

Title	Carry out maintenance operations on drinking-water networks		
Level	3	Credits	12

Purpose	People credited with this unit standard are able to carry out maintenance operations on drinking-water networks.
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Classification	Infrastructure Works > Pipeline Construction and Maintenance
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Available grade	Achieved
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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 include: Health and Safety at Work Act 2015, and any subsequent amendments.
- 3 Definitions
Industry requirements refer to relevant policies, processes, methodologies, industry codes of practice, site specific health and safety plans, standard operating procedures, site safety plans, quality plans, work plans, traffic management plans, contract work programmes, job safety analysis, safe work method statements, job instructions, manufacturer's requirements, contract specifications, manuals, procedural documents, Waka Kotahi New Zealand Transport Agency specifications and guidelines.
Job instructions are instructions given to the operator prior to undertaking a job. They may include site safety instructions, contract drawings, and written memos.
- 4 It is recommended learners achieve Unit 32811, *Demonstrate knowledge of drinking-water networks, and materials, fittings, and techniques used for them*, or demonstrate equivalent knowledge and skills before starting this unit standard.

Outcomes and performance criteria

Outcome 1

Carry out maintenance operations on drinking-water networks.

Range evidence is required for three different operations.

Performance criteria

- 1.1 Job instructions are checked and confirmed, and materials and tools are selected.
- 1.2 Network is shut down in accordance with job instructions.
- 1.3 Excavation and any required groundwater control are carried out safely.
- 1.4 Pipes, fittings, and/or joints are installed or maintained in accordance with job instructions.
- 1.5 Drinking-water main is cleaned and prepared for disinfection, disinfection is confirmed as having taken place, and any required testing is carried out in accordance with job instructions.
- 1.6 Pressure testing is carried out.
- 1.7 Backfill, compaction and reinstatement are completed in accordance with job instructions.
- 1.8 Thrust, anti-scour or anchor blocks are installed in accordance with job instructions.

Planned review date	31 December 2026
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Replacement information	This unit standard replaced unit standard 19209, unit standard 19211, unit standard 22097, unit standard 22100, unit standard 24922, and unit standard 27330.
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	27 September 2018	31 December 2023
Review	2	26 August 2021	N/A

Consent and Moderation Requirements (CMR) reference	0101
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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 Connexis - Infrastructure Industry Training Organisation qualifications@connexis.org.nz if you wish to suggest changes to the content of this unit standard.