

## Field      Engineering and Technology

### Rollover and Revision of *Water Industry* unit standards

Subfield	Domain	ID
Water Industry	Wastewater Treatment	31926, 31933, 31973
	Water Reticulation	22104, 31521, 31522, 31524-31526, 31528-31530

Waihanga Ara Rau Construction and Infrastructure Workforce Development Council has completed the rollover and revision of 12 unit standards listed above.

**Date new versions published**

**August 2025**

**Planned review date**

**December 2026**

#### Summary

Waihanga Ara Rau Construction and Infrastructure Workforce Development Council has extended the review date to 31 December 2026 to align with the review of the New Zealand Certificate in Infrastructure Works (Pipeline Construction and Maintenance) (Level 4) [Ref: 3858] with strands in Drinking-Water, Stormwater and Wastewater, and Trenchless Technologies, and the New Zealand Certificate in Infrastructure Works Pipe Installation (Level 4) [Ref: 4441]. Industry has confirmed that the unit standards are in line with current industry practice and are fit for purpose. There were no changes to classification, outcomes, performance criteria, level or credits. The rollover was circulated to key stakeholders in March 2025 who have confirmed their support for the proposed rollover.

#### Main changes

- The planned review date was extended from 31 December 2023 to 31 December 2026.
- Guidance information was updated to reflect current legislation.
- The titles of unit standards 31524 and 31524 were updated for consistency with the outcomes.
- The purpose statement of unit standard 31521 was updated for consistency with the outcomes.
- SSB details were updated from Infrastructure ITO to Waihanga Ara Rau Construction and Infrastructure Workforce Development Council.

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

All changes are in **bold**.

Engineering and Technology > Water Industry > Wastewater Treatment

ID	Title	Level	Credit
31926	Describe wastewater treatment processes, hazards, and the management of critical control points	4	20
31933	Demonstrate knowledge of risks and risk management in wastewater treatment plants	4	10
31973	Describe sludge and biosolids management processes in wastewater treatment	4	6

Engineering and Technology > Water Industry > Water Reticulation

ID	Title	Level	Credit
22104	Demonstrate knowledge of pipe jointing systems for water reticulation	4	6

ID	Title	Level	Credit
31521	Demonstrate knowledge of and maintain water quality in drinking-water supply networks	4	6
31522	Service or commission, and disinfect, reticulation mains for drinking-water supply networks	4	6
31524	Carry out butt fusion jointing on polyethylene pipes for water networks <b>Carry out butt fusion jointing for water networks</b>	4	10
31525	Carry out electrofusion jointing on polyethylene pipes for water networks <b>Carry out electrofusion jointing for water networks</b>	4	10
31526	Analyse water loss for a drinking-water reticulation network	4	4
31528	Perform work on live wastewater and stormwater networks	4	10
31529	Construct a pressure rising main	4	5
31530	Operate a vacuum loading vehicle for wastewater or stormwater maintenance	3	5