

Title	Carry out a site and soil evaluation for an on-site wastewater management system		
Level	4	Credits	15

Purpose	People credited with this unit standard are able to carry out a site and soil evaluation for an on-site wastewater management system.
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Classification	Water Industry > Wastewater Treatment
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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 applicable legislative and industry requirements.
- 2 Legislation, regulations and standards relevant to this unit standard include but are not limited to the:
 - Resource Management Act 1991;
 - Building Act 2004;
 - Health Act 1956, and subsequent amendments;
 - Local Government Act 2002;
 - Historic Places Act 1993, and subsequent amendments;
 - regional and district plans;
 - regulatory authority requirements;
 - AS/NZS 1547:2012 *On-site domestic wastewater management*, available from <http://www.standards.govt.nz>.
- 3 **Definition**
Industry requirements include manufacturers' specifications; and enterprise requirements which cover the documented workplace policies, procedures, specifications, business, and quality management requirements relevant to the workplace in which assessment is carried out.
- 4 It is recommended that the assessor uses design guidelines issued by the regional or local authorities in the candidate's locality.
- 5 Credit for this unit standard does not qualify the candidate to work in a drainlaying situation that comes under the drainlayer's licence requirements issued under the Plumbers, Gasfitters, and Drainlayers Act 2006 and any subsequent amendments.

Outcomes and performance criteria

Outcome 1

Carry out a site and soil evaluation for an on-site wastewater management system.

Performance criteria

- 1.1 Information from reference material and client consultation is evaluated and the client brief is confirmed.
- Range information must include but is not limited to – regional or unitary plan, district planning regulations, technical and engineering information, site compliance requirements, environmental information.
- 1.2 The surface of the site is evaluated to determine characteristics influencing the on-site wastewater land application.
- Range vegetation cover, slope, surface water, clearances, utility services.
- 1.3 Potential constraints and separation distances on the site are identified to determine exclusion areas and expected available area for a land application system.
- Range includes but is not limited to – property boundary, surrounding environment, surface water, groundwater wells or bores, dwellings, access ways, impervious areas, soak holes, stormwater disposal systems, recreational facilities.
- 1.4 Effluent discharge within the property is described in terms of the potential effects.
- Range includes but is not limited to effects on – public health, surface water, biochemical oxygen demand, downstream hydrologic catchment through run-off, neighbouring properties, groundwater.
- 1.5 The subsurface of the site is evaluated to determine characteristics influencing the on-site wastewater land application.
- Range includes but is not limited to – soil categories, limitations, influencing factors for example earthworks, suitability of fill, risks associated with groundwater.
- 1.6 Site and soil evaluation report and site assessment plans are completed in accordance with AS/NZS 1547:2012.

Replacement information	This unit standard replaced unit standard 25127.
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Planned review date	31 December 2025
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	23 July 2020	N/A

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>.

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.