

Qualification details

Qualification number/Te nama o te tohu mātauranga	2745		
English title/Taitara Ingarihi	New Zealand Certificate in Resource Recovery (Level 4) with strands in Composting, Recovery and Recycling, Scrap Metal Recycling, and Solid Waste		
Māori title/Taitara Māori			
Version number/Te putanga	2	Qualification type/Te momo tohu	Certificate
Level/Te kaupae	4	Credits/Ngā whiwhinga	95
NZSCED/Whakaraupapa	039901 Engineering and Related Technologies>Other Engineering and Related Technologies>Environmental Engineering		
Qualification developer/Te kaihanganga tohu	MITO New Zealand Incorporated		
Review Date /Te rā arotake	December 2025		

Outcome statement/Te tauāki ā-hua

<p>Strategic Purpose statement/ Te rautaki o te tohu</p> <p>The purpose of this qualification is to provide the resource recovery and waste disposal industry with people who have the advanced technical skills and knowledge required to work as senior operators and first-line supervisors within their particular sector.</p> <p>Learners will benefit by having a qualification which recognises the skills and knowledge of a senior operator/first-line supervisor to enable improved job performance and a credential to enhance employment opportunities.</p> <p>This qualification is targeted at experienced operators from within the industry, or people with relevant similar experience in other industries who are looking to enter the resource recovery industry.</p> <p>Graduates will be responsible for their own performance and safety within the workplace, and have responsibility for the performance and safety of their team. They will have the skills and knowledge required to provide technical support to those operating in a resource recovery workplace relevant to their chosen strand. In addition, they will be able to identify new opportunities for their operation in the ever changing resource recovery and/or waste disposal workplace.</p>

Graduate Profile/Ngā hua o te tohu

Graduates of this qualification will be able to:

- Monitor legislative and regulatory compliance, and safe systems of work within the workplace and respond to issues of non-compliance as required to meet workplace policies and procedures in a resource recovery environment
- Apply concepts, principles and/or philosophies of environmental sustainability relevant to the New Zealand resource recovery industry to their work role in a resource recovery environment
- Supervise staff, and communicate appropriately with internal staff, clients, local bodies, government organisations, and the general public as required to meet relevant workplace policies and procedures in a resource recovery environment
- Co-ordinate machinery/equipment and team members to meet workplace performance, process and quality requirements in a resource recovery environment

Graduates of the Composting strand will also be able to:

- Apply in-depth technical knowledge of production and quality issues to plan for and carry out composting processes and related tasks at a composting workplace

Graduates of the Recovery and Recycling strand will also be able to:

- Apply in-depth technical knowledge of recovery and/or recycling processes and products to contribute to continuous improvement within the workplace

Graduates of the Scrap Metal Recycling strand will also be able to:

- Apply in-depth technical knowledge to uplift and discharge scrap metal and carry out related planning and duties at a scrap metal recycling workplace

Graduates of the Solid Waste strand will also be able to:

- Apply in-depth technical knowledge to process controlled waste and carry out related duties at a solid waste workplace.

Education Pathway/ Ngā huarahi mātauranga

This certificate builds on the New Zealand Certificate in Resource Recovery (Level 3) with strands in Composting, Recovery and Recycling, Scrap Metal Recycling, and Solid Waste, and an optional strand in Hazardous Waste [Ref: 2744].

Employment, Cultural, Community Pathway/ Ko ngā huarahi ā-mahi, ā-ahurea, ā-whānau, ā-hapū, ā-iwi, ā-hapori anō hoki

Holders of this certificate will have the skills and knowledge to work in roles such as senior operator, operations manager, or leading hand within their particular resource recovery workplace.

