



# Drinking Water Quality Assurance Rules Reporting

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### Te Whakatauākī a Taumata Arowai

Ko te wai ahau, ko ahau te wai.

He whakaaturanga tātou 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 water, water is me.

We are reflections of our water.

The health of the water is the health of

the people.

Water is a treasure that must be

protected.

We are water.

Water is us.



### What we will cover

- 1. Introduction
- Overview of the Drinking Water Quality Assurance (the Rules) reporting
- 3. Diving into the detail of the Rules reporting
- 4. Questions / Pātai:
  - Use the webinar chat function for general questions on reporting
  - Email specific questions and feedback through to info@taumataarowai.govt.nz

This webinar will be recorded and made available on our website

### Introduction



### **About this webinar**

### Our aim

Introduce reporting requirements to suppliers, including changes to reporting

#### Who is this webinar for?

People who are reporting on the Rules

### **Basic understanding of requirements**

- Compliance with the Rules
- Mechanisms of reporting: Excel spreadsheet vs Application Programming Interface (API)
- Drinking Water Quality Assurance Rules Guidance for Reporting (2023)





### This session will not cover

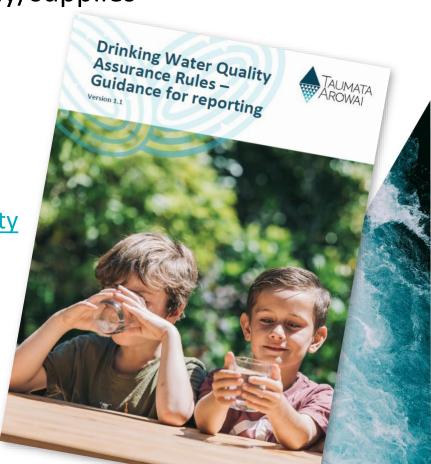
Discussion on how a rule specifically applies to your supply/supplies

What to report for your supply/supplies

### **More information**

Refer to the guidance on our website:

taumataarowai.govt.nz/for-water-suppliers/monitoring-water-quality



### The Rules: a brief overview



### The Rules

s 49 of WSA 2021

Introduction

General guidance

Drinking water supply categories

Rule modules

- Assurance rules
- Monitoring rules

### **Individual Rules**

Rule numbers

Requirement

Compliance period

Reporting period

Rule clarifications (website)

### **Rules Reporting**

Reporting Rule IDs

**Rules Summary List** 

Parameter/Determinand List

Guidance for reporting

Reported data

- Excel templates
- API



### **Key concepts**

- Monitoring Rules to demonstrate compliance with Drinking Water Standards (sampling and continuous monitoring). Different compliance periods for different rules (day, month, quarter or year)
- **Assurance Rules** water supplier activities e.g. backflow prevention programme, distribution zone sampling plan. Indicative of good practice and provision of safe drinking water
- Rule Numbers the alphanumeric rule identifier in the Rules (e.g., T3.8)
- **Reporting Rule IDs** an alphanumeric identifier that may or may not be different from the Rule Number (e.g., D2.1-ecol)





Rule Module/s	Assurance Rule Reporting Required	Monitoring Rules Reporting Required
VSC (Very Small Communities)	No	No
WC (Water Carrier Services)	No	Not applicable
TDWS (Temporary Drinking Water Supplies)	No	No
VP (Varying Population)	Not applicable	No
G, S1, T1, D1 (Level 1 Modules)	No	<ul><li>Yes:</li><li>Biannual reporting (Rule G1)</li><li>Annual reporting (Rule G4)</li></ul>
G, S2, T2, D2 (Level 2 Modules)	Yes, annually (Rule G5)  Note: All applicable assurance rules for a supply using G, S2, T2, and D2 rule modules.	Yes: <ul><li>Quarterly Reporting (Rule G2)</li><li>Annual reporting (Rule G4)</li></ul>
G, S3, T3, D3 (Level 3 Modules)	Yes, annually (Rule G5)  Note: All applicable assurance rules for a supply using G, S3, T3, and D3 rule modules	<ul><li>Yes:</li><li>Monthly Reporting (Rule G3)</li><li>Annual Reporting (Rule G4)</li></ul>



### Timeframe and use of the data

### **Annual reports**

- Due within 40 working days of the end of each calendar year
- Issues? Contact the regulatory team based in your region

### **Use of the data by Taumata Arowai**

- Draw information from Hinekorako for our reports
- Inform our understanding of drinking water safety and risk
- Help prioritise our regulatory activities
- Future plans

