

## Field      Service Sector

### Review of *Solid Waste* and *Zero Waste* unit standards

Subfield	Domain	ID
Solid Waste	Hazardous and Special Waste Management	23335
	Solid Waste Disposal	23568, 23578, 23581
Zero Waste	Zero Waste Theory and Practice	22676, 22677, 22678, 22680 - 22697

Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council has completed the review of the 25 unit standards listed above.

### Date new versions published

**February 2025**

### Summary

Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council undertook a combined review of the Resource Recovery qualifications below and associated unit standards in consultation with industry stakeholders.

- New Zealand Certificate in Resource Recovery (Level 2) [Ref: 2743]
- New Zealand Certificate in Resource Recovery (Level 3) with strands in Composting, Recovery and Recycling, Scrap Metal Recycling, and Solid Waste (with optional strand in Hazardous Waste) [Ref: 2744]
- New Zealand Certificate in Resource Recovery (Level 4) with strands in Composting, Recovery and Recycling, Scrap Metal Recycling, and Solid Waste [Ref: 2745]

Online meetings were held throughout October 2023 – December 2024 with a wide range of stakeholders, including representatives from industry associations WasteMINZ, New Zealand Trade and Industrial Waters Forum, district councils, Ministry for Environment, employers, training providers and subject matter experts.

Since unit standards in Zero Waste Theory and Practice have not been used for over five years and new skill standards were developed under the Resource Recovery subfield, a decision was made to expire zero waste unit standards without replacement since industry stakeholders identified they would not be used in the future.

Stakeholders were also consulted to determine the need for solid waste training. Feedback was received that the solid waste unit standards can be expired without replacement since they haven't been used for over 5 years and will not be used in the future due to low demand for formal training in solid waste operations.

### Main changes

- 21 zero waste unit standards were expired without replacement.
- 4 solid waste unit standards were expired without replacement.

### Category D unit standards will expire at the end of December 2025

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

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

### Service Sector > Solid Waste > Hazardous and Special Waste Management

ID	Title	Level	Credit	Review Category
23335	Receive and contain hazardous waste at a specified site	3	2	D

### Service Sector > Solid Waste > Solid Waste Disposal

ID	Title	Level	Credit	Review Category
23568	Demonstrate basic knowledge of landfill operations	2	2	D
23578	Demonstrate and apply knowledge to controlled waste in loads entering a solid waste facility	3	6	D
23581	Identify and process controlled waste at a solid waste facility	4	15	D

### Service Sector > Zero Waste > Zero Waste Theory and Practice

ID	Title	Level	Credit	Review Category
22676	Apply zero waste principles in a workplace	2	4	D
22677	Discuss key concepts of zero waste theory and practice	3	10	D
22678	Plan and facilitate an event recycling programme based on zero waste principles	5	15	D
22680	Demonstrate knowledge of strategies for achieving zero waste	5	20	D
22681	Demonstrate knowledge of Māori and another culture's perspectives of waste	3	5	D
22682	Explain sustainability, resource efficiency, and cleaner production in relation to zero waste	5	15	D
22683	Demonstrate knowledge of resource efficiency and cleaner production initiatives	5	20	D
22684	Develop a programme for measuring and monitoring resource efficiency and cleaner production	5	30	D
22685	Analyse an industry process for the implementation of zero waste principles	5	35	D
22686	Analyse a community or institution for the implementation of zero waste principles	5	25	D
22687	Facilitate the zero waste component of a community project	5	25	D
22688	Research and advise on options for zero waste in households	4	30	D
22689	Apply knowledge of demographics and geography to the design of a zero waste service	5	12	D
22690	Plan, prepare, and implement a zero waste product development project	6	60	D
22691	Plan and implement a programme to support zero waste within a community	5	25	D

ID	Title	Level	Credit	Review Category
22692	Explain zero waste options and priorities in a specified industry	4	12	D
22693	Explain strategies for engaging industry partners in zero waste programmes	5	15	D
22694	Plan, organise, and lead a site visit for developing a zero waste partnering programme	5	6	D
22695	Explain the tailoring of zero waste programmes to meet the needs of an industry	5	4	D
22696	Advise on zero waste options for a commercial enterprise	5	25	D
22697	Advise on zero waste options for an industry	6	40	D