



Weekly Webinar Series

Small supply rules
Acceptable Solutions

24 November 2021



Welcome

Ko wai, ko au, ko tātou

Ko te wai ahau, ko ahau te wai.
He whakaaturanga tātau nō te wai.
Ko te ora te wai ko te ora o te
tangata.
He taonga te wai me tiaki.
Ko wai tātou.
Ko wai tātou.

I am wai, wai is me.
We are reflections of our wai.
The health of te wai is the health of te
tangata.
Wai is a taonga that must be protected.
Ko wai tātou.
We are wai. Wai is us.



What we will cover today

- **Current state**
 - Ray McMillan, Head of Regulatory – key messages
- **Topics**
 - India Eiloart, Senior Technical Advisor – Small Supply Rules
 - Jim Graham, Principal Advisor, Drinking Water – Structure of the Rules, Acceptable Solutions
- **Pātai / questions**
 - Opportunity to answer any further pātai / questions you might have



Key messages

Key messages | For all drinking water suppliers

- If you supply drinking water to more than one household then you are considered a drinking water supplier under the Water Services Act 2021.
- You have a duty of care to ensure that water you supply is safe to drink. Your consumers rely on you to get this right every day.
- Existing Drinking Water Standards New Zealand will continue to apply until replaced by new standards (expected around 1 July 2022).



Key messages | For registered drinking water suppliers

- Within the next three months, previously registered suppliers will receive an email from us to check their supply details and complete the registration process in Hinekōrako.
- We are taking a phased approach starting with large suppliers first, through to small suppliers.
- Registered suppliers will need to provide us with a Drinking Water Safety Plan by 15 November 2022 (or alternatively comply with a Drinking Water Acceptable Solution).
- You will need to notify us if you do not meet the current drinking water standards (taumataarowai.govt.nz/incident-notifications).

Key messages | For unregistered drinking water suppliers

- Unregistered drinking water suppliers have a duty of care to ensure any drinking water they supply is safe to drink. This applies now.
- Otherwise, unregistered suppliers have up to **four years** to register and up to **seven years** to meet other requirements of the Act.
- These timeframes provide an opportunity for Taumata Arowai to work with small suppliers to understand needs and circumstances to ensure any solutions and requirements are fit for purpose.



Public consultation

- Drafts for new Drinking Water Quality Assurance Rules, Drinking Water Standards, Aesthetic Values, and Acceptable Solutions, are available on our website (taumataarowai.govt.nz/for-water-suppliers).
- The Water Services Act 2021 places clear obligations on Taumata Arowai to consult on these drafts. We welcome your feedback during public consultation, which is likely to commence early in 2022.
- The existing Ministry of Health Drinking-water Standards for New Zealand will apply until the new rules and standards come into effect, which is likely to be **1 July 2022**.

Structure of the Rules

Rule type codes and complexity levels

- **Rule type codes**

- G = General rules
- S = Source water rules
- T = Treatment rules
- D = Distribution rules
- WC = Water Carrier Service Rules
- PTE = Planned Temporary Event Drinking Water Supplies Rules

- **Rules complexity levels**

- 1 = simple
- 2 = moderate
- 3 = complex



Rules modules

G		
S 1	T 1	D 1
S 2	T 2	D 2
S 3	T 3	D 3
WC	PTE	



Rules modules

G		
S 1	T 1	D 1
S 2	T 2	D 2
S 3	T 3	D 3
WC	PTE	



Rules modules

G		
S 1	T 1	D 1
S 2	T 2	D 2
S 3	T 3	D 3
WVC	PTE	



Rules modules

G		
S 1	T 1	D 1
S 2	T 2	D 2
S 3	T 3	D 3
WVC	PTE	



Rules modules

G		
S 1	T 1	D 1
S 2	T 2	D 2
S 3	T 3	D 3
WC	PTE	



Small Supply Rules

S2 Source Water Rules

- Three categories for testing:
 - Surface and ground water
 - Additional ground water
 - Roof water
- Cyanobacteria rules:
 - Assessment for low, medium, high risk
 - If high risk, need to prepare a plan



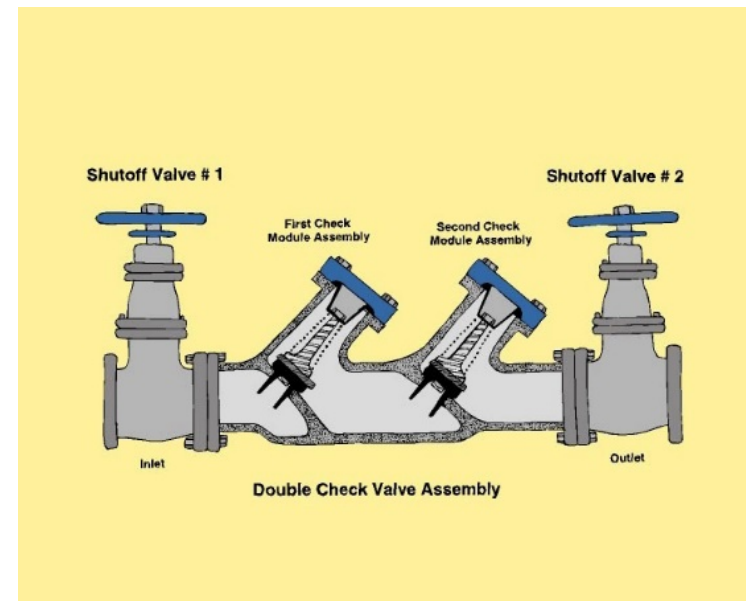
T2 Treatment Rules

- Must have:
 - Filtration
 - UV
 - Chlorination
- Chemical rules
- Cyanotoxin rules