Water suppliers are responsible for ensuring data submitted to Taumata Arowai is correct, as well as any other information in Hinekōrako





5. Taumata Arowai receives reporting from supplier and responds if necessary

1. The Rules require suppliers to report on compliance



4. Supplier assesses and reports on compliance



2. Taumata
Arowai supports
reporting with
reporting system
and guidance



3. Supplier select rules to follow

## Overview of the Rules reporting



### Why has there been an update?

- Some rules are complex
- Some rules have required clarifications
- Automated quality checks
  - Enables better data
  - Enables efficiency
- Automated compliance checks
  - Enables efficient analysis of data
  - Enables reliable, efficient report generation
  - Reduces human error in reporting



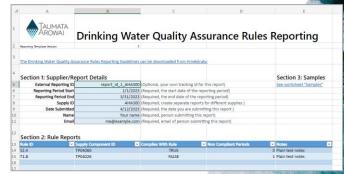
#### Rules summary list

⊿	Α	В	C	D	E	F	G	H	1	J	K	L	M	N	0	P	Q	R	
1	ID	Rule Mode	Rule Num	Level	Parameter	Type	Log	Complian	Reporting	Report Tir	Sampling	Duration 8	Determina	Unit Check	Sample F	Re Report Su	Minimum	Rule Appli	è
2	G1	G	G1		)	Assurance	N/A	Annually	Annually	40 Workin	N/A	N/A	0	0		1 1		\$1,T1,D1	
3	G2	G	G2		)	Assurance	N/A	Annually	Annually	40 Workin	N/A	N/A	0	0		1 1		52,T2,D2	
4	G3	G	G3	(	)	Assurance	N/A	Annually	Annually	40 Workin	N/A	N/A	0	0		1 1		\$3,T3,D3	
5	G4	G	G4		)	Assurance	N/A	Annually	Annually	40 Workin	N/A	N/A	0	0		1 1		\$1,\$2,\$3,T	ı,
6	G5	G	65		)	Assurance	N/A	Annually	Annually	40 Workin	N/A	N/A	0	0		1 1		52,T2,D2,S	3
7	G6	G	G6	(	)	Assurance	N/A	Annually	Annually	40 Workin	N/A	N/A	0	0		1 1		\$1,\$2,\$3,T	1
8	G7	G	G7		)	Assurance	N/A	Annually	Annually	40 Workin	N/A	N/A	0	0		1 1		\$1,52,53,T	
9	G8	G	G8	(	)	Assurance	N/A	Annually	Annually	40 Workin	N/A	N/A	0	0		1 1		\$1,\$2,\$3,T	
10	G9	G	G9		)	Assurance	N/A	Annually	Annually	40 Workin	N/A	N/A	0	0		1 1		\$1,\$2,\$3,T	ĺ,
11	G10	G	G10		)	Assurance	N/A	Annually	Annually	40 Workin	N/A	N/A	0	0		1 1		\$1,52,53,T	ĺ,
12	G11	G	G11		)	Assurance	N/A	Annually	Annually	40 Workin	N/A	N/A	0	0		1 1		\$1,\$2,\$3,T	1
13	G12	G	G12		)	Assurance	N/A	Annually	Annually	40 Workin	N/A	N/A	0	0		1 1		51,52,53,T	ĺ,
14	G13	G	G13	(	)	Assurance	N/A	Annually	Annually	40 Workin	N/A	N/A	0	0		1 0		T1,T2,T3	
15	G14	G	G14		)	Assurance	N/A	Annually	Annually	40 Workin	N/A	N/A	0	0		1 0		T3,D3	

