

DRAFT Drinking Water Quality Assurance Rules Reporting Guidelines



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1. Overview and purpose of this document

This document is a proposed draft for targeted engagement.

The Drinking Water Quality Assurance Rules (DWQAR) set requirements for drinking water suppliers to conduct monitoring and reporting activities in relation to drinking water supplies. The DWQAR come into effect on 14 November 2022. We expect reporting to commence from 1 January 2023.

These guidelines are initially targeted toward suppliers operating supplies serving over 100 people who will begin reporting from February 2023. Taumata Arowai intends to provide further guidance for smaller suppliers and these guidelines will be refined over time.

This document describes how reporting should be conducted. It also proposes technology requirements for reporting. This document should be read in conjunction with the DWQAR, which prevail over this document in the event of any conflict.

This document aims to give drinking water suppliers clarity on what data they need to report and how they can report it.

2. Guidelines

These DWQAR Reporting Guidelines provide guidance to suppliers as to what information they must report to Taumata Arowai under the DWQAR. This is a limited subset of the overall monitoring data collected by suppliers in connection with their monitoring obligations, their assurance activities, and their overall obligation to provide safe drinking water.

The reporting requirements in the DWQAR are independent of the broader powers of Taumata Arowai to seek information from suppliers under the Water Services Act 2021.

Reporting requirements are set out in the General (G) Rules in the DWQAR. Reporting requirements are determined by the Rule modules that drinking water suppliers must demonstrate compliance against. The DWQAR dictate which rule modules apply to particular supplies.

There are three kinds of rules to be aware of:

1. Monitoring rules which are sample based.
2. Monitoring rules which require continuous or on-line monitoring equipment (Continuous Monitoring).
3. Assurance rules which require reporting on particular activities.

Generally speaking (rule G4), reporting on all rules (assurance and monitoring) is conducted annually, however a small subset of rules require reporting at more regular intervals over shorter timeframes, specifically:

1. For level 1 supplier monitoring rules, rule G1 and table 3.
2. For level 2 supplier monitoring rules, rule G2 and table 4.
3. For level 3 supplier monitoring rules, rule G3 and tables 5, 6 and 7.

3. Rule modules for types of supplies

This document sets out the reporting requirements on a rule-by-rule basis. It is organised around the rule modules as set out in the DWQAR, being:

1. **Very Small Communities Module (VSC)** – includes microbiological monitoring requirements only, for supplies with a base population of 25 or fewer people.
2. **Source Water Modules (S1, S2, S3)** – three complexity levels dependant on the size of the supply (26-100 people, 101-500 people, more than 500 people), covering rules for source water sampling.
3. **Treatment System Modules (T1, T2, T3)** – three complexity levels dependant on the size of the supply, covering rules for bacterial compliance, protozoal compliance, chemical compliance and cyanotoxin compliance.
4. **Distribution System Modules (D1, D2, D3)** – three complexity levels dependant on the size of the supply, covering rules for backflow prevention, preventing recontamination of stored water, hygiene practices for maintenance and upgrades, monitoring FAC, disinfection by-products and microbial water quality.
5. **Water Carrier Services Module (WC)** – including Rules which cover the transport of drinking water.
6. **Varying Population Module (VP)** – covers additional monitoring requirements that must be met when the usual base population of a drinking water supply increases for limited periods of time.
7. **Temporary Drinking Water Supplies Module (TDWS)** – including Rules for source water testing, treatment and monitoring requirements.

4. When to report data

All supplies need to begin monitoring according to the Drinking Water Quality Assurance Rules from 1 January 2023.

Supplies following level 3 modules (serving >500 people) will have monthly reports due to Taumata Arowai from February 2023.

Supplies following level 2 modules (serving 101 - 500 people) will have quarterly reports due to Taumata Arowai from April 2023.

Supplies following level 1 modules (serving 26 - 100 people) will have 6-monthly reports due to Taumata Arowai from July 2023.

