

**Registration of skill standards and review of unit standards for *Resource Recovery***

<b>Subfield</b>	<b>Domain</b>	<b>ID</b>
Resource Recovery	Resource Recovery – Construction and Demolition	23324 - 23333
	Resource Recovery Theory	22633, 22636, 22638 - 22642, 22644 - 22647
	Reusable Goods	24256 - 24259

Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council has completed the review of 25 unit standards listed above and the registration of the 7 skill standards listed below.

**Date new versions published**

**April 2025**

**Planned review date**

**December 2029**

**Summary**

Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council undertook a scheduled combined review of the following Resource Recovery qualifications and associated unit standards:

- 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].

Regular online meetings were held from October 2023 – December 2024 with a wide range of stakeholders, including representatives from industry associations WasteMINZ, New Zealand Trade and Industrial Waters Forum, Building Research Association of New Zealand (BRANZ), Composite Association of New Zealand, district councils, Ministry for Environment, employers, training providers and subject matter experts.

With the exception of unit standard 23328, all unit standards were expired without replacement due to no usage over the past five years. Unit standard 23328 was reviewed and retained at the request of demolition stakeholders. They identified handling of demolition waste materials as a significant requirement for their industry during the development of new demolition qualifications undertaken by Waihanga Ara Rau Workforce Development Council in 2023. Unit standard 23328 will be used in a new programme (currently in development) leading to the New Zealand Certificate in Demolition (Level 3) [Ref: 5058].

Seven new skill standards were developed to align with the reviewed resource recovery qualifications. In response to feedback from industry stakeholders, skill standards were designed to be open and flexible so they can be used across a wide range of resource recovery contexts.

**Main changes**

- 22 unit standards were expired without replacement.
- 2 unit standards were replaced by 2 skill standards.

- Unit standard 23328 guidance information, standard setting information and performance criteria were updated as required. Performance criterion 1.1 was removed in response to industry stakeholder feedback. Unit standards 23324 and 23327 were removed from the pre-requisite section since these unit standards are set to expire.
- 5 new skill standards were developed to meet current industry training requirements and resource recovery industry practices.

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

The last date for assessment of superseded version of Category B unit standard is December 2025

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

All changes are in **bold**.

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 > Resource Recovery > Resource Recovery - Construction and Demolition

ID	Title	Level	Credit	Review Category
23324	Identify construction and demolition waste materials and sort them for reuse, recycling, and disposal	2	4	D
23325	Demonstrate introductory knowledge of constraints on construction and demolition waste	2	5	D
23326	Demonstrate knowledge of the recovery of resources from construction and demolition waste	3	6	D
23327	Demonstrate knowledge of health, safety, and environmental requirements relating to construction and demolition waste	3	6	D
23328	Dismantle recoverable construction and demolition materials and prepare for storage and transport	3	12	B
23329	Select and manage equipment for recovering resources from construction and demolition waste	5	30	D
23330	Recommend minimisation and resource recovery strategies for construction and demolition waste	4	10	D
23331	Plan, manage, and monitor the minimisation and recovery of construction or demolition waste	5	30	D
23332	Prepare tenders for contracts relating to construction and demolition waste	5	10	D
23333	Develop contracts for construction and demolition waste	5	15	D

Service Sector > Resource Recovery > Resource Recovery Theory

ID	Title	Level	Credit	Review Category
22633	Explain responsibilities for resource recovery	3	2	D
22636	Explain concepts relating to sustainability, resource use, recycling, and the environment	3	8	C
<b>40600</b>	<b>Research resource recovery practices to enhance environmental sustainability in a resource recovery environment</b>	<b>3</b>	<b>8</b>	
22638	Demonstrate knowledge of the New Zealand resource recovery industry	3	6	C
<b>40602</b>	<b>Map organisations and their activities and impacts in the resource recovery industry</b>	<b>3</b>	<b>5</b>	
22639	Evaluate options and issues for managing recoverable resources	5	25	D
22640	Demonstrate knowledge of legislation, policies, and programmes relating to resource recovery	5	25	D
22641	Demonstrate knowledge of the recycling of inorganic resources	3	9	D
22642	Demonstrate knowledge of preparing non-hazardous recyclables for transport	3	5	D
22644	Demonstrate knowledge of, and apply, the Solid Waste Analysis Protocol	5	15	D
22645	Research and discuss best practice for resource recovery and recycling	5	35	D
22646	Demonstrate knowledge of responsibilities, strategic drivers, and opportunities for resource recovery	5	25	D
22647	Research overseas resource recovery legislation, policy, and agreements and evaluate relevance to NZ	5	20	D
<b>40598</b>	<b>Identify environmental responsibilities relevant to the resource recovery industry</b>	<b>2</b>	<b>2</b>	<b>NEW</b>
<b>40599</b>	<b>Identify principles of kaitiakitanga and circular economy in a resource recovery environment</b>	<b>2</b>	<b>5</b>	<b>NEW</b>
<b>40601</b>	<b>Apply principles of kaitiakitanga and circular economy in a personal, community, or workplace environment</b>	<b>3</b>	<b>10</b>	<b>NEW</b>
<b>40603</b>	<b>Research and report on technologies and best practice in the resource recovery industry</b>	<b>4</b>	<b>10</b>	<b>NEW</b>

Service Sector > Resource Recovery > Reusable Goods

ID	Title	Level	Credit	Review Category
24256	Demonstrate knowledge of the value of, and negotiate prices for, reusable goods	3	5	D
24257	Demonstrate knowledge of legislation relating to the trade of reusable goods	3	10	D
24258	Demonstrate basic knowledge of, and source reusable goods at, waste exchanges	3	4	D
24259	Describe, assess, accept, and sort reusable goods for resource recovery	3	3	D
<b>40604</b>	<b>Assess, value and present reusable goods in a resource recovery environment</b>	<b>3</b>	<b>15</b>	<b>NEW</b>