#### Parameter and determinand list

1		A			0					1.5	1 8		M	14	0	p	q	- 1	5	T	ii ii
1	ID		Title	Type	Value Pref I	MAV	Unit	AV Value I	6 AV Value	FUnits	Descriptio Notes	Source	Link								
2			1,2-dibr	on Determi	N/CE	0.00	1 mg/L			mg/t	Maximum accepts	ble WSR 20	22 https://ww	mulegislat	ion govt.nz	/regulation	/public/2	022/0168/lat	test/Wholi	e.html#LM	5698039
3			1,2-dibr	on Determi	N/CE	0.000	e mg/L			mp/L	Maximum accepts	ble WSR 20	22 https://ww	oroclegislat	ion.govt.nz	fregulation	/public/2	022/0168/w	test/whole	e.html#(M	5698039
4			1,2-dich	loi Determi	N/Cm	1.	5 mg/L			mg/L	Maximum accepta	6H WSR 20	22 https://ww	nniclegi slat	ion.govt.na	/regulation	/public/2	022/0168/lw	test/whole	e.htm/#UM	5698039
5			1,2-dich	loi Determi	N/ Cm	0.0	S mg/L			mg/L	Maximum accepta	bli WSR 20	22 https://ww	onclegislat	ion.govt.nz	/regulation	/public/2	022/0168/lar	test/wholi	e.html#th#	5698039
.6			1,2-dich	for Determi	N/<=	0.0	6 mg/L			mg/L	Maximum Total of	cit WSR 20	22 https://ww	rivellegi slat	ion.govt.nz	/regulation	/public/2	022/0168/lar	test/whole	a.htm\ffLM	5698009
7.			1,2-dich	loi Determi	N/ca	0.0	5 mg/L			mg/L	Maximum accepta	ble WSR 20	22 https://ww	ovulegislat	ion.govt.nz	/regulation	/public/2	022/0168/10	test/wholi	e.htm/#LM	5698039
8			1,3-dich	loi Determi	M.CE	0.0	2 mg/L			mg/L	Maximum Total of	cis WSR 20	22 https://ww	mulegislat	ion govt.nz	regulation	/public/2	022/0168/hat	test/whole	e.hom/#EM	5698039

#### Reporting template (and API)









- Many rules have multiple sampling and/or assurance requirements.
  - Example: Rule Number T1.8 has three main requirements
    - Each of these requirements is split into their own Reporting Rule ID
      - T1.8-ecol E. coli sampling compliance
      - T1.8-coli Total coliform sampling compliance
      - T1.8-turb Turbidity sampling compliance

T1.8	Water leaving the treatment plant must be monitored for the determinands and at the
	frequencies set out in Table 10.

Table 10. T1 Treatment plant monitoring determinands.

Determinands	Sampling frequency
E. coli <sup>18</sup>	Every 3 months
Total coliforms	Every 3 months
Turbidity	Every 3 months



### Reporting Rule IDs



- Some rules have multiple requirements
- Report against each requirement
- Clarity on how to submit samples (essentially lab results)
- Enables a Rules-by-Code approach to reduce ambiguity
- All requirements aren't created equal
- Enables better understanding of compliance / non-compliance

### What is reported?



Field hierarchy description

Example report against Rule T1.8

<u>Reporting Fields:</u> Reporting period, Supply ID, Date submitted, submission method, and who submitted.



### **How to report: Excel Reporting Template**





### **Drinking Water Quali**

Reporting Template Version:

The Drinking Water Quality Assurance Rules Reporting Guidelines can be downloaded

#### Section 1: Supplier/Report Details

External Reporting ID	report_id_1_AHA300	(Optional, your own
Reporting Period Start	1/01/2023	(Required, the start (
Reporting Period End	31/03/2023	(Required, the end d
Supply ID	AHA300	(Required, create se
Date Submitted	12/04/2023	(Required, the date)
Name	Your name	(Required, person su
Email	me@example.com	(Bequired, email of p



#### Hinekōrako



Te Whakahaere Kaiwhakamahi Te Tuku Pürongo

Bruce Larsen ✓

Home > My Supplies

#### My Supplies

#### Nau mai, welcome to Hinekorako

Hinekôrako is used to collect and manage information on drinking water supplies including registration details. It allows suppliers and laboratories to share information with us. Hinekõrako holds information about registered drinking water supplies and supports the Public Register of Drinking Water Supplies.

- · verify supplies by confirming the registration information
- · edit registrations already submitted
- · apply to register new supplies.

There are guidance and resources available about registering your supply and maintaining supply information. Contact your Supply Group Administrator or Taumata Arowai if you have any issues with

To notify us of any changes or issues with your supplies, choose 'View Supply Details' from the drop-down menu for the supply and then 'View/Add Notifications'

Heipful guidance videos can be found here: Confirm Migrated Supply Details (All Supplies except Water Carriers) and Confirm Migrated Supply Details (Water Carriers).

#### In Progress Supply Registrations

Below are the migrated supplies not yet confirmed and submitted, and any new supply registrations not yet completed and submitted.



