

<b>Title</b>	<b>Demonstrate knowledge of the regulatory framework relevant to drinking-water supply</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	People credited with this unit standard are able to: identify and explain legislation, regulations, agencies, and cultural protocols that have an impact on drinking-water supply; and describe New Zealand's drinking-water strategy, the application of the <i>Drinking-Water Standards for New Zealand</i> , and the application of Drinking-water Safety Plans.
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<b>Classification</b>	Water Industry > Water Treatment
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<b>Available grade</b>	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, Hazardous Substances and New Organisms (HSNO) Act 1996, Resource Management Act 1991, and subsequent amendments; Ministry of Health, *Drinking-water Standards for New Zealand*, Ministry of Health, Wellington, 2005 (Revised 2018), and subsequent replacements, available at [www.taumataarowai.govt.nz](http://www.taumataarowai.govt.nz).
- Definition  
*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.
- 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/>.

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### Outcomes and performance criteria

#### Outcome 1

Identify and explain legislation, regulations, agencies, and cultural protocols that have an impact on drinking-water supply.

**Performance criteria**

- 1.1 Acts relevant to drinking-water supply are identified and their purpose and impact on drinking-water supply management and systems are explained.
- 1.2 Regulations relevant to drinking-water supply are identified and their purpose and impact on drinking-water supply management and systems are explained.
- 1.3 Agencies relevant to drinking-water supply are identified and their purpose and impact on drinking-water supply management and systems are explained.
- 1.4 Cultural protocols relevant to drinking-water supply are identified and their purpose and impact on drinking-water supply management and systems are explained.

**Outcome 2**

Describe New Zealand's drinking-water strategy.

**Performance criteria**

- 2.1 Drinking-water supplies are described in terms of sources, treatment plants, and distribution zones.
- 2.2 The New Zealand drinking-water strategy is described in terms of its historical context, and the relationship of its components.

**Outcome 3**

Describe the application of the *Drinking-Water Standards for New Zealand*.

**Performance criteria**

- 3.1 The *Drinking-Water Standards for New Zealand* are described in terms of the Health Act and regulatory framework for community drinking-water supplies in New Zealand.
- 3.2 Maximum Acceptable Values (MAVs) and determinands are described in terms of the Drinking-Water Standards.  
  
Range selection of determinands, priority classes for determinands, compliance and transgressions.
- 3.3 Compliance with biological, protozoal, viral, chemical, radiological and cyanobacterial MAVs is described in terms of the Drinking-Water Standards.
- 3.4 Small drinking-water supplies and tankered drinking-water supplies compliance requirements are described in terms of the *Drinking-Water Standards for New Zealand*.

- 3.5 Aesthetic assessment of a community drinking-water supply is described in terms of the *Drinking-Water Standards for New Zealand*.
- 3.6 Aggressive water, plumbosolvency, and corrosion metals are described and distinguished from Priority 2 metals in terms of the *Drinking-Water Standards for New Zealand*.

#### Outcome 4

Describe the application of Drinking-water Safety Plans.

#### Performance criteria

- 4.1 Drinking-water Safety Plans are explained in terms of requirements, purpose, and content.
- 4.2 Risk is described in terms of the concepts of identification, assessment, probability, and consequences.
- 4.3 Risk management is described in terms of preventive actions, contingency plans, and improvement schedules that would be included in a Water Safety Plan.
- 4.4 Drinking-water Safety Plans are described in terms of the relationship between the improvement schedule and other asset management systems.
- 4.5 Drinking-water Safety Plans are described in terms of the assessment process for adequacy, the outcome of the assessment process, and the procedures for implementation.

<b>Replacement information</b>	This unit standard replaced unit standard 18440.
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<b>Planned review date</b>	31 December 2027
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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	26 May 2022	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0101
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

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**Comments on this unit standard**

Please contact Waihanga Ara Rau Construction and Infrastructure Workforce Development Council at [qualifications@WaihangaAraRau.nz](mailto:qualifications@WaihangaAraRau.nz) if you wish to suggest changes to the content of this unit standard.