Supplies following the Very Small Communities modules (serving up to 25 people) will only have annual reports due to Taumata Arowai from January 2024.

For more details, please refer to the Drinking Water Quality Assurance Rules.

5. How to report data

All reporting should be conducted through Hinekōrako, the online regulatory and intelligence system, which combines a self-service portal, the public register of drinking water supplies, registration management, with ongoing reporting from suppliers.

In future you will be able to access this information via the Reporting page in Hinekōrako. There are two options for reporting data to Taumata Arowai.

Data Reporting Options

Via Excel template upload

Suppliers will be able to fill in an Excel template which they can upload through Hinekōrako.

Please refer to the companion file titled *“DWQAR-Report-Template - DRAFT.xlsx”* which shows a draft of this template.

Via API

Suppliers who use monitoring and assurance software may be able automatically report to Taumata Arowai via a web-based API (Application Programming Interface).

Authentication will be proved through an API Key. Further details on access and endpoints will be added to this document as they are designed. For an example of the data format for the API, please refer to the companion file titled *“sample-report-structure.json”*

Please contact your monitoring and assurance software provider to understand if they can support this option.

Via Webform in Hinekōrako

Later in 2023, a web form may be developed to allow reporting data to be entered in Hinekōrako, particularly for supplies following the Very Small Communities module, which only will only report E. coli and Total Coliforms annually.

Data Structure

To ensure data quality and reliability, there is a data structure of core fields.

Reporting is by supply, rule, then sample. For each reporting period, each supply will require a report. Each report can include multiple rules. Each rule report can include multiple samples if appropriate (Continuous Monitoring rules do not require Samples to be reported).

This data structure summarised below, but can also be reviewed in both *“DWQAR-Report-Template - DRAFT.xlsx”*, or (for the API only) *“sample-report-structure.json”*.

Reporting Fields

Field Name	Example	Description
external_report_id	“your report id here”	The ID of the report in the suppliers’ systems
reporting_period_start	“2023-01-01”	The reporting period start date
reporting_period_end	“2023-12-31”	The reporting period end date
reporting_key	“Unique key”	Unique key issued via Hinekōrako portal
supply_code	“AHA300”	The Hinekōrako code of the Supplier
date_submitted	“2024-01-30”	The date the report was submitted
rules	[List of rules]	The rules being reported against

Rule Fields

Field Name	Example	Description
rule_id	“T1.8”	The rule identifier if appropriate
supply_component_code	“TP04026”	The Hinekōrako code of the supply component
complies_with_rule	true	Statement of compliance
non_compliant_periods	3	The number of non-compliant periods
notes	“plain text notes”	Notes around compliance failures
samples	[List of samples]	An optional array of samples if appropriate

Sample Fields

Suppliers submitting reports for continuous monitoring rules are not required to submit sample data when reporting on their compliance with those rules.

Field Name	Example	Description
external_sample_id	“your sample id here”	An optional identifier for the sample
sample_date	“2023-02-20”	The date the sample was taken
parameter_determinand	“Ecoli”	An optional description of the determinand being sampled. This is necessary for some rules.
value_prefix	“>”	
value	999	The sample value as measured by a lab
unit	“mg/L”	The unit of the sample value
complies_with_rule	true	Is the sample considered compliant
source_class	“Class 1”	Required only when reporting against S3 rules, valid values are “Class 1”, “Class 2”, “Class 3” and null
notes	“plain text notes”	An optional set of notes associated with the sample

A tabulated view of the reporting requirements is set out in the Appendix and are also recorded in “DWQAR Summary List - DRAFT.xlsx”.