#### Registered Supplies

Below are the supplies that have been registered, confirmed and submitted to Taumata Arowal

To review your supply details, select the 'Supply ID'. From here you can choose to 'Edit Supply' information relating to your supply. If no changes are necessary, simply return to the Home page.

				Search Q
Supply ID 🔨	Supply Group	Supply Name	Supply Type	Registration Renewal Date ^
There are no records t	o display.			

#### Other Supplies

Below are the supplies that have been submitted for registration but need further processing or those that have been deregistered. Refer to the quick reference guides for further information. Please note these supply details cannot be edited. If you wish to re-register a deregistered supply, please contact Taumata Arowai for assistance

Supply ID ^	Supply Group	Supply Name	Supply Type	Supply Status	Date Last Modified	

newzealand.govt.nz

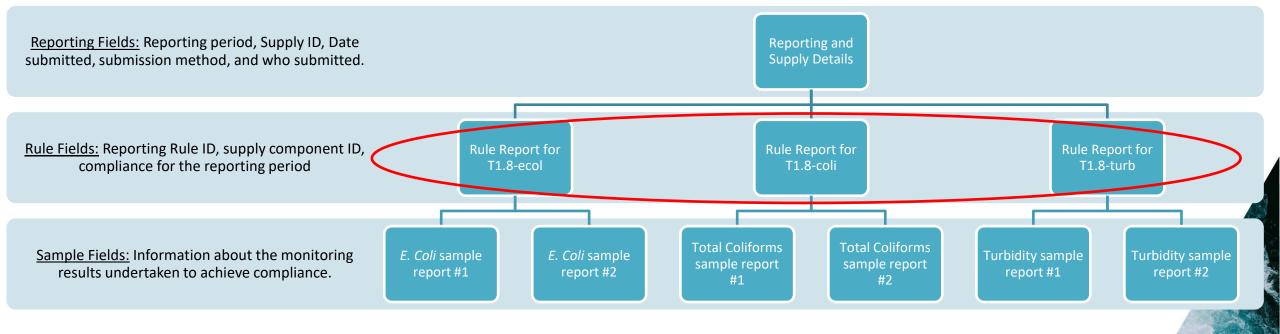
Privacy, copyright and disclaimer

### What is reported?

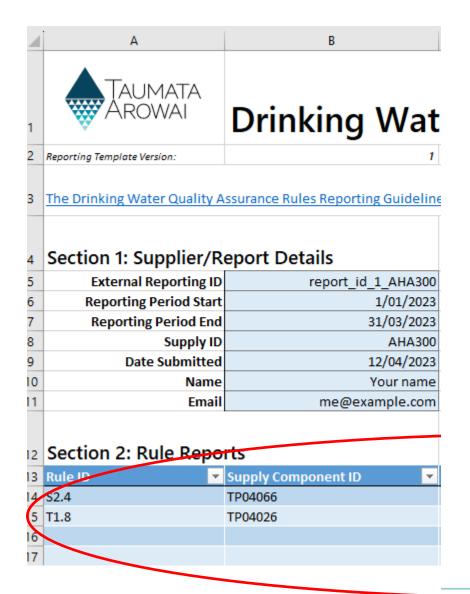


Field hierarchy description

#### Example report against Rule T1.8

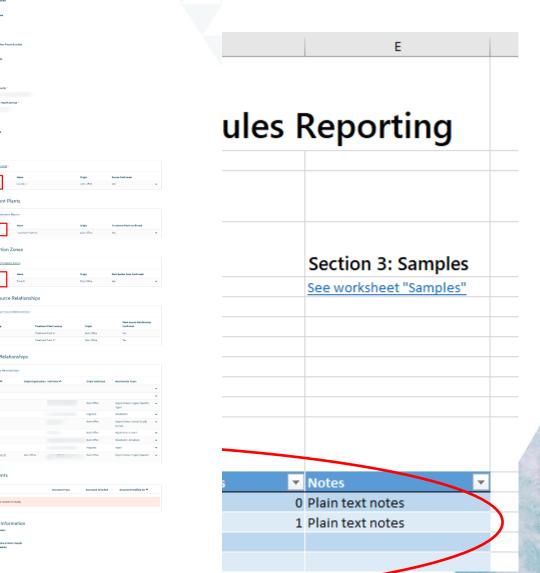


### How to report: Exce







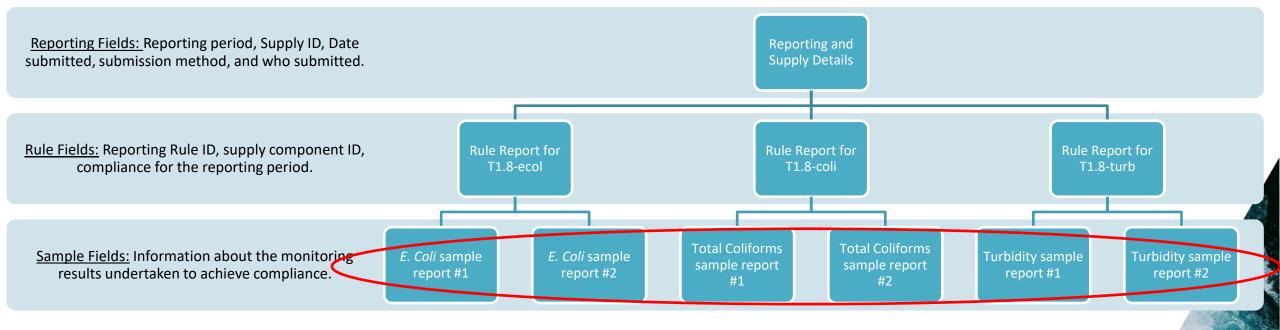


### What is reported?



Field hierarchy description

#### Example report against Rule T1.8







Α	В	С	D E	F	G H	1	J K	
