

<b>Title</b>	<b>Plan and conduct inspections of drinking-water supplies, and verify compliance with WSP and DWSNZ</b>		
<b>Level</b>	<b>5</b>	<b>Credits</b>	<b>12</b>

<b>Purpose</b>	<p>People credited with this unit standard are able to: review a drinking-water treatment supply Water Safety Plan (WSP) and supporting documents; prepare a drinking-water supply catchment, treatment plant, and distribution system inspection plan; establish conformance or non-conformance of the drinking-water supply with the drinking-water supplier's WSP; and determine and document areas of compliance and non-compliance of the water supply with the <i>Drinking-Water Standards for New Zealand (DWSNZ)</i>, and inform the drinking-water supplier of the findings.</p>
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<b>Classification</b>	Water Industry > Drinking-Water Assessment
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<b>Available grade</b>	Achieved
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### Guidance Information

- Legislation and references relevant to this unit standard include: Health Act 1956, Resource Management Act 1991, and subsequent amendments;  
 AS/NZS ISO 31000:2009 *Risk Management – Principles and guidelines: Drinking-Water Standards for New Zealand, 2005 (Revised 2008)*. Ministry of Health, Wellington;  
*Water Safety Plan Guides for Drinking Water Supplies*, available from the Ministry of Health, <http://www.health.govt.nz>;  
*Small Drinking-Water Supplies: Preparing a water safety plan*, Ministry of Health, Wellington, 2014;  
*A Framework on How to Prepare and Develop Water Safety Plans for Drinking Water Supplies*, Ministry of Health, Wellington, 2014.
- Definitions  
*Drinking-water supply* – the supply catchment, treatment plant, and distribution including tankers. The drinking-water supplier has responsibility for managing the public health risks of the drinking-water supply.  
*Organisational procedures* – instructions to staff, and procedures which are documented in memo or manual format and are available in the workplace. These requirements include but are not limited to – site specific requirements, manufacturers' specifications, product quality specifications, and legislative or regulatory requirements.  
*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.

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## Outcomes and performance criteria

### Outcome 1

Review a drinking-water treatment supply Water Safety Plan (WSP) and supporting documents.

#### Performance criteria

- 1.1 Historical record of inspections is reviewed in the context of the WSP, supporting documents, and any outstanding issues are identified.
- 1.2 Risks to be assessed are identified, taking into account the results of assessment of the WSP and supporting documents.

### Outcome 2

Prepare a drinking-water supply catchment, treatment plant, and distribution system inspection plan.

#### Performance criteria

- 2.1 Inspection objectives identified are based on scope and requirements, and are in accordance with organisational procedures.
- 2.2 Key aspects of inspection are established in accordance with organisational procedures and results of adequacy assessment.  
  
Range public health risks, supply controls, improvements associated with the WSP.
- 2.3 Inspection priorities identified are based on public health risk.  
  
Range examples – compliance history, DWSNZ achievement, transgression events, incidence reports, grading reports.
- 2.4 Inspection schedule is established in accordance with organisational procedures.  
  
Range examples – specification of sites and processes to be inspected, allocation of inspection responsibilities, preferred time and timetable for inspection, inspection objectives, specification of pre-inspection communication protocols, resources required.

**Outcome 3**

Establish conformance or non-conformance of the drinking-water supply with the drinking-water supplier's WSP.

**Performance criteria**

- 3.1 Inspection is carried out in accordance with organisational procedures and the inspection plan.
- 3.2 Inspection verifies conformance or non-conformance with the drinking-water supplier's WSP.
- 3.3 Observations from inspection are recorded in accordance with organisational procedures.

**Outcome 4**

Determine and document areas of compliance and non-compliance of the water supply with the *Drinking-Water Standards for New Zealand (DWSNZ)*, and inform the drinking-water supplier of the findings.

**Performance criteria**

- 4.1 Incidents of compliance and non-compliance with Drinking-Water standards are identified in accordance with the *Drinking-Water Standards for New Zealand*.
- 4.2 Findings are documented, and any non-compliance or non-conformance situations requiring immediate action are identified in accordance with organisational procedures.
- 4.3 The drinking-water supplier is informed of findings in accordance with organisational procedures.

<b>Replacement information</b>	This unit standard replaced unit standard 18442 and unit standard 18443.
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**This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.**

**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	31 December 2022

<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>.

This unit standard is expiring