

Title	Demonstrate knowledge of and apply principles of water safety planning for a small drinking-water system		
Level	3	Credits	5

Purpose	People credited with this unit standard are able to: describe the principles of water safety planning; demonstrate knowledge of the tools and resources relevant to water safety planning for small drinking-water systems; and carry out water safety planning for a small drinking-water system.
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Classification	Water Industry > Water Treatment
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Available grade	Achieved
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Guidance Information

- 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.
- Legislation and references relevant to this unit standard include: Health and Safety at Work Act 2015, Water Services Act 2021, the Hazardous Substances and New Organisms Act 1996, Health and Safety at Work (Hazardous Substances) Regulations 2017, and subsequent amendments.
Drinking-water Standards for New Zealand 2005 (Revised 2018), and subsequent replacements, available at www.taumataarowai.govt.nz.
- 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.
Small drinking-water system – a drinking-water supply servicing from 50 to 500 people; and which includes catchment, source, treatment, and distribution.
- Learning and assessment activities for this unit standard must be informed by Te Mana o te Wai (refer to [Taumata Arowai](http://www.taumataarowai.govt.nz)) and the *National Policy Statement for Freshwater Management 2020* available from <https://environment.govt.nz/>.

Outcomes and performance criteria

Outcome 1

Describe the principles of water safety planning.

Performance criteria

- 1.1 The concepts of the likelihood of occurrence, consequences of occurrence and prioritisation of significance are described in terms of their application in risk assessment.
- 1.2 Water Safety Plans are described in terms of the purpose and requirements in drinking-water risk management.
- 1.3 The content of a Water Safety Plan is described in terms of its relationship to risk management of a small drinking-water supply.

Range system description, hazards, risks, preventative measures, improvement schedule, response plans.

Outcome 2

Demonstrate knowledge of the tools and resources relevant to water safety planning for small drinking-water systems.

Performance criteria

- 2.1 Tools and resources relevant to water safety planning are identified and their location and purpose is described.

Range may include – reference material, templates, internal human resources, subject matter experts, technical workshops.

Outcome 3

Carry out water safety planning for a small drinking-water system.

Performance criteria

- 3.1 Risk assessment principles are applied in water safety planning for a small drinking-water supply.
- 3.2 Tools and resources relevant to water safety planning are accessed and used in water safety planning for a small drinking-water supply.

Replacement information	This unit standard replaced unit standard 22874.
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Planned review date	31 December 2026
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	16 March 2017	31 December 2024
Review	2	24 February 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.