

<b>Title</b>	<b>Service, clean, disinfect, and restore reservoirs or reticulation mains</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>4</b>

<b>Purpose</b>	People credited with this unit standard are able to service, clean, disinfect, and restore reservoirs or reticulation mains.
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<b>Classification</b>	Water Industry > Water Reticulation
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Legislation and references relevant to this unit standard include:  
 Health and Safety at Work Act 2015;  
 Substances and New Organisms (HSNO) Act 1996, and subsequent amendments;  
 AS/NZS 2865:2009 – *Confined spaces*, available from <https://infostore.saiglobal.com/>;  
*Excavation Safety – Good Practice Guidelines 2016*, available from <http://www.worksafe.govt.nz/worksafe/information-guidance/all-guidance-items/excavation-safety-gpg>;  
*Land Development and Subdivision Infrastructure*, available from <http://www.standards.govt.nz>;  
 Local authority hygiene codes.
- 2 Definitions  
*Disinfection* means the use of chlorine at higher than normal reticulation supply levels.  
*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.
- 3 Evidence is required for either a water reservoir or a reticulation main;  
 a water reservoir may include but is not limited to one of – a newly constructed reservoir, a planned maintenance;  
 a reticulation main may include but is not limited to one of – disinfection of a newly laid main, a planned repair, repair following an unplanned main failure.

### Outcomes and performance criteria

#### Outcome 1

Service, clean, disinfect, and restore reservoirs or reticulation mains.

**Performance criteria**

- 1.1 The purpose and timing of the procedure are followed in accordance with organisational procedures.
- 1.2 Safety plan is followed in accordance with organisational procedures.
- 1.3 The reservoir or reticulation main is drawn down, taken out of service, and drained down in accordance with organisational procedures.
- 1.4 The process is completed in accordance with organisational procedures.  
  
Range one of – water reservoir cleaning, reticulation main repair, reticulation main cleaning.
- 1.5 The chlorine application method and dose levels and times are selected in accordance with organisational procedures.
- 1.6 The chlorine is applied for the set time, and test measurements are made, in accordance with organisational procedures.
- 1.7 The chlorinated water is disposed of in an environmentally acceptable manner in accordance with organisational procedures.
- 1.8 The reservoir or reticulation main is refilled, the water quality checked, and the reservoir or reticulation main put back into service in accordance with organisational procedures.

<b>Replacement information</b>	This unit standard was replaced by unit standard 31522.
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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	27 May 2002	31 December 2018
Review	2	26 April 2005	31 December 2018
Review	3	19 September 2008	31 December 2018
Review	4	16 March 2017	31 December 2021
Review	5	29 November 2018	31 December 2021

<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>.