

National Diploma in Resource Recovery (Level 5) with an optional strand in Cleaner Production

Level 5

Credits 141

This qualification has been **reviewed**. The last date to meet the requirements is 31 December 2020.

Transition Arrangements

The last date for entry into programmes leading to this qualification is 31 December 2016.

People currently working towards this qualification must complete the requirements by 31 December 2020.

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

It is anticipated that no existing candidates will be disadvantaged by these transition arrangements. However, anyone who feels that they have been disadvantaged may appeal to MITO at the address below. Appeals will be considered on a case-by-case basis.

NZQF Registration Information

| Process | Version | Date | Last Date for Award |
|--------------|---------|---------------|---------------------|
| Registration | 1 | December 2007 | December 2020 |
| Revision | 2 | August 2008 | December 2020 |
| Review | 3 | May 2015 | December 2020 |

Standard Setting Body

NZ Motor Industry Training Organisation (Incorporated) (MITO)

PO Box 10803

Wellington 6143

Telephone 0800 88 2121

Fax 04 494 0006

Email info@mito.org.nz

Website www.mito.org.nz

National Diploma in Resource Recovery (Level 5) with an optional strand in Cleaner Production

| | |
|----------------|------------|
| Level | 5 |
| Credits | 141 |

Purpose

This qualification recognises the skills and knowledge of people working at management level in the resource recovery industry. It is aimed primarily at people employed to manage commercial or community-based resource recovery facilities such as resource recovery parks, transfer stations, and drop-off centres, but may also be useful on other sectors of the industry.

The compulsory section recognises the skills and knowledge required to understand policies and legislation affecting the industry, resource recovery programmes, factors that drive resource recovery, market requirements, and research into best practice for the industry.

The qualification structure recognises 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 complement other standards in the qualification.

The optional strand recognises specialist skills in the principles of cleaner production.

This qualification builds on the National Certificate in Resource Recovery Operations (Level 4) [Ref: 1348] and the National Certificate in Zero Waste and Resource Recovery (Principles for Implementation) (Level 3) [Ref: 1345], and may lead to 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 supervisors in the resource recovery or zero waste industries. Evidence of that ability might be demonstrated by achievement of the National Certificate in Resource Recovery Operations (Level 4) [Ref: 1348] or the National Certificate in Zero Waste and Resource Recovery (Principles for Implementation) (Level 3) [Ref: 1345].

Credit Range

| | Compulsory | Elective A | Elective B |
|--------------------------|------------|------------|------------|
| Level 3 credits | - | - | 0-10 |
| Level 4 credits | 6 | - | 0-10 |
| Level 5 or above credits | 85 | 30 | 0-10 |
| Minimum totals | 91 | 30 | 10 |

| | Elective C | Cleaner Production Optional Strand |
|--------------------------|------------|------------------------------------|
| Level 3 credits | 0-10 | - |
| Level 4 credits | 0-10 | - |
| Level 5 or above credits | 0-10 | 35 |
| Minimum totals | 10 | 35 |

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 30 credits as specified
- Elective B – A minimum of 10 credits as specified
- Elective C – A minimum of 10 credits as specified

The following strand is optional

- Cleaner Production Optional Strand

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 |

| ID | Title | Level | Credit |
|-------|---|-------|--------|
| 22643 | Explain market requirements for a recoverable resource | 4 | 6 |
| 22645 | Research and discuss best practice for resource recovery and recycling | 5 | 35 |
| 22646 | Demonstrate knowledge of responsibilities, strategic drivers, and opportunities for resource recovery | 5 | 25 |

Elective A

A minimum of 30 credits

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

| ID | Title | Level | Credit |
|-------|---|-------|--------|
| 23329 | Select and manage equipment for recovering resources from construction and demolition waste | 5 | 30 |
| 23331 | Plan, manage, and monitor the minimisation and recovery of construction or demolition waste | 5 | 30 |
| 23332 | Prepare tenders for contracts relating to construction and demolition waste | 5 | 10 |
| 23333 | Develop contracts for construction and demolition waste | 5 | 15 |

