

Title	Analyse water loss for a drinking-water reticulation network		
Level	4	Credits	4

Purpose	People credited with this unit standard are able to analyse water loss for a drinking-water reticulation network.
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Classification	Water Industry > Water Reticulation
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Available grade	Achieved
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Guidance Information

- 1 Legislation and references relevant to this unit standard include:
Health and Safety at Work Act 2015
Resource Management Act 1991;
NZS 9201.7:2007 [Model general bylaws - Water supply](http://www.standards.govt.nz), available from <http://www.standards.govt.nz>;
Guidelines for Drinking-water Quality Management for New Zealand 2015 (2nd edition);
Drinking Water Standards for New Zealand 2005 (Revised 2008), Ministry of Health, Wellington; and
Local and territorial authority requirements.
- 2 Assessment against this unit standard must take place in a workplace environment. Assessment parameters will depend on site-specific equipment, procedures, and practices. Practices must reflect industry best practice and comply with legislative requirements.
- 3 Evidence is required for one planned method and one reactive method of water loss analysis.
- 4 Definitions
Company requirements include the policy, procedures, and methodologies of the company. They include legislative and regulatory requirements applicable to the company or a specific site. Requirements are documented in the company's health and safety plans, traffic management plans, contract work programmes, quality assurance programmes, policies, and procedural documents.

Outcomes and performance criteria

Outcome 1

Analyse water loss for a drinking-water reticulation network.

Performance criteria

- 1.1 Water loss is explained in terms of ways in which it becomes apparent in a drinking-water reticulation network.
- 1.2 Network plan is obtained, and method of evaluation is determined and confirmed in accordance with situation. and company requirements.
- 1.3 Water loss rate and location of water loss are determined, and cause of water loss is identified in accordance with company requirements.
- 1.4 Details of water loss are recorded and reported, and a course of action is recommended in accordance with acceptable thresholds and company requirements.

Planned review date	31 December 2023
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	29 November 2018	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 ITO qualifications@connexis.org.nz if you wish to suggest changes to the content of this unit standard.