications@waihanga.nz if you wish to suggest changes to the content of this unit standard.