

National Certificate in Water Reticulation (Supervisor) Level Four – 122-126 Credits



InfraTrain
New Zealand

Training Plan

(Full name)

The National Certificate in Water Reticulation (Supervisor) is a Level 4 qualification comprising 122-126 credits.

To be awarded the qualification, trainees must complete:

- Core Compulsory Units
- Core Elective Units

Plus one of the following strands:

- Water Strand
- Wastewater Strand

Core Compulsory Units – All the units listed below are required.

Unit No.	Unit Standard Title	Level	Credit	Pre-requisites	Off Job	Comments
5616	Assist in hazard identification and control for occupational health and safety practice	4	10			
6427	Allocate plant, equipment, and vehicles to civil construction projects	4	8			
6434	Liaise with client, consultant, and service authority on behalf of civil construction contractor	4	12			
6435	Notify members of the public affected by civil construction activities	3	3			
6443	Supervise civil construction activities on multiple sites	5	15			
6451	Implement notifiable work and permit requirements on civil construction works	4	5			
6456	Organise the supply and storage of materials for civil construction	3	4			
6479	Locate and identify services on civil construction sites	3	4			
19201	Demonstrate knowledge of, and locate, reticulated services in the water industry	3	4		✓	
19204	Produce and use as-built plans in the water industry	3	4			
22103	Describe trenching and demonstrate trench set-out requirements for water reticulation	4	4	6479, 19201, 19204		
22104	Demonstrate knowledge of pipe jointing systems for water reticulation	3	5		✓	
22108	Demonstrate knowledge of water reticulation asset management	4	3		✓	
22110	Describe water reticulation asset risk, and asset maintenance for water, wastewater and stormwater	4	4		✓	
22992	Prepare and maintain records for civil construction works	4	10			

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Core Elective Units – One of the units listed below is required.

Tick to select

Unit No.	Unit Standard Title	Level	Credit	Pre-requisites	Off Job	Comments	
6430	Demonstrate knowledge of conditions of contract for civil projects	5	8				
22109	Demonstrate knowledge of pumps used in water reticulation	4	5		✓		

Strand Options – One of the following strands is required.

Water Strand – Meet the requirements of the Compulsory and Elective Sets below.

Tick to select

Water Strand Compulsory Units – The units listed below are required.

Unit No.	Unit Standard Title	Level	Credit	Pre-requisites	Off Job	Comments	
19209	Demonstrate knowledge of water reticulation system cleaning and disinfection	3	4		✓		
19210	Service, clean, disinfect, and restore reservoirs or reticulation mains	3	4				
22102	Demonstrate knowledge of pressure zones and backflow prevention in water reticulation	4	4		✓		
22105	Maintain water quality in water supply reticulation systems	4	6	19209, 19210			
22106	Describe water quality monitoring and preventative measures in water supply reticulation systems	4	5		✓		

Water Strand Elective – One of the units listed below is required.

Tick to select

19207	Enter, work in, and exit a confined space in the water industry	3	3	18426	✓		
22097	Demonstrate knowledge of rehabilitation and replacement of existing water pipe lines	3	3		✓		
22099	Demonstrate knowledge of water consumption and water conservation	3	4		✓		
22100	Demonstrate knowledge of leak detection and leak detection programmes	3	4		✓		
22101	Demonstrate knowledge of water meters and reading techniques, and identify faults in meters	3	3		✓		
22107	Prepare for and set up CCTV, and describe procedures for CCTV survey of water reticulation assets	4	4	17599, 18426, 19207	✓	5627 Et Current Transit NZ Road Traffic Controller (TC) (or higher) recommended	
17599	Plan a confined space entry	4	5		✓		

Wastewater Strand – Meet the requirements of the Compulsory and Elective Sets below. Tick to select**Wastewater Strand Compulsory Units** – The units listed below are required.

Unit No.	Unit Standard Title	Level	Credit	Pre-requisites	Off Job	Comments
19207	Enter, work in, and exit a confined space in the water industry	3	3	18426	✓	
22111	Demonstrate knowledge of sewer cleaning, blockage removal, overflow management and clean-up	3	3		✓	
22112	Demonstrate knowledge of wastewater composition, corrosion in sewers, odours, and odour control	4	4		✓	
22113	Demonstrate knowledge of flows in wastewater and flow measurement techniques	4	4		✓	
17599	Plan a confined space entry	4	5		✓	

Wastewater Strand Elective – One of the units listed below is required.

Tick to select

22098	Demonstrate knowledge of rehabilitation and replacement of existing wastewater pipe lines	3	3		✓		
22107	Prepare for and set up CCTV and describe procedures for CCTV survey of water reticulation assets	4	4	17599, 18426, 19207	✓	5627 Et Current Transit NZ Road Traffic Controller (TC) (or higher) recommended	
22114	Demonstrate knowledge of stormwater systems and their maintenance, management and treatment options	4	5		✓		