

Qualification details

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| Qualification number/Te nama o te tohu mātauranga | 2744 | | |
| English title/Taitara Ingarihi | New Zealand Certificate in Resource Recovery (Level 3) with strands in Composting, Recovery and Recycling, Scrap Metal Recycling, and Solid Waste (with optional strand in Hazardous Waste) | | |
| Māori title/Taitara Māori | | | |
| Version number/Te putanga | 2 | Qualification type/Te momo tohu | Certificate |
| Level/Te kaupae | 3 | Credits/Ngā whiwhinga | 80 |
| NZSCED/Whakaraupapa | 039901 Engineering and Related Technologies>Other Engineering and Related Technologies>Environmental Engineering | | |
| Qualification developer/Te kaihanga tohu | MITO New Zealand Incorporated | | |
| Review Date /Te rā arotake | December 2025 | | |

Outcome statement/Te tauāki ā-hua

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| <p>Strategic Purpose statement/ Te rautaki o te tohu</p> <p>The purpose of this qualification is to provide the resource recovery industry with people who have the skills and knowledge required to work as operators within their particular sector of the resource recovery industry.</p> <p>Learners will benefit by having a qualification which recognises the skills and knowledge of a competent operator to enable improved job performance and a credential to enhance employment opportunities in the resource recovery industry.</p> <p>This qualification is suitable for learners who have some prior learning or experience in their sector, such as those who have experience as a processor or site worker.</p> <p>Graduates will work under limited supervision, and will have the skills and knowledge required to operate machinery relevant to their resource recovery operation. They will be able to work with other processors and operators to handle and process material in the resource recovery workplace relevant to their chosen strand.</p> |
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| <p>Graduate Profile/Ngā hua o te tohu</p> <p>Graduates of this qualification will be able to:</p> <ul style="list-style-type: none"> - Comply with legislative and workplace health, safety, and environmental procedures and contribute to incident reporting and risk assessment procedures in a resource recovery environment - Apply knowledge of resource recovery to communicate with clients, internal staff and the general |
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| <p>public as required to meet relevant workplace policies in a resource recovery environment</p> <ul style="list-style-type: none"> - Identify Hazardous Waste and apply the required safety and reporting procedures to meet relevant workplace policies and procedures in a resource recovery environment - Operate, monitor and control machinery and equipment, and undertake scheduled maintenance for that machinery and equipment to meet workplace performance, process and quality requirements in a resource recovery environment <p>Graduates of the Composting strand will also be able to:</p> <ul style="list-style-type: none"> - Apply knowledge of composting principles to operate windrows and undertake related duties at a composting workplace. <p>Graduates of the Recovery and Recycling strand will also be able to:</p> <ul style="list-style-type: none"> - Identify, accept, sort, and store a range of items received at a recovery and/or recycling workplace. <p>Graduates of the Scrap Metal Recycling strand will also be able to:</p> <ul style="list-style-type: none"> - Receive, grade, and weigh nonferrous metals for purchase at a scrap metal recycling workplace, in compliance with relevant legislation. <p>Graduates of the Solid Waste strand will also be able to:</p> <ul style="list-style-type: none"> - Apply knowledge of landfill operations to determine and respond to incoming waste loads at a solid waste workplace. <p>Graduates of the Hazardous Waste strand will also be able to:</p> <ul style="list-style-type: none"> - Apply skills and knowledge to safely handle, process, and store hazardous materials. |
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| <p>Education Pathway/ Ngā huarahi mātauranga</p> <p>This certificate builds on the New Zealand Certificate in Resource Recovery (Level 2) [Ref: 2743].</p> <p>This certificate may lead to the New Zealand Certificate in Resource Recovery (Level 4) with strands in Composting, Recovery and Recycling, Scrap Metal Recycling, and Solid Waste [Ref: 2745].</p> |
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| <p>Employment, Cultural, Community Pathway/ Ko ngā huarahi ā-mahi, ā-ahurea, ā-whānau, ā-hapū, ā-iwi, ā-hapori anō hoki</p> <p>Holders of this certificate will have the skills and knowledge to work as operators in their particular resource recovery workplace.</p> <p>Holders of the optional Hazardous Waste strand will also have the skills and knowledge to work in roles where they are required to handle and process hazardous waste safely.</p> |
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Qualification Specifications/ Ngā tauwhāititanga o te tohu

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| <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 |

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| | 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 |
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| 1. | Comply with legislative and workplace health, safety, and environmental procedures and contribute to incident reporting and risk assessment procedures in a resource recovery environment | 15 | |
| 2. | Apply knowledge of resource recovery to communicate with clients, internal staff and the general public as required to meet relevant workplace policies in a resource recovery environment | 10 | |
| 3. | Identify Hazardous Waste and apply the required safety and reporting procedures to meet relevant workplace policies and procedures in a resource recovery environment | 5 | |
| 4. | Operate, monitor and control machinery and equipment, and undertake scheduled | 30 | |

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| | maintenance for that machinery and equipment to meet workplace performance, process and quality requirements in a resource recovery environment | | |
| Composting | | | |
| 5. | Apply knowledge of composting principles to operate windrows and undertake related duties at a composting workplace. | 20 | |
| Recovery and Recycling | | | |
| 6. | Identify, accept, sort, and store a range of items received at a recovery and/or recycling workplace. | 20 | |
| Scrap Metal Recycling | | | |
| 7. | Receive, grade, and weigh nonferrous metals for purchase at a scrap metal recycling workplace, in compliance with relevant legislation. | 20 | |
| Solid Waste | | | |
| 8. | Apply knowledge of landfill operations to determine and respond to incoming waste loads at a solid waste workplace. | 20 | |
| Hazardous Waste | | | |
| 9. | Apply skills and knowledge to safely handle, process, and store hazardous materials. | 12 | |

Transition information/ He kōrero whakawhiti

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| Replacement information/ He kōrero mō te whakakapi | This qualification replaced the National Certificate in Scrap Metal Recycling (Operations) [Ref: 1285], the National Certificate in Composting [Ref: 1316], the National Certificate in Resource Recovery Operations [Ref: 1347], the optional strand in Hazardous Waste of the National Certificate in Solid Waste (Core Skills) (Level 2) [Ref: 1398], the National Certificate in Solid Waste Disposal (Landfill Entry Control) [Ref: 1399], the National Certificate in Solid Waste Disposal (Landfill Operations) [Ref: 1400], and the National Certificate in Hazardous Waste (Processing and Disposal) [Ref: 1402]. |
| 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

MITO
PO Box 10803
Wellington, 6011
T 04 494 0005
F 04 494 0006
FREEPHONE 0800 88 21 21
www.mito.org.nz

Version Information

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