

National Certificate in Resource Recovery Operations (Level 4)

Level 4

Credits 102

Purpose

This qualification recognises the skills and knowledge of people working at supervisory level in the resource recovery industry in commercial or community-based resource recovery facilities.

The compulsory section recognises the skills and knowledge required to work safely in the resource recovery industry, understand the New Zealand resource recovery and recycling industry and its market requirements, and supervise operations at a resource recovery facility.

The qualification structure acknowledges the diversity of resource recovery facilities and the nature of work they undertake. To reflect this, the qualification includes elective sections from which people can select skills and knowledge relevant to a specific workplace. Because people working in this industry come from a wide range of backgrounds the elective section enables them to select knowledge and skills that underpin other standards in the qualification.

This qualification builds on 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].

Special Notes

It is recommended that people entering programmes leading to the award of this qualification possess the skills and knowledge of workers in the resource recovery industry. This might be evidenced by achievement of the National Certificate in Resource Recovery Operations (Level 3) [Ref: 1347].

Credit Range

	Compulsory	Elective A	Elective B	Elective C
Level 2 credits	-	0-4	-	0-5
Level 3 credits	27	0-15	0-15	0-5
Level 4 credits	40	0-15	0-15	0-5
Level 5 or above credits	-	0-15	0-15	0-5
Minimum totals	67	15	15	5

Requirements for Award of Qualification

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.

Summary of Requirements

- Compulsory standards
- Elective A – A minimum of 15 credits as specified
- Elective B – A minimum of 15 credits as specified
- Elective C – A minimum of 5 credits as specified

Detailed Requirements

Compulsory

The following standards are required

Health > Occupational Health and Safety > Occupational Health and Safety Practice

ID	Title	Level	Credit
5616	Manage hazard identification and control for occupational health and safety practice	4	10
17601	Produce an occupational health and safety incident investigation	4	6

Service Sector > Resource Recovery > Resource Recovery Operations

ID	Title	Level	Credit
22614	Demonstrate knowledge of storage requirements for a non-hazardous recoverable resource	3	4
22617	Supervise customer service and operations in a drop-off area at a resource recovery facility	4	10
22622	Demonstrate knowledge of, and supervise, a resource recovery sorting process	4	8

Service Sector > Resource Recovery > Resource Recovery Theory

ID	Title	Level	Credit
22636	Relate the principles of environmental sustainability to resource recovery	3	6
22637	Demonstrate knowledge of hygiene and health for working in a resource recovery or solid waste context	3	8

ID	Title	Level	Credit
22638	Demonstrate knowledge of the New Zealand resource recovery industry	3	6
22643	Explain market requirements for a recoverable resource	4	6

Service Sector > Solid Waste > Hazardous and Special Waste Management

ID	Title	Level	Credit
23334	Define and identify hazardous and special wastes and explain safe handling procedures	3	3

Elective A

A minimum of 15 credits

Health > Occupational Health and Safety > Occupational Health and Safety Practice

ID	Title	Level	Credit
17593	Apply safe work practices in the workplace	2	4

Health > Occupational Health and Safety > Workplace Health and Safety Management

ID	Title	Level	Credit
5607	Implement workplace health and safety management requirements	4	25

Service Sector > Resource Recovery > Resource Recovery - Construction and Demolition

ID	Title	Level	Credit
23326	Demonstrate knowledge of the recovery of resources from construction and demolition waste	3	6
23327	Describe health, safety, and environmental requirements relating to construction and demolition waste	3	6

Service Sector > Resource Recovery > Resource Recovery Operations

ID	Title	Level	Credit
22618	Produce information on separation at source for a resource recovery facility	3	3
22679	Explain pre design issues and discuss the design of a resource recovery facility and its components	5	15
22966	Communicate information on separation at source for a resource recovery facility	3	2

Service Sector > Resource Recovery > Resource Recovery Theory

ID	Title	Level	Credit
22633	Explain responsibilities for resource recovery	3	2

ID	Title	Level	Credit
22641	Demonstrate knowledge of the recycling of inorganic resources	3	9

Service Sector > Resource Recovery > Zero Waste

ID	Title	Level	Credit
22692	Explain zero waste options and priorities in a specified industry	4	12

Service Sector > Solid Waste > Solid Waste Handling

ID	Title	Level	Credit
22630	Organise and supervise the routine removal of waste and/or recyclables from the kerbside	4	15

Elective B

A minimum of 15 credits at Level 3 or above

Field	Subfield	Domain
Education	Generic Education and Training	Assessment of Learning
Health	Occupational Health and Safety	Occupational Health and Safety Practice
Humanities	Communication Skills	Interpersonal Communications
Service Sector	Service Sector Skills	Service Sector - Core Skills

Elective C

A minimum of 5 credits at Level 2 or above

From anywhere on the NQF

Transition Arrangements**Version 2**

Version 2 was issued in order to make changes to content.

Changes to structure and content

- standards 23326 and 23327 added to Elective A.

For detailed information see [Review Summaries](#) on the NZQA website.

People currently working towards version 1 of this qualification may either complete the requirements for that version or transfer existing credits to version 2.

New trainees will be enrolled in programmes leading to the new version of the qualification.

It is not intended that anyone is disadvantaged by this review, and the above arrangements have been designed for a smooth transition. However, anyone who feels they have been disadvantaged may appeal to the NZ Extractive Industries Training Organisation.

NQF Registration Information

Process	Version	Date	Last Date for Award
Registration	1	December 2007	N/A
Revision	2	August 2008	N/A

Standard Setting Body

NZ Extractive Industries Training Organisation
PO Box 2623
CHRISTCHURCH

Telephone 03 964 4710
Email 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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Other standard setting bodies whose standards are included in the qualification

New Zealand Industry Training Organisation

Certification

The certificate will display the logos of NZQA, the NZ Extractive Industries Training Organisation and the accredited 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
1981	Service Sector > Resource Recovery > Resource Recovery Operations	030399	Engineering and Related Technologies > Process and Resources Engineering > Process and Resources Engineering not elsewhere classified

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.