Rule ID 🔻	Supply component ID	▼ External Sample ID	▼ Sample Date ▼ Parameter/Determ	ninand 🔻 Value Prefix 💌 Value	e 🔻 Unit 🔻 Co	omplies With Rule 💌 Source (	Class V Notes	
T1.8-coli	TP0001	Test0001	5/01/2023	<	1 MPN/100mL	TRUE		
T1.8-ecol	TP0001	Test0002	5/01/2023	<	1 MPN/100mL	TRUE		
D1.1-coli	TP0001	Test0003	10/03/2023	<	1 MPN/100mL	TRUE		
D1.1-ecol	TP0001	Test0004	10/03/2023	<	1 MPN/100mL	TRUE		
T1.8-coli	TP0001	Test0005	11/04/2023	<	1 MPN/100mL	TRUE		
T1.8-ecol	TP0001	Test0006	11/04/2023	<	1 MPN/100mL	TRUE		
T1.8-turb	TP0001	Test0007	11/04/2023	=	0.5 NTU	TRUE		
D1.1-coli	TP0001	Test0008	5/05/2023	=	50 MPN/100mL	TRUE	see NOT-0000001	
D1.1-ecol	TP0001	Test0009	5/05/2023	=	10 MPN/100mL	FALSE	see NOT-0000001	
D1.1-coli	TP0001	Test0010	7/05/2023	<	1 MPN/100mL	TRUE	see NOT-0000001	
D1.1-ecol		Test0011	7/05/2023	<	1 MPN/100mL	TRUE	see NOT-00000001	
D1 1-coli	TP0001	Test0012	8/05/2023	<	1 MPN/100mL	TRUE	see NOT-00000001	
D1.1-ecol	TP0001	Test0013	8/05/2023	<	1 MPN/100mL	TRUE	see NOT-00000001	
D1.1-coli		Test0012	9/05/2023	<	1 MPN/100mL	TRUE	see NOT-00000001	
D1.1-ecol	TP0001	Test0013	9/05/2023	<	1 MPN/100mL	TRUE	see NOT 26000001	
						·	·	



### **Example: 6-monthly report by Level 1 Supply**

### Section 2: Rule Reports

Rule ID	Supply Component ID	Complies With Rule	Non-Compliant Periods	Notes
T1.8-coli	TP0001	TRUE		
T1.8-ecol	TP0001	TRUF		n
T1.8-turb	TP0001	FALSE		Sample missed in first compliance period (Jan-March 2023)
D1.1-coli	TP0001	TRUE		
D1.1-ecol	TP0001	TRUE		