D2 Distribution Rules

- Monitoring requirements
- New requirements to test for plumbosolvent metals
- Backflow



Acceptable Solutions

Three Acceptable Solutions

- Rural Agricultural Water Supply
- Roof Water Supply
- Springs and Bores Water Supply

If used, water supplies don't need to comply with parts of the Water Services Act

- S24 Aesthetic values
- S27 Backflow
- S30 Water Safety Plan
- S48 Water Quality Assurance Rules



Three Acceptable Solutions

But water supplies are still required to

- Register the supply with Taumata Arowai
- Ensure drinking water is safe
- Ensure duties under the Water Services Act are met
- Comply with notification requirements
- Comply with record keeping requirements



Three Acceptable Solutions

Each Acceptable Solution requires:

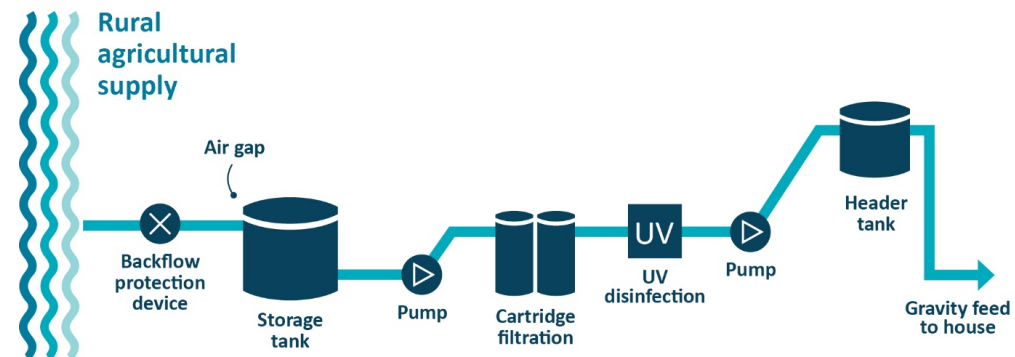
- O&M manual and SOPs required
- Maintenance, inspection, calibration
- Monitoring and testing
- Incident management
- Training
- Auditing



Rural agriculture water supplies

Where water is provided at a restricted volume (trickle feed) to a point of supply storage tank on a consumers' property

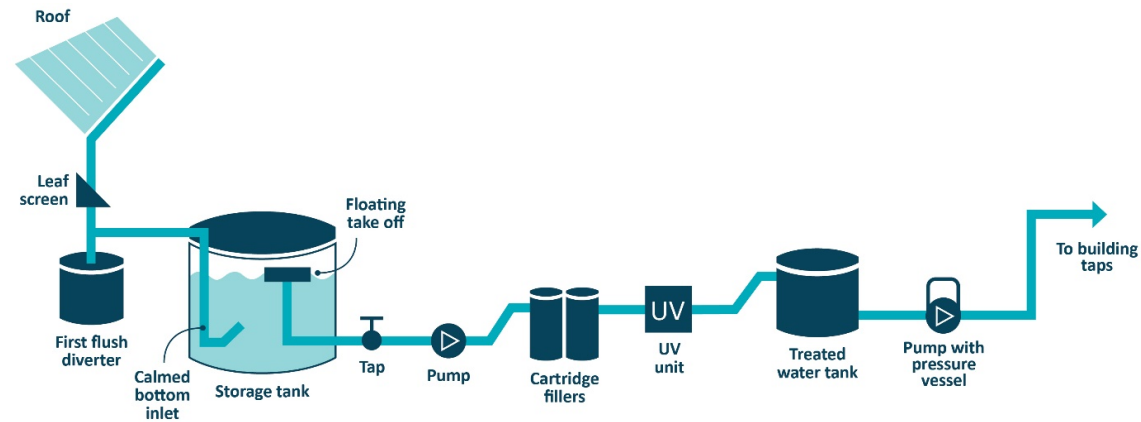
- No population limit
- End point treatment at each house
- Cartridge filtration and UV disinfection
- Source water must be suitable for this type of treatment
- Backflow prevention requirements
- Chlorine not required
- Testing for...



Roof water supplies

Water is supplied to a building, or group of buildings, which share the same roof water source

- Population max 500 people
- Leaf screen, first flush diverter
- Cartridge filtration and UV disinfection
- Chlorine not required
- Testing for.....



Spring and bore water supplies

Drinking water supply from a bore or spring

- Population max 500 people
- Head works treatment and distribution of potable water
- Cartridge filtration and UV disinfection
- Source water must be suitable for this type of treatment
- Eg stable pH and turbidity
- Backflow prevention requirements
- Must be chlorinated
- Monitoring for...



Pātai | Questions?