Appendix – Drinking Water Quality Assurance Rules Summary List

This Appendix provides a structured list of the Drinking Water Quality Assurance Rules (DWQAR) and can be found in Excel format in the companion file titled “DWQAR Summary List - DRAFT.xlsx”. The DWQAR will prevail over this document in the event of any conflict

VSC – Very Small Communities Module

Rule ID	Type	Determinand	Sampling Frequency	Duration between samples	Compliance period	Reporting period	Report Timeframe
VSC.1	Monitoring		Every 6 Months	At least 5 Months	Annually	Annually	40 Working Days
VSC.1-ecol	Monitoring	E. coli	Every 6 Months	At least 5 Months	Annually	Annually	40 Working Days
VSC.1-coli	Monitoring	Total Coliforms	Every 6 Months	At least 5 Months	Annually	Annually	40 Working Days

G – General Module

Rule ID	Type	Sampling Frequency	Compliance period	Reporting period	Report Timeframe
G1	Monitoring	N/A	Varies	Varies	Varies
G2	Monitoring	N/A	Varies	Varies	Varies
G3	Monitoring	N/A	Varies	Varies	Varies
G4	Monitoring	N/A	Varies	Varies	Varies
G5	Assurance	N/A	Annually	Annually	40 Working Days
G6	Assurance	N/A	Annually	Annually	40 Working Days
G7	Assurance	N/A	Annually	Annually	40 Working Days
G8	Assurance	N/A	Annually	Annually	40 Working Days
G9	Assurance	N/A	Annually	Annually	40 Working Days
G10	Assurance	N/A	Annually	Annually	40 Working Days
G11	Assurance	N/A	Annually	Annually	40 Working Days
G12	Assurance	N/A	Annually	Annually	40 Working Days
G13	Assurance	N/A	Annually	Annually	40 Working Days
G14	Assurance	N/A	Annually	Annually	40 Working Days

G15	Assurance	N/A	Annually	Annually	40 Working Days
G16	Assurance	N/A	Annually	Annually	40 Working Days
G17	Monitoring	Every 30 Minutes (Minimum)	N/A	Annually	40 Working Days

S1 – Source Water Module 1 (26-100 People)

Rule ID	Type	Determinand	Group	Sampling Frequency	Reporting period	Report Timeframe
S1.1	Monitoring			Varies	Annually	40 Working Days
S1.1-ecol	Monitoring	E. coli	Bacterial	Every 3 Months	Annually	40 Working Days
S1.1-coli	Monitoring	Total coliforms	Bacterial	Every 3 Months	Annually	40 Working Days
S1.1-arse	Monitoring	Arsenic	Chemical	Every 3 Years	Annually	40 Working Days
S1.1-boro	Monitoring	Boron	Chemical	Every 3 Years	Annually	40 Working Days
S1.1-nitr	Monitoring	Nitrate	Chemical	Every 3 Years	Annually	40 Working Days
S1.1-iron	Monitoring	Iron	Chemical	Every 3 Years	Annually	40 Working Days
S1.1-mang	Monitoring	Manganese	Chemical	Every 3 Years	Annually	40 Working Days
S1.2	Monitoring			Varies	Annually	40 Working Days
S1.2-ecol	Monitoring	E. coli	Bacterial	Every 3 Months	Annually	40 Working Days
S1.2-coli	Monitoring	Total Coliforms	Bacterial	Every 3 Months	Annually	40 Working Days
S1.2-cadm	Monitoring	Cadmium	Chemical	Every 3 Years	Annually	40 Working Days
S1.2-copp	Monitoring	Copper	Chemical	Every 3 Years	Annually	40 Working Days
S1.2-zinc	Monitoring	Zinc	Chemical	Every 3 Years	Annually	40 Working Days
S1.2-lead	Monitoring	Lead	Chemical	Every 3 Years	Annually	40 Working Days
S1.2-benz	Monitoring	Benzo [a] pyrene (collected in winter – June, July, or August).	Chemical	Every 3 Years	Annually	40 Working Days

T1 – Treatment System Module 1 (26-100 People)