Service Sector > Resource Recovery > Resource Recovery Operations

| ID | Title | Level | Credit |
|-------|---|-------|--------|
| 22623 | Plan and manage the implementation of the promotion of a resource recovery facility | 5 | 12 |
| 22624 | Design the layout and components for a resource recovery facility | 5 | 25 |
| 22628 | Manage a drop-off area at a resource recovery facility | 5 | 20 |
| 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 |
| 22644 | Demonstrate knowledge of, and apply, the Solid Waste Analysis Protocol | 5 | 15 |
| 22647 | Research overseas resource recovery legislation, policy, and agreements and evaluate relevance to NZ | 5 | 20 |

Elective B

A minimum of 10 credits at Level 3 or above

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 |
| 22625 | Demonstrate knowledge of, and sort, construction and demolition materials for resource recovery | 3 | 4 |

| Field | Subfield | Domain |
|----------------|-------------------------------------|---|
| Business | Business Operations and Development | Any |
| 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 10 credits at Level 3 or above
From anywhere on the NQF

Cleaner Production Optional Strand

The following standards are required

Service Sector > Resource Recovery > Zero Waste

| ID | Title | Level | Credit |
|-------|---|-------|--------|
| 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 |

Previous versions of the qualification**Version 2**

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

Changes to structure and content

- standards 23329, and 23331-23333 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.

Certification

The certificate will display the logos of NZQA, the NZ Motor Industry Training Organisation (Incorporated) and the accredited organisation.

Classification

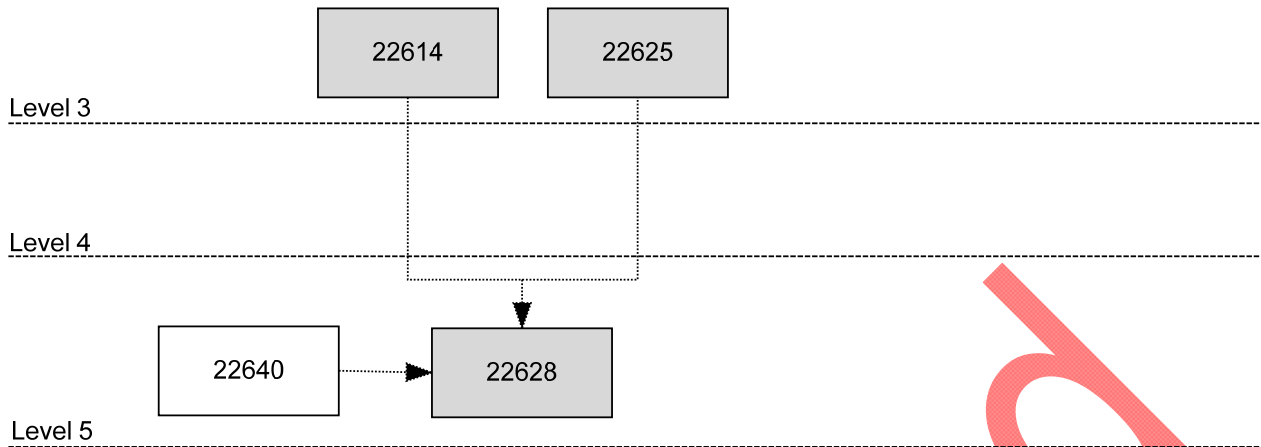
This qualification is classified according to the NQF classification system and the New Zealand Standard Classification of Education (NZSCED) system as specified below.

| DAS Classification | | NZSCED | |
|--------------------|------------------------------------|--------|---|
| Code | Description | Code | Description |
| 424 | Service Sector > Resource Recovery | 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.

Prerequisite Diagram



Key

-▶ Recommended
- █ Elective in qualification

Reviewed