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| Title | Select, use, and maintain tools and equipment in water reticulation | | |
| Level | 2 | Credits | 7 |

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| Purpose | People credited with this unit standard are able to select, use, and maintain hand tools and equipment used in water reticulation. |
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| Classification | Water Industry > Water Reticulation |
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| Available grade | Achieved |
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Explanatory notes

- 1 Legislation relevant to this unit standard includes but is not limited to the Health and Safety at Work Act 2015, and subsequent amendments.
- 2 Definition
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.

Outcomes and evidence requirements

Outcome 1

Select, use, and maintain hand tools used in water reticulation.

Range five of – callipers, chain pipe cutters, clamps, cold chisel, dies, drill and drill bits, files, grinder, hacksaws, hammers, crow bar, spirit level, tape measure, stilson, live tapping tool.

Evidence requirements

- 1.1 The tool which is selected and used matches the work operation to be performed.
- 1.2 The importance of avoiding cross contamination when working with both wastewater and potable water is explained, and tools are cleaned, disinfected and maintained in accordance with manufacturers' specifications and organisational procedures.
- 1.3 Tools are used without personal injury, and damage to buildings, other services, tools, and equipment.

Outcome 2

Select, use, and maintain equipment used in water reticulation.

Range five different equipment items from – compressors, lifting gear, pipe cleaning equipment, portable power generators, power tools, laser beams, level detectors, air blowers, shoring, atmosphere monitors, safety harness, pumps, pipe freezers.

Evidence requirements

- 2.1 Equipment which is selected and used matches the work operation to be performed.
- 2.2 The importance of avoiding cross contamination when working with both wastewater and potable water is explained, and equipment is cleaned, disinfected and maintained in accordance with manufacturers' specifications and organisational procedures.
- 2.3 Equipment is used without personal injury, and without damage to buildings, other services, tools, and equipment.

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| Replacement information | This unit standard replaced unit standard 19206. |
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| Planned review date | 31 December 2021 |
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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 | 12 February 2010 | 31 December 2018 |
| Review | 3 | 16 March 2017 | N/A |

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

Please note

Providers must be granted consent to assess against standards (accredited) by NZQA, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Requirements for consent to assess and an outline of the moderation system that applies to this standard are outlined in the Consent and Moderation Requirements (CMR). The CMR also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact the Infrastructure Industry Training Organisation qualifications@connexis.org.nz if you wish to suggest changes to the content of this unit standard.