Rule ID	Type	Determinand	Sampling Frequency	Compliance period	Reporting period	Report Timeframe
T1.8	Monitoring		Every 3 Months	3 Months	6 Months	20 Working Days
T1.8-ecol	Monitoring	E. coli	Every 3 Months	3 Months	6 Months	20 Working Days
T1.8-coli	Monitoring	Total Coliforms	Every 3 Months	3 Months	6 Months	20 Working Days
T1.8-turb	Monitoring	Turbidity	Every 3 Months	3 Months	6 Months	20 Working Days

D1 – Distribution System Module 1 (26-100 People)

Rule ID	Type	Determinand	Sampling Frequency	Compliance period	Reporting period	Report Timeframe
D1.1	Monitoring		Every 3 Months	3 Months	6 Months	20 Working Days
D1.1-ecol	Monitoring	E. coli	Every 3 Months	3 Months	6 Months	20 Working Days
D1.1-coli	Monitoring	Total Coliforms	Every 3 Months	3 Months	6 Months	20 Working Days

S2 – Source Water Module 2 (101-500 People)

Rule ID	Type	Determinand	Group	Sampling Frequency	Compliance period	Reporting period	Report Timeframe
S2.1	Monitoring			Varies	N/A	Annually	40 Working Days
S2.1-ecol	Monitoring	E. coli	Bacterial	Monthly	N/A	Annually	40 Working Days
S2.1-coli	Monitoring	Total Coliforms	Bacterial	Monthly	N/A	Annually	40 Working Days
S2.1-ph	Monitoring	pH	Physico-chemical	Every 6 Months	N/A	Annually	40 Working Days
S2.1-turb	Monitoring	Turbidity	Physico-chemical	Every 6 Months	N/A	Annually	40 Working Days
S2.1-iron	Monitoring	Iron	Physico-chemical	Annually	N/A	Annually	40 Working Days
S2.1-mang	Monitoring	Manganese	Physico-chemical	Annually	N/A	Annually	40 Working Days
S2.1-nitr	Monitoring	Nitrate	Physico-chemical	Annually	N/A	Annually	40 Working Days
S2.1-arse	Monitoring	Arsenic	Physico-chemical	Every 3 Years	N/A	Annually	40 Working Days
S2.1-boro	Monitoring	Boron	Physico-chemical	Every 3 Years	N/A	Annually	40 Working Days
S2.2	Monitoring			Varies	N/A	Annually	40 Working Days
S2.2-ecol	Monitoring	E. coli		Monthly	N/A	Annually	40 Working Days
S2.2-coli	Monitoring	Total Coliforms		Monthly	N/A	Annually	40 Working Days
S2.2-cadm	Monitoring	Cadmium		Every 3 Years	N/A	Annually	40 Working Days
S2.2-copp	Monitoring	Copper		Every 3 Years	N/A	Annually	40 Working Days
S2.2-zinc	Monitoring	Zinc		Every 3 Years	N/A	Annually	40 Working Days
S2.2-lead	Monitoring	Lead		Every 3 Years	N/A	Annually	40 Working Days
S2.2-benz	Monitoring	Benzo [a] pyrene (In winter – June, July, or August).		Every 3 Years	N/A	Annually	40 Working Days
S2.3	Monitoring			Additional	N/A	Annually	40 Working Days
S2.4	Assurance			N/A	Annually	Annually	40 Working Days
S2.5	Assurance			N/A	Annually	Annually	40 Working Days
S2.6	Monitoring			N/A	Monthly	Annually	40 Working Days
S2.7	Assurance			N/A	Annually	Annually	40 Working Days

T2 – Treatment System Module 2 (101-500 People)

