

## National Certificate in Zero Waste and Resource Recovery (Principles for Implementation) (Level 3)

<b>Level</b>	<b>3</b>
<b>Credits</b>	<b>61</b>

### Purpose

This qualification recognises the skills of a cross-section of industry personnel who implement the principles of zero waste in the workplace. The holder of the qualification is able to demonstrate general understanding of zero waste and resource recovery principles and practices that may be implemented in a workplace.

The qualification structure recognises the complementary knowledge of resource recovery theory and zero waste principles.

The compulsory section comprises standards that cover understanding of zero waste principles and practices.

The elective section comprises two parts. Set A comprises standards that assess understanding of resource recovery theory. Set B provides a choice from the full range of registered standards. This is included to meet individual needs in achieving useful workplace skills.

This qualification may complement the National Certificate in Resource Recovery Operations (Level 3) [Ref: 1347] and may lead to the National Diploma in Resource Recovery (Level 5) with an optional strand in Cleaner Production [Ref: 1349], or the National Diploma in Zero Waste and Resource Recovery (Level 5) [Ref: 1346], or complement qualifications in other industries such as agriculture, forestry, fisheries, computing, commerce, construction, demolition, engineering, health, manufacturing, and retail.

### Credit Range

	Compulsory	Elective	
		Set A	Set B
Level 2 credits	6	0-12	0-13
Level 3 credits	15	0-12	0-16
Level 4 or above credits	12	0-6	0-16
Minimum totals for elective sets	-	12-28	0-16
Minimum totals	33	28	

### Requirements for Award of Qualification

- Compulsory standards
- Elective – A minimum of 28 credits as specified

**Award of NQF Qualifications**

Credit gained for a standard may be used only once to meet the requirements of this qualification.

Unit standards and achievement standards that are equivalent in outcome are mutually exclusive for the purpose of award. The table of mutually exclusive standards is provided in section 7 of the New Zealand Qualifications Authority (NZQA) *Rules and Procedures* publications available at <http://www.nzqa.govt.nz/ncea/acrp/index.html>.

Reviewed standards that continue to recognise the same overall outcome are registered as new versions and retain their identification number (ID). Any version of a standard with the same ID may be used to meet qualification requirements that list the ID and/or that specify the past or current classification of the standard.

**Detailed Requirements**

**Compulsory**

The following standards are required

Service Sector > Resource Recovery > Zero Waste

ID	Title	Level	Credit
22675	Describe zero waste	2	2
22676	Apply zero waste principles in a workplace	2	4
22677	Discuss key concepts of zero waste theory and practice	3	10
22681	Demonstrate knowledge of Māori and another culture's perspectives of waste	3	5
22692	Explain zero waste options and priorities in a specified industry	4	12

**Elective**

A minimum of 28 credits, of which a minimum of 15 credits is at Level 3 or above, from Set A, or Sets A and B

**Set A**

A minimum of 12 credits

Service Sector > Resource Recovery > Resource Recovery Theory

ID	Title	Level	Credit
22631	Demonstrate basic knowledge of classifications for recoverable resources and residual waste	2	5
22632	Outline recovery options for recoverable resources	2	9
22633	Explain responsibilities for resource recovery	3	2
22634	Explain principles of organic resource recovery and recycling	3	5
22636	Relate the principles of environmental sustainability to resource recovery	3	6
22638	Demonstrate knowledge of the New Zealand resource recovery industry	3	6

ID	Title	Level	Credit
22641	Demonstrate knowledge of the recycling of inorganic resources	3	9
22643	Explain market requirements for a recoverable resource	4	6

### Set B

The balance of credits, if required, to achieve a minimum of 28 credits, of which a minimum of 15 credits is at Level 3 or above, may come from anywhere on the NQF

### NQF Registration Information

Process	Version	Date	Last Date for Assessment
Registration	1	December 2007	N/A

### Standard Setting Body

NZ Extractive Industries Training Organisation  
PO Box 2623  
CHRISTCHURCH

Telephone 03 964 4710  
Email [info@exito.org.nz](mailto:info@exito.org.nz)

### Planned Review

Any person or organisation may contribute to the review of this qualification by sending feedback to the standard setting body at the above address.

Next Review	2012
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### Certification

The certificate will display the logos of NZQA and the NZ Extractive Industries Training Organisation.

## Classification

This qualification is classified according to the NQF classification system and the New Zealand Standard Classification of Education (NZSCED) system as specified below

NQF Classification		NZSCED	
Code	Description	Code	Description
424	Service Sector > Resource Recovery	039901	Engineering and Related Technologies > Other Engineering and Related Technologies > Environmental Engineering

### Quality Management Systems

Providers and Industry Training Organisations must be accredited by a recognised Quality Assurance Body before they can register credits from assessment against standards. Accredited providers and Industry Training Organisations assessing against standards must engage with the moderation system that applies to those standards. Accreditation requirements and the moderation system are outlined in the associated Accreditation and Moderation Action Plan (AMAP) for each standard.