

Title	Demonstrate knowledge of water safety planning		
Level	5	Credits	7

Purpose	People credited with this unit standard are able to: demonstrate knowledge of risk management in relation to water safety planning; and describe the preparation, implementation and assessment of Water Safety Plans (WSPs).
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Classification	Water Industry > Drinking-Water Assessment
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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 relevant legislative and industry requirements.
- 2 Legislation and references relevant to this unit standard include: Health Act 1956, and subsequent amendments;
AS/NZS ISO 31000:2009, *Risk management - Principles and guidelines*; available at <https://www.standards.govt.nz/>; and
Ministry of Health. *Handbook for preparing a water safety plan*; 2019, available at <https://www.health.govt.nz/>.
- 3 Definitions
Industry requirements may refer to but are not limited to relevant company policies, processes, methodologies, industry codes of practice, company or site specific health and safety plans, standard operating procedures, site safety plans, quality plans, work plans, contract work programmes, job safety analysis, safe work method statements, job instructions, manufacturer's requirements, contract specifications, manuals, procedural documents.
Water Safety Plan refers to a plan to ensure the safety and continuity of drinking-water through the use of a comprehensive risk assessment and risk management approach that encompasses all steps in water supply from catchment to consumer.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of risk management in relation to water safety planning.

Performance criteria

- 1.1 The nature of risk, concepts of hazard, likelihood of risk, and consequences of risk occurring are described in relation to development of WSPs.
- 1.2 The differences between risk assessment and the quantification of risk are described in relation to development of WSPs.
- 1.3 Hazards are described in terms of performance monitoring, parameters, and control limits.
- 1.4 Prioritisation of risk is described in terms of impact on public health and development of WSPs.
- 1.5 Risk management is described in terms of preventive actions, contingency plans, and improvement schedules.

Outcome 2

Describe the preparation, implementation and assessment of WSPs.

Performance criteria

- 2.1 WSPs are described in terms of the relationship between the improvement schedule and other management systems.
- 2.2 WSPs are described in terms of the roles and functions of organisations in their preparation and ongoing implementation.

Range includes but is not limited to – drinking-water supplier, Taumata Arowai, compliance officers.
- 2.3 WSPs are described in terms of the assessment process for adequacy, the outcome of the assessment process, and the procedures for implementation, review, and renewal.

Replacement information	This unit standard replaced unit standard 18439.
Planned review date	31 December 2025

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	19 September 2008	31 December 2018
Review	2	16 March 2017	31 December 2022
Review	3	28 January 2021	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 Connexis - Infrastructure Industry Training Organisation qualifications@connexis.org.nz if you wish to suggest changes to the content of this unit standard.