Treatment Monitoring Rules

Rule ID	Type	Determinand	Sampling Frequency	Duration between samples	Compliance period	Reporting period	Report Timeframe
T2.1	Monitoring		Varies	Varies	Varies	Annually	40 Working Days
T2.1-turb	Monitoring	Turbidity (of water leaving the treatment plant)	2 per Week	At least 2 Days	Monthly	Annually	40 Working Days
T2.1-uviu	Monitoring	UVI or UV dose (at the reactor)	2 per Week	At least 2 Days	Monthly	Annually	40 Working Days
T2.1-flow	Monitoring	Flow (at the reactor)	2 per Week	At least 2 Days	Monthly	Annually	40 Working Days
T2.1-fac	Monitoring	FAC (of water leaving the treatment plant)	2 per Week	At least 2 Days	Monthly	Annually	40 Working Days
T2.1-ph	Monitoring	pH (of water leaving the treatment plant)	2 per Week	At least 2 Days	Monthly	Annually	40 Working Days
T2.1-ecol	Monitoring	E. coli (in water leaving the treatment plant)	Monthly	At least 12 Days	Monthly	Annually	40 Working Days
T2.1-coli	Monitoring	Total Coliforms (in water leaving the treatment plant)	Monthly	At least 12 Days	Monthly	Annually	40 Working Days
T2.1-trea	Monitoring	Any chemical used in the treatment process (excluding FAC and Fluoride)	Monthly	At least 12 Days	Monthly	Annually	40 Working Days
T2.1-fluo	Monitoring	Fluoride (if added, in water leaving the treatment plant)	2 per Week	At least 2 Days	Monthly	Annually	40 Working Days
T2.1-uvt	Monitoring	UVT	Every 3 Months	At least 70 Days	Annually	Annually	40 Working Days

T2.1-chrt	Monitoring	Chlorate (if sodium hypochlorite is used, in water leaving the treatment plant)	Every 3 Months	At least 70 Days	Annually	Annually	40 Working Days
T2.2	Monitoring		Monthly	N/A	Monthly	3 Months	20 Working Days
T2.2-ecol	Monitoring	E. coli (in water leaving the treatment plant)	Monthly	N/A	Monthly	3 Months	20 Working Days
T2.2-coli	Monitoring	Total Coliforms (in water leaving the treatment plant)	Monthly	N/A	Monthly	3 Months	20 Working Days

Filtration Rules

Rule ID	Type	Sampling Frequency	Compliance period	Reporting period	Report Timeframe
T2.3	Assurance	N/A	Annually	Annually	40 Working Days
T2.4	Assurance	N/A	Annually	Annually	40 Working Days
T2.5	Assurance	N/A	Annually	Annually	40 Working Days
T2.6	Assurance	N/A	Annually	Annually	40 Working Days
T2.7	Assurance	N/A	Annually	Annually	40 Working Days
T2.8	Assurance	N/A	Annually	Annually	40 Working Days
T2.9	Monitoring	Not Specified	Monthly	3 Months	20 Working Days

UV Rules

Rule ID	Type	Sampling Frequency	Compliance period	Reporting period	Report Timeframe
T2.10	Assurance	N/A	Annually	Annually	40 Working Days
T2.11	Assurance	N/A	Annually	Annually	40 Working Days
T2.12	Monitoring	Not Specified	Monthly	Annually	40 Working Days
T2.13	Monitoring	Not Specified	Monthly	3 Months	20 Working Days
T2.14	Monitoring	Not Specified	Monthly	Annually	40 Working Days
T2.15	Assurance	N/A	Annually	Annually	40 Working Days
T2.16	Assurance	N/A	Annually	Annually	40 Working Days
T2.17	Assurance	N/A	Annually	Annually	40 Working Days

Chlorine Rules

Rule ID	Type	Sampling Frequency	Compliance period	Reporting period	Report Timeframe
T2.18	Monitoring	Not Specified	Monthly	3 Months	20 Working Days
T2.19	Monitoring	Not Specified	Monthly	3 Months	20 Working Days
T2.20	Monitoring	Not Specified	Monthly	Annually	40 Working Days
T2.21	Monitoring	Not Specified	Monthly	Annually	40 Working Days

