

Qualification details

Qualification number/Te nama o te tohu mātauranga	2245		
English title/Taitara Ingarihi	New Zealand Diploma in Water Treatment (Level 5) with strands in Drinking-Water and Wastewater		
Māori title/Taitara Māori			
Version number/Te putanga	3	Qualification type/Te momo tohu	Diploma
Level/Te kaupae	5	Credits/Ngā whiwhinga	120
NZSCED/Whakaraupapa	030907 Engineering and Related Technologies>Civil Engineering>Water and Sanitary Engineering		
Qualification developer/Te kaihanganga tohu	Connexis Infrastructure ITO		
Next review /Te rā arotake	31 December 2024		

Outcome statement/Te tauāki ā-hua

Strategic Purpose statement/ Te rautaki o te tohu
<p>The purpose of this qualification is to provide the water treatment industry with individuals who can manage the operation of one or more water treatment plants to ensure they are operating at an optimum level and maintaining compliance with regulatory requirements.</p> <p>The qualification is stranded to recognise the specialist skills required to work in either drinking-water or wastewater treatment plants.</p> <p>The trainee will benefit from having a qualification within a training pathway that recognises progression through the water industry, as well as increased skill and knowledge acquisition to improve job performance.</p> <p>Graduates will be capable of working autonomously and may be in a leadership role.</p>

Graduate Profile/Ngā hua o te tohu
Graduates of this qualification will be able to:

- Manage visitors, external contractors, and/or lead staff in a water treatment plant environment.

Graduates of the Drinking-Water strand will also be able to:

- Manage and optimise drinking-water treatment plant operations and ensure compliance with relevant legislation, and current New Zealand drinking-water standards
- Manage risks to public health in a drinking-water treatment plant environment.

Graduates of the Wastewater strand will also be able to:

- Manage and optimise a wastewater treatment plant to ensure compliance with regulatory requirements
- Manage risks in a wastewater treatment plant environment

Education Pathway/ Ngā huarahi mātauranga

This qualification can build on the relevant strand of New Zealand Certificate in Water Treatment (Level 4) with strands in Drinking-Water, Wastewater, Drinking-Water Multistage Processes, and Wastewater Multistage Processes [Ref: 2242].

If a relevant strand/s of the New Zealand Certificate in Water Treatment (Level 4) has not been completed, candidates will need to demonstrate equivalent skills and knowledge prior to enrolment in this qualification.

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

Graduates of this qualification may be employed as supervisors of one or more drinking water or wastewater treatment plants.

Qualification Specifications/ Ngā tauwhāititanga o te tohu

Qualification Award/ Te whakawhiwhinga o te tohu	This qualification will be awarded by an organisation which has an approved programme, or industry training programme leading to the qualification.
Evidence requirements for assuring consistency/ Ngā taunaki hei whakaū i te tauritenga	Evidence may include: Internal and external moderation processes and results relating to the assessment of graduate outcomes Feedback and actions taken by the Tertiary Education Organisation in response to feedback Programme completion data and course results 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)	None
General conditions for programme/ Ngā tikanga whānui o te hōtaka	Competency for this qualification will typically be demonstrated in a workplace environment. All outcomes in this qualification require aspects of record keeping, communication, and workplace health and safety, which should be considered as part of the assessment process.

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.	Manage visitors, external contractors, and/or lead staff in a water treatment plant environment.	10 credits	
Drinking-Water strand			
2.	Manage and optimise drinking-water treatment plant operations and ensure compliance with relevant legislation, and current New Zealand drinking-water standards	90 credits	
3.	Manage risks to public health in a drinking-water treatment plant environment.	20 credits	
Wastewater strand			
4.	Manage and optimise a wastewater treatment plant to ensure compliance with regulatory requirements	80 credits	
5.	Manage risks in a wastewater treatment plant environment	30 credits	

Transition information/ He kōrero whakawhiti

Replacement information/ He kōrero mō te whakakapi	Version 1 of this qualification and the New Zealand Diploma in Drinking-Water Assessment (Level 5) [Ref: 2244] replaced the National Diploma in Drinking-Water (Level 5) with strands in Drinking-Water Assessment, and Water Treatment [Ref: 1012]. This qualification also replaced the
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	National Diploma in Wastewater Treatment (Level 5) [Ref: 0966].
<p>Additional transition information/ Kō ētahi atu kōrero mō te whakakapi</p>	<p>Version 3 of this qualification was published in MONTH 2019 following a review. Refer to the published review summary for further information.</p> <p>The last date for assessment to take place for version 2 of this qualification is 31 December 2021. People currently working towards version 2 of this qualification may either complete the requirements for that version of the qualification by that date or transfer to version 3.</p> <p>It is the intention of Connexis Infrastructure ITO 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 - Connexis qualifications@connexis.org.nz or 04 499 9144.</p> <p>Version 2 of this qualification was published in November 2016 following a revision to transfer the qualification developer responsibility from Primary ITO to Infrastructure ITO; update qualification specifications; and update specific conditions relating to the graduate profile outcomes.</p> <p>Version 1 of this qualification was republished in February 2015 to update the Evidence Requirements for managing consistency.</p>