

Field Engineering and Technology

Review of *Wastewater Treatment* unit standards

Subfield	Domain	ID
Water Industry	Wastewater Treatment	25124-25129

Connexis has completed the review of the unit standards listed above.

Date new versions published

July 2020

Planned review date

December 2025

Summary

These unit standards were reviewed as part of the development of the New Zealand Certificate in On-site Wastewater Management System Design (Level 4) [Ref: 4126], which occurred from August 2019 to March 2020. Consultation occurred in January and March 2020 with stakeholders holding consent to assess against these unit standards.

Main changes

- Guidance information was updated in all standards to ensure currency with industry knowledge and practice.
- Titles for some unit standards were altered, as identified in the table below, to reflect changes in practice in the wastewater treatment industry.
- Levels for some unit standards were lowered, as identified in the table below, to better align with the job role.
- Credit values for some unit standards were changed, as identified in the table below, to more accurately reflect the learning hours required for these tasks.
- Unit standard 25126 was designated expiring without replacement as it is no longer required.
- Unit standard 25127 and 25128 had major changes that necessitated the registration of replacement standards.
- Two new unit standards were developed to meet the requirements for risk management and quality assurance.

Category C and D unit standards will expire at the end of December 2022

The last date for assessment of superseded versions of Category B unit standards is December 2022

Detailed list of unit standards – classification, title, level, and credits

All changes are in **bold**.

Key to review category	
A	Dates changed, but no other changes are made - the new version of the standard carries the same ID and a new version number
B	Changes made, but the overall outcome remains the same - the new version of the standard carries the same ID and a new version number
C	Major changes that necessitate the registration of a replacement standard with a new ID
D	Standard will expire and not be replaced

Engineering and Technology > Water Industry > Wastewater Treatment

ID	Title	Level	Credit	Review Category
25124	Demonstrate knowledge of domestic wastewater treatment processes Describe domestic wastewater treatment processes	4	15 8	B
25125	Describe domestic wastewater land application systems, and their selection, for site and soil characteristics Describe domestic wastewater land application systems and the factors affecting their selection	5 4	8	B
25126	Demonstrate knowledge of hydraulics and pump types and fittings for on-site domestic wastewater treatment systems	4	6	D
25127	Carry out a site and soil evaluation for an on-site domestic wastewater system 32186 Carry out a site and soil evaluation for an on-site wastewater management system	6 4	12 15	C
25128	Design an on-site domestic wastewater system, and describe regulatory requirements 32167 Design an on-site wastewater management system	6 4	16 20	C
25129	Describe package treatment, and wastewater land application systems Describe requirements for operation, monitoring, and maintenance of an on-site wastewater management system	4 4	4 5	B
32169	Prepare a risk management plan for an on-site wastewater management system	4	10	New
32170	Review a design for, and inspect, an on-site wastewater management system	4	5	New