

## National Certificate in Solid Waste Disposal (Landfill Management) with optional strands in Gas Extraction, Leachate Removal, and Tiphead Control

<b>Level</b>	<b>4</b>
<b>Credits</b>	<b>92</b>

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

### Transition Arrangements

This replaced qualification version 2 was republished in December 2016 to extend its last date for entry into training programmes from 31 December 2016 to 31 December 2017.

This qualification has been reviewed and replaced by New Zealand Certificate in Resource Recovery (Level 4) with strands in Composting, Recovery and Recycling, Scrap Metal Recycling, and Solid Waste [Ref: 2745]

The last date for entry into programmes leading to this qualification is 31 December 2017.

People currently working towards this qualification may either complete the requirements by 31 December 2020 or transfer to the replacement New Zealand qualification.

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 National Qualification Registration Information

Process	Version	Date	Last Date for Assessment
Registration	1	July 2008	December 2020
Review	2	May 2015	December 2020
Republished	2	December 2016	December 2020

### Standard Setting Body

NZ Motor Industry Training Organisation (Incorporated) (MITO)  
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Reviewed

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### Purpose

This National Certificate recognises the skills and knowledge of people with responsibility for managing activities at a landfill. The holder of this qualification is able to manage operations at a landfill site.

The compulsory section recognises knowledge of landfill compliance requirements and skills in protecting health, safety, and the environment at a landfill.

In acknowledgement of the diversity of activities at landfill sites, the elective section enables candidates to select standards covering: knowledge of waste treatment processes and cell filling; skills in health and safety management, waste analysis, and tip head operations; and demonstration of competencies that underpin the standards in the compulsory section or that may be required in some employment contexts.

The optional strands recognise skills in specialist operations at landfill sites.

This qualification follows on from the National Certificate in Solid Waste (Core Skills) (Level 2) with the optional strand in Hazardous Waste [Ref: 1398], the National Certificate in Solid Waste Disposal (Landfill Entry Control) (Level 3) [Ref: 1399], and the National Certificate in Solid Waste Disposal (Landfill Operations) (Level 3) [Ref: 1400].

### Special Notes

It is recommended that prior to achievement of this qualification, candidates have demonstrated competence in safe handling and disposal of solid and hazardous waste. This may be evidenced by achievement of the National Certificate in Solid Waste (Core Skills) (Level 2) with the optional strand in Hazardous Waste [Ref: 1398], or demonstration of equivalent knowledge and skills.

### Credit Range

	<b>Compulsory</b>	<b>Elective A</b>	<b>Elective B</b>
Level 3 credits	12	-	0-9
Level 4 credits	36	5-30	0-9
Level 5 or above credits	15	0-15	0-9
Minimum totals	63	20	9

	Gas Extraction Optional Strand	Leachate Removal Optional Strand	Tiphead Control Optional Strand
Level 4 credits	25	20	10
Minimum totals	25	20	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 20 credits as specified
- Elective B – A minimum of 9 credits as specified

The following strands are optional

- Gas Extraction Optional Strand
- Leachate Removal Optional Strand
- Tiphead Control Optional Strand

## 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 &gt; Solid Waste &gt; Solid Waste Disposal

ID	Title	Level	Credit
23571	Demonstrate knowledge of landfill cell filling	3	12
23579	Explain, report, and record controlled waste at a solid waste facility	4	20
23584	Demonstrate knowledge of environmental controls for landfills	5	15

**Elective A**

A minimum of 20 credits

## Health &gt; Occupational Health and Safety &gt; Workplace Health and Safety Management

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

## Service Sector &gt; Resource Recovery &gt; Resource Recovery Theory

ID	Title	Level	Credit
22644	Demonstrate knowledge of, and apply, the Solid Waste Analysis Protocol	5	15

## Service Sector &gt; Solid Waste &gt; Solid Waste Handling

ID	Title	Level	Credit
23566	Manage the clean-up of illegally dumped waste	4	5

**Elective B**

A minimum of 9 credits at Level 3 or above

From anywhere on the NQF

**Gas Extraction Optional Strand**

The following standard is required

## Service Sector &gt; Solid Waste &gt; Solid Waste Disposal

ID	Title	Level	Credit
23583	Describe landfill gas and maintain landfill gas extraction systems	4	25

**Leachate Removal Optional Strand**

The following standard is required

Service Sector > Solid Waste > Solid Waste Disposal

ID	Title	Level	Credit
23577	Describe leachate, and operate and maintain a leachate collection and removal system at a landfill	4	20

**Tiphead Control Optional Strand**

The following standard is required

Service Sector > Solid Waste > Solid Waste Disposal

ID	Title	Level	Credit
23580	Control a landfill tip head	4	10

**Other standard setting bodies whose standards are included in the qualification**

NZ Industry Training Organisation

**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
2051	Service Sector > Solid Waste > Solid Waste Disposal	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

