

National Diploma in Zero Waste and Resource Recovery (Level 5)

Level 5

Credits 220

Purpose

This qualification recognises the knowledge and skills of people who promote the principles of zero waste and resource recovery. Holders of this qualification are able to demonstrate specialised knowledge of zero waste principles and resource recovery practices.

The compulsory section comprises standards that cover underpinning knowledge of local and overseas legislation and policies relating to resource recovery and waste disposal, factors that drive resource recovery, and strategies for achieving zero waste.

The qualification structure recognises the diversity of applications for zero waste theory. To reflect this the elective sections cover the analysis, research, planning, and advising on the implementation of zero waste principles, and a choice from the full range of registered standards. This is included to help achieve a broad learning base in the development of useful workplace skills.

This qualification may lead on from the National Certificate in Zero Waste and Resource Recovery (Principles for Implementation) (Level 3) [Ref: 1345], or complement qualifications gained in other industries such as agriculture, forestry, fisheries, computing, commerce, construction, demolition, engineering, health, manufacturing, and retail.

Special Notes

It is recommended that people entering programmes leading to the award of this qualification possess group and written communication skills. Evidence of that ability might be demonstrated by achievement of standards at Level 4 or above in Interpersonal Communications and Writing.

Credit Range

	Compulsory	Elective A	Elective B
Level 4 credits	-	0-40	0-10
Level 5 credits	90	0-120	0-10
Level 6 or above credits	-	0-100	0-10
Minimum totals	90	120	10

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 120 credits as specified
- Elective B – A minimum of 10 credits as specified

Detailed Requirements

Compulsory

The following standards are required

Service Sector > Resource Recovery > Resource Recovery Theory

ID	Title	Level	Credit
22640	Demonstrate knowledge of legislation, policies, and programmes relating to resource recovery	5	25
22646	Demonstrate knowledge of responsibilities, strategic drivers, and opportunities for resource recovery	5	25
22647	Research overseas resource recovery legislation, policy, and agreements and evaluate relevance to NZ	5	20

Service Sector > Resource Recovery > Zero Waste

ID	Title	Level	Credit
22680	Demonstrate knowledge of strategies for achieving zero waste	5	20

Elective A

A minimum of 120 credits

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

ID	Title	Level	Credit
23330	Recommend minimisation and resource recovery strategies for construction and demolition waste	4	10

Service Sector > Resource Recovery > Resource Recovery Operations

ID	Title	Level	Credit
22679	Explain pre design issues and discuss the design of a resource recovery facility and its components	5	15

Service Sector > Resource Recovery > Resource Recovery Theory

ID	Title	Level	Credit
22639	Evaluate options and issues for managing recoverable resources	5	25
22645	Research and discuss best practice for resource recovery and recycling	5	35

Service Sector > Resource Recovery > Zero Waste

ID	Title	Level	Credit
22678	Plan and facilitate an event recycling programme based on zero waste principles	5	15
22682	Explain sustainability, resource efficiency, and cleaner production in relation to zero waste	5	15
22683	Demonstrate knowledge of resource efficiency and cleaner production initiatives	5	20
22684	Develop a programme for measuring and monitoring resource efficiency and cleaner production	5	30
22685	Analyse an industry process for the implementation of zero waste principles	5	35
22686	Analyse a community or institution for the implementation of zero waste principles	5	25
22687	Facilitate the zero waste component of a community project	5	25
22688	Research and advise on options for zero waste in households	4	30
22689	Apply knowledge of demographics and geography to the design of a zero waste service	5	12
22690	Plan, prepare, and implement a zero waste product development project	6	60
22691	Plan and implement a programme to support zero waste within a community	5	25
22693	Explain strategies for engaging industry partners in zero waste programmes	5	15
22694	Plan, organise, and lead a site visit for developing a zero waste partnering programme	5	6
22696	Advise on zero waste options for a commercial enterprise	5	25
22697	Advise on zero waste options for an industry	6	40

Elective B

A minimum of 10 credits at Level 4 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

- standard 23330 added to Elective A
- credit range updated.

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 Assessment
Registration	1	December 2007	December 2012
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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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
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.