### Samples

Rule ID	Supply Component ID	External Sample ID	Sample Date	Parameter/Determinand	Value Prefix	Value Unit	<b>Complies With Rule</b>	Source Class	Notes
T1.8-coli	TP0001	Test0001	5/01/2023	3	<	1 MPN/100mL	TRUE		
T1.8-ecol	TP0001	Test0002	5/01/2023	3	<	1MPN/100mL	TRUE		
D1.1-coli	TP0001	Test0003	10/03/2023	3	<	1 MPN/100mL	TRUE		
D1.1-ecol	TP0001	Test0004	10/03/2023	3	<	1MPN/100mL	TRUE		
T1.8-coli	TP0001	Test0005	11/04/2023	3	<	1 MPN/100mL	TRUE		
T1.8-ecol	TP0001	Test0006	11/04/2023	3	<	1MPN/100mL	TRUE		
T1.8-turb	TP0001	Test0007	11/04/2023	3	=	0.5 NTU	TRUE		
D1.1-coli	TP0001	Test0008	5/05/2023			50 MPN/100ml	TRUE		see NOT-00000001
D1.1-ecol	TP0001	Test0009	5/05/2023	3	=	10 MPN/100 NL	FALSE		see NOT-00000001
D1.1-coli	TP0001	Test0010	7/05/2023	3	<	1MPN/100mL	TRUE		see NOT-00000001
D1.1-ecol	TP0001	Test0011	7/05/2023	3	<	1 MPN/100mL	TRUE		see NOT-00000001
D1.1-coli	TP0001	Test0012	8/05/2023	3	<	1MPN/100mL	TRUE		see NOT-00000001
D1.1-ecol	TP0001	Test0013	8/05/2023	3	<	1 MPN/100mL	TRUE		see NOT-00000001
D1.1-coli	TP0001	Test0012	9/05/2023	3	<	1MPN/100mL	TRUE		see NOT-00000001
D1.1-ecol	TP0001	Test0013	9/05/2023		<	1MPN/100mL	TRUE		see NOT-00000001

### Other ways to report (via API)



- Hinekōrako Reporting (lutra.com)
- TaumataArowaiExport.pdf (wateroutlook.com)
- Others?



### Report Outputs

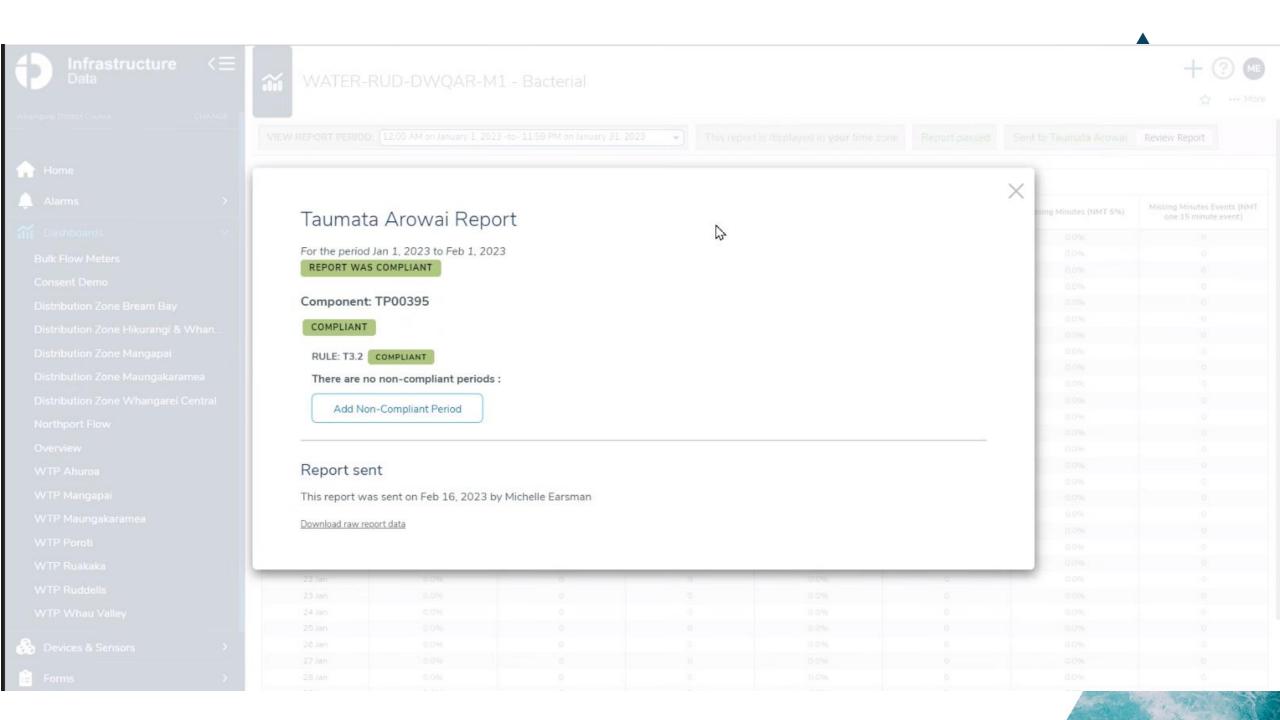


#### Report Outputs - Taumata Arowai Demo

The list below shows all outputs that have been added to this report. Use the button at the bottom of the page to add a new output.