Qualification Specifications/ Ngā tauwhāititanga o te tohu

<p>Qualification Award/ Te whakawhiwhinga o te tohu</p>	<p>This qualification may be awarded by any tertiary education organisation with an approved programme of study or industry training programme leading to the qualification.</p>
<p>Evidence requirements for assuring consistency/ Ngā taunaki hei whakaū i te tauritenga</p>	<p>Evidence may include:</p> <ul style="list-style-type: none"> - end user surveys (e.g. graduates, employers, and industry associations) to determine how well graduates are meeting the graduate outcomes in the workplace - evidence of effective processes to ensure programmes continue to meet current industry needs and the graduate profile outcomes - evidence of effective internal and external quality assurance systems to assure that graduates meet the

	graduate outcomes of the qualification - any other relevant evidence.
Minimum standard of achievement and standards for grade endorsements/ Te pae o raro e tutuki ai, ngā paerewa hoki hei whakaatu i te taumata o te whakatutukinga	Achieved.
Other requirements for the qualification (including regulatory body or legislative requirements)/ Kō ētahi atu here o te tohu (tae atu hoki ki ngā here ā-hinonga whakamarumarū, ki ngā here ā-ture rānei)	
General conditions for programme/ Ngā tikanga whānui o te hōtaka	<p>Programmes must maintain pace with workplace policies and currently-accepted industry techniques/technology. Programme content must reflect current legislation, regulations and industry standards.</p> <p>Additional guidance on specific conditions relating to some or all of the graduate profile outcomes are published on MITO NZ's website and recommendations for programme development can be found on the MITO New Zealand Incorporated website (https://mito.org.nz).</p>

Conditions relating to the Graduate Profile /Ngā tikanga e hāngai ana ki nga hua o te tohu

Qualification outcomes/ Ngā hua		Credits/Ngā whiwhinga	Conditions/Ngā tikanga
1.	Monitor legislative and regulatory compliance, and safe systems of work within the workplace and respond to issues of non-compliance as required to meet workplace policies and procedures in a resource recovery environment	35	
2.	Apply concepts, principles and/or philosophies of environmental sustainability relevant to the New Zealand resource recovery industry to their work role in a resource recovery environment	10	
3.	Supervise staff, and communicate appropriately with internal staff, clients, local bodies, government organisations, and the general public as required to meet relevant workplace policies and procedures in a resource recovery environment	15	
4.	Co-ordinate machinery/equipment and team members to meet workplace performance, process and quality requirements in a resource	20	

	recovery environment		
Composting			
5.	Apply in-depth technical knowledge of production and quality issues to plan for and carry out composting processes and related tasks at a composting workplace	15	
Recovery and Recycling			
6.	Apply in-depth technical knowledge of recovery and/or recycling processes and products to contribute to continuous improvement within the workplace	15	
Scrap Metal Recycling			
7.	Apply in-depth technical knowledge to uplift and discharge scrap metal and carry out related planning and duties at a scrap metal recycling workplace	15	
Solid Waste			
8.	Apply in-depth technical knowledge to process controlled waste and carry out related duties at a solid waste workplace.	15	

Transition information/ He kōrero whakawhiti

Replacement information/ He kōrero mō te whakakapi	This qualification replaced the National Certificate in Scrap Metal Recycling (Nonferrous Purchasing) [Ref: 1286], the National Diploma in Composting [Ref: 1317], the National Certificate in Resource Recovery Operations [Ref: 1348], and the National Certificate in Solid Waste Disposal (Landfill Management) with optional strands in Gas Extraction, Leachate Removal and Tiphead Control [Ref: 1401].
Additional transition information/ Kō ētahi atu kōrero mō te whakakapi	Version 2 of this qualification was listed in December 2020. The last date for assessment of version 1 of this qualification is 31 December 2023. People currently enrolled in version 1 of this qualification may either complete that version before 31 December 2023, or transfer to the later version 2. The last date for entry into programmes leading to the replaced qualifications is 31 December 2017. The last date for completion of those qualifications is 31 December 2020, at which time they will be designated as discontinued. People currently working towards any of the replaced qualifications must complete its requirements, or

transfer to a programme of study or training leading to this qualification, by 31 December 2020.

Republication information

Version 1 of this qualification was republished in December 2016 to extend the last date of enrolment into programmes leading to the replaced qualifications, from 31 December 2016 to 31 December 2017.

It is the intention of MITO that no existing trainee should be disadvantaged by these transition arrangements.

Any person who considers they have been disadvantaged may appeal to the qualification developer

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Version Information

Please refer to [Qualifications and Assessment Standards Approvals](#) for further information.