

LEVEL 4 UTILITIES MAINTENANCE



NEW ZEALAND CERTIFICATE IN UTILITIES MAINTENANCE

(with strands in Water, and Wastewater and Stormwater)

NZQA REF: 2695 **97-101 credits**

FORMAL RECOGNITION FOR SKILLED INFRASTRUCTURE WORKERS

This qualification will give you the knowledge and skills to work with limited supervision to maintain New Zealand's water, wastewater and stormwater utilities systems and safely and efficiently respond to failures.

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WHICH SKILLS DOES IT COVER?

Developed with industry, for industry, this qualification covers core skills including:

- **Communicating and maintaining safety both onsite and for the community**
- **Applying knowledge of the maintenance and installation of pipes, fittings and structures using industry standards and specifications**

Plus the skills in one of the following strands:

WATER:

- Identifying and repairing water reticulation faults within the underground utility network, including scheduled and reactive works
- Applying knowledge of pumping and water systems

WASTEWATER AND STORMWATER:

- Identifying and repairing wastewater reticulation faults within the underground utility network, including scheduled and reactive works
- Applying knowledge of pumping, wastewater and stormwater systems
- Applying knowledge of the composition of wastewater, and unblocking, cleaning and maintaining wastewater systems and pump stations

L4

**UTILITIES
MAINTENANCE**

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WHERE CAN IT TAKE YOU?

Gaining this Level 4 qualification, combined with 8,000 hours of experience, will make you eligible to apply for Civil Trades Certification. Check with your Connexis Customer Service Account Manager (CSAM) for more information on Civil Trades Certification.

The New Zealand Certificate in Utilities Maintenance can also lead into qualifications in Infrastructure Works Site Supervision and First Line Management.

HOW IS THE QUALIFICATION ACHIEVED?

The qualification will take around 18-24 months, though time may vary between individuals. It is achieved through a mix of on and off-job assessments.

People with significant industry experience may be able to achieve the qualification through Recognition of Current Competence (RCC). This is a process which recognises the skills and knowledge already gained from previous work and/or study.

BENEFITS OF THIS QUALIFICATION

FOR YOU

- Formal recognition of your skills and knowledge – approved by industry
- Become highly skilled in your field
- Enhances your career prospects
- Provides a springboard to further training and higher qualifications

FOR YOUR EMPLOYER

- Employees can work with limited supervision
- Meets compliance requirements
- Increased productivity
- Higher standards – less rework
- Greater safety awareness

ENTRY REQUIREMENTS:

It is recommended that people achieve the Level 3 New Zealand Certificate in Infrastructure Works and/or Level 3 New Zealand Certificate in Plant and Equipment Operation, or demonstrate equivalent knowledge and experience, before attempting this qualification.

COMPANY NAME:		TRAINEE NAME:		PHONE:		NSN:	
UNIT STANDARD	LEVEL 4 (QUALIFICATION VERSION 1) NZQA REF: 2695	LEVEL	CREDIT				
ALL OF THE FOLLOWING ARE REQUIRED:							
17599	Plan a confined space entry	4	5				
18426	Demonstrate knowledge of hazards associated with confined spaces	3	4				
19207	Enter, work in, and exit a confined space in the water industry	3	5				
26781	Identify and liaise with people affected by activities at an infrastructure works site	4	3				
19205	Demonstrate knowledge of pathogens, diseases, and their control in the water industry	3	2				
9695	Examine problem-solving models and explain associated techniques	4	3				
25510	Operate an atmospheric testing device to determine a suitable atmosphere exists to work safely	3	4				
AT LEAST 4 CREDITS FROM THE FOLLOWING IS REQUIRED:							
17600	Explain safe work practices for working at heights	3	3				
20869	Demonstrate knowledge of notifiable works and permits in the civil infrastructure industry	3	2				
20876	Conduct and document civil infrastructure worksite health and safety meetings	4	2				
6435	Implement notification requirements for infrastructure works	5	3				
23279	Demonstrate knowledge of excavation for infrastructure pipelaying	3	5				
2138	Demonstrate knowledge of asbestos and safety procedures	2	1				

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28711	Interpret infrastructure plans and set-out information	4	5
27328	Install structures for infrastructure pipelaying and carry out follow-up procedures	4	10
23283	Excavate, backfill and compact, and prepare for surface reinstatement for infrastructure works	3	10
22290	Demonstrate knowledge of and carry out infrastructure works quality assurance requirements	4	5
27501	Demonstrate knowledge of protection and support systems for excavation on an infrastructure works site	3	2
6479	Locate and identify services for infrastructure works	3	5
20875	Demonstrate knowledge of slinging, lifting, moving, and placing loads using mobile plant	2	5
WATER STRAND			
ALL OF THE FOLLOWING ARE REQUIRED:			
19210	Service, clean, disinfect, and restore reservoirs or reticulation mains	3	4
24925	Prepare, install fittings, and charge up a pipe line, and check for leaks and operation, for water reticulation	4	4
22100	Demonstrate knowledge of leak detection and leak detection programmes	3	4
22102	Demonstrate knowledge of pressure zones and backflow prevention in water reticulation	4	4
22109	Demonstrate knowledge of pumps used in water reticulation	4	5
AT LEAST 4 CREDITS FROM THE FOLLOWING IS REQUIRED:			
22097	Demonstrate knowledge of rehabilitation and replacement of existing water pipe lines	3	3
19209	Demonstrate knowledge of water reticulation systems cleaning and disinfection	3	4
22106	Describe water quality monitoring and preventative measures in water supply reticulation systems	4	5
24924	Shut down and re-commission a drinking-water supply mains	3	4
19211	Describe water supply mains materials and fittings, and causes and prevention of pipe failure	3	6
WASTEWATER AND STORMWATER STRAND			
ALL OF THE FOLLOWING ARE REQUIRED:			
19214	Carry out wastewater pipe unblocking and access chamber maintenance	3	3
19215	Describe wastewater systems and materials, and causes and prevention of pipe failure	3	6
22111	Demonstrate knowledge of sewer cleaning, blockage removal, overflow management and clean-up	3	3
22113	Demonstrate knowledge of flows in wastewater and flow measurement techniques	4	4
22114	Demonstrate knowledge of stormwater systems and their maintenance, management and treatment options	4	5
22098	Demonstrate knowledge of rehabilitation and replacement of existing wastewater pipe lines	3	3
28723	Clean and maintain pump stations	3	5

FURTHER INFORMATION

BROCHURE VERSION 1

WANT TO ENROL OR FIND OUT MORE? CONTACT US AND WE'LL PUT YOU IN TOUCH WITH YOUR LOCAL CUSTOMER SERVICE ACCOUNT MANAGER

Infrastructure ITO

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