Sheet Name Suffix	Туре	Status		
T3 - Monthly	Taumata Arowai	<b>9</b> OK	Run	Results
			Exports	Failures

Add Output Back



For details regarding the pilot, training webinars, API specification, or for any other queries please contact info@taumataarowai.govt.nz.

#### Report via API

Suppliers who use monitoring and assurance software may be able to automatically report to Taumata Arowai via a web-based API (Application Programming Interface), using an API Key. Instructions for reporting via API are available for:

- Infrastructure Data
- WaterOutlook

If you use different software which you would like to report from, please contact info@taumataarowai.govt.nz.

Click to generate API Key

Warning: Generating a new key will invalidate the existing key (if any). You need to copy the generated key immediately. Once you navigate away from this page, you will not be able to retrieve it again, and will only be able to generate a new key.

#### Report via Excel File

You can report to Taumata Arowai in accordance with the Drinking Water Quality Assurance Rules by filling out this Excel Template.

The Excel template can be uploaded below.

Report via Excel File

### Reporting Log

ID	Date Submitted *	Supply	Source System	Report Author	Submitted By	Message	Status Reason
ROS-00001100	08/03/2023 12:12	PIV03			Vignesh Makkada		Processing
ROS-00001099	08/03/2023 11:56	PIV03	API	Mark Homenuke	Vignesh Makkada		Submitted Successfully
ROS-00001098	08/03/2023 11:08	PIV03	API	Mark Homenuke	Vignesh Makkada		Submitted Successfully
ROS-00001092	08/03/2023 09:30	PIV03	API	Mark Homenuke	Vignesh Makkada		Submitted Successfully
ROS-00001091	08/03/2023 09:19	PIV03	API	Mark Homenuke	Vignesh Makkada		Submitted

### Diving into the detail

### **Rule Summary List**



- Essentially a summary of requirements for reporting on each Reporting Rule ID
- **ID** Reportir
  - Example
- Rule Module
  - Example
- Rule Numbe

Example

**Rule Summary List** 

The Rule Summary List (.csv) contains the following detail for each Reporting Rule ID:

Column	Definition
ID	The Reporting Rule ID (e.g. T1.8-ecol), referred to in API and Excel error messages as the 'Rule ID'. Note these may differ from the Rule Number where there is more than one reporting requirement for a rule.
Rule Module	The Rule Module for this Reporting Rule ID (e.g. T1)

Level

4	Α	В	С	D	Е	F	G	Н	1	J	K	L	M	N	О	Р	Q	R	S
1	ID	Rule Modu	Rule Numl	Level	Parameter	Туре	Log	Compliand	Reporting	Report Tin	Sampling	Duration E	Determina	Unit Chec	Sample R	e Report Su	Minimum	Rule Applie	es
2	G1	G	G1	0		Assurance	N/A	Annually	Annually	40 Workin	N/A	N/A	0	0	1	1		S1,T1,D1	
3	G2	G	G2	0		Assurance	N/A	Annually	Annually	40 Workin	N/A	N/A	0	0	1	1		S2,T2,D2	
4	G3	G	G3	0		Assurance	N/A	Annually	Annually	40 Workin	N/A	N/A	0	0	1	. 1		S3,T3,D3	
5	G4	G	G4	0		Assurance	N/A	Annually	Annually	40 Workin	N/A	N/A	0	0	1	. 1		\$1,\$2,\$3,T1	1,T2,T3,D
6	G5	G	G5	0		Assurance	N/A	Annually	Annually	40 Workin	N/A	N/A	0	0	1	. 1		S2,T2,D2,S	3,T3,D3

- Example: monitoring, continuous monitoring, or assurance
- Log The log removal credits associated with level 3 protozoal rules
  - Examples: 0, 2, 2.5, 3, etc. (Blank if not applicable)

### Rule Summary List (cont.)



- Compliance Period period against which a Reporting Rule ID must be assessed by a supplier
  - Example: 1 Day, 1 Month, 3 Months, 1 Year, Event Based, N/A if not applicable
- Reporting Period the frequency at which a Reporting Rule ID must be reported at
  - Example: Monthly, 3 Months, 6 Months, 1 Year, Not reported
- Report Timeframe a supplier must report within this many working days from a reporting period ending
  - Example: 10 Working Days, 20 Working Days, 40 Working Days, N/A if not applicable
- Sampling Frequency the minimum number of samples required by the Rules
- Duration Between Samples see Rule Clarification web page for explanation,
  - Example: 12 hours, At least 5 Months, etc.

### Rule Summary List – sample checking



Recall: ID – Reporting Rule ID

Example: T1.8-ecol

Recall: Parameter Determinand ID

Example: "ecol" for E. coli (See official list; blank if not applicable)

#### Determinand Check

- "0" means no check will be implemented
- "1" means the parameter\_determinand field of any samples reported under this Reporting Rule ID must be blank (because the Parameter Determinand ID already dictates what should be reported)
- "2" means the parameter\_determinand field of any samples reported under this Reporting Rule ID must be filled in (Example: D1.1-chem)

#### Unit Check

- "0" means no check will be implemented
- "1" means the unit submitted must match an acceptable unit for the parameter/determinand this Reporting Rule ID represents

### **Parameter Determinand List**



- A list of all parameter and determinands in the Rules, the Standards, and the Aesthetic Values
- ID Parameter Datamain and ID a a local

Value Pref M

• **Title** – The param

1,2-dibron Determina <= 1,2-dibron Determina <=

1,2-dichlor Determina <= 1,2-dichlor Determina <=

1,2-dichlo Determina <= 1,2-dichlo Determina <= 1,3-dichlo Determina <= 1,4-dichlo Determina <= 1,4-dioxan Determina <=

6

11

#### Parameter/Determinand list

#### This list contains:

- all parameters and determinands referenced in the Rules and Drinking Water Standards.
- MAV limits with unit requirements.
- Aesthetic Value limits (min and max, where applicable) and units for aesthetic values.
- Notes and sources along with links to those sources are given.

The Parameters and Determinands (.csv) contains the following detail on Parameters and Determinands:

Column	Definition
ID	A two to four character lower case identifier for each of the parameters and determinands that are reported under the Rules. They are utilised in the Reporting Rule IDs after a hyphen as the following examples illustrate:
	T3.1-fac S3.3-anti VSC 1-ecol

#### cument, e.g.,

Р	Q	R	S	Т	U
egulation	/public/20	22/0168/la	test/whole	.html#LMS	698039
egulation	/public/20	22/0168/la	test/whole	.html#LMS	698039
egulation	/public/20	22/0168/la	test/whole	.html#LMS	698039
egulation	/public/20	22/0168/la	test/whole	.html#LMS	698039
egulation	/public/20	22/0168/la	test/whole	.html#LMS	698039
egulation	/public/20	22/0168/la	test/whole	.html#LMS	698039
_			test/whole		
egulation	/public/20	22/0168/la	test/whole	.html#LMS	698039
egulation	/public/20	22/0168/la	test/whole	.html#LMS	698039
egulation	/public/20	22/0168/la	test/whole	.html#LMS	698039

Units – Acceptable

Determina <=

- Description As a substitution of the second sec
- Notes Any notes relating to the parameter or determinand in the associated source document
- Source The title of the publication which is the source of the values for this parameter or determinand
- Link Web link to source publication indicated by the source column

### Rule Summary List - Report/Sample Checking



Recall: ID – Reporting Rule ID

Example: T1.8-ecol

#### Sample Reporting

- "1" means no samples expected
- "2" means samples expected
- "3" means samples may be submitted
- "Rule Number", for example, if field is equal to "T2.1" means samples should not be reported against
  the Reporting Rule ID, but rather against the given Rule Number and relevant Reporting Rule ID under
  that Rule Number
- Blank if not reported AND no samples expected

#### Report Supply Level

- "0" means must be reported against applicable supply components
- "1" means report against the whole supply
- Minimum Buildings See footnote 23 and 42
- Rule Applies The rule modules which the Reporting Rule ID applies too. This is <u>VERY</u> useful field.

### **Summary**



- Read the reporting guidelines
- Data quality and checks
- Constructive feedback encouraged, welcomed, and expected



### Pātai?

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Use the webinar chat function for general questions on reporting

Email specific questions and feedback through to <a href="mailto:info@taumataarowai.govt.nz">info@taumataarowai.govt.nz</a>