Chemical Rules

Rule ID	Type	Sampling Frequency	Compliance period	Reporting period	Report Timeframe
T2.22	Monitoring	Not Specified	Monthly	Annually	40 Working Days
T2.23	Monitoring	Event Based	Event Based	Annually	40 Working Days
T2.24	Assurance	N/A	Annually	Annually	40 Working Days

Cyanotoxin Rules

Rule ID	Type	Compliance period	Reporting period	Report Timeframe
T2.25	Monitoring	Event Based	Annually	40 Working Days

D2 - Distribution System Module 2 (101-500 People)

Rule ID	Type	Determinand	Sampling Frequency	Duration between samples	Compliance period	Reporting period	Report Timeframe
D2.1	Monitoring		Varies	Varies	Varies	Varies	20 Working Days
D2.1-ecol	Monitoring	E. coli	Monthly	At least 12 Days	Monthly	3 Months	20 Working Days
D2.1-coli	Monitoring	Total Coliforms	Monthly	At least 12 Days	Monthly	3 Months	20 Working Days
D2.1-fac	Monitoring	FAC	2 per Week	At least 2 Days	Monthly	Annually	20 Working Days
D2.1-anti	Monitoring	Antimony	Annually	At least 150 Days	Annually	Annually	20 Working Days
D2.1-cadm	Monitoring	Cadmium	Annually	At least 150 Days	Annually	Annually	20 Working Days
D2.1-chro	Monitoring	Chromium	Annually	At least 150 Days	Annually	Annually	20 Working Days
D2.1-copp	Monitoring	Copper	Annually	At least 150 Days	Annually	Annually	20 Working Days
D2.1-lead	Monitoring	Lead	Annually	At least 150 Days	Annually	Annually	20 Working Days
D2.1-merc	Monitoring	Mercury	Annually	At least 150 Days	Annually	Annually	20 Working Days
D2.1-nick	Monitoring	Nickel	Annually	At least 150 Days	Annually	Annually	20 Working Days
D2.1-zinc	Monitoring	Zinc	Annually	At least 150 Days	Annually	Annually	20 Working Days
D2.2	Assurance		N/A	N/A	Annually	Annually	40 Working Days
D2.3	Assurance		N/A	N/A	Annually	Annually	40 Working Days
D2.4	Assurance		N/A	N/A	Annually	Annually	40 Working Days
D2.5	Monitoring	FAC	2 per Week	N/A	Monthly	3 Months	20 Working Days
D2.6	Assurance		N/A	N/A	Annually	Annually	40 Working Days
D2.7	Assurance		N/A	N/A	Annually	Annually	40 Working Days

S3 – Source Water Module 3 (>500 People)

Rule ID	Type	Determinand	Group	Sampling Frequency	Compliance period	Reporting period	Class	Report Timeframe
S3.1	Assurance			N/A	Annually	Annually	N/A	40 Working Days
S3.2	Assurance			N/A	Annually	Annually	N/A	40 Working Days
S3.3	Monitoring			Varies	N/A	Annually	N/A	40 Working Days
S3.3-ecol	Monitoring	E. coli	Bacteria	2 per Month	N/A	Annually	N/A	40 Working Days
S3.3-coli	Monitoring	Total Coliforms	Bacteria	2 per Month	N/A	Annually	N/A	40 Working Days
S3.3-iron	Monitoring	Iron	Physico-chemical	Monthly	N/A	Annually	N/A	40 Working Days
S3.3-mang	Monitoring	Manganese	Physico-chemical	Monthly	N/A	Annually	N/A	40 Working Days
S3.3-colo	Monitoring	Colour	Physico-chemical	Monthly	N/A	Annually	N/A	40 Working Days
S3.3-nitr	Monitoring	Nitrate	Physico-chemical	Monthly	N/A	Annually	N/A	40 Working Days
S3.3-alka	Monitoring	Alkalinity	Physico-chemical	Varies	N/A	Annually	N/A	40 Working Days
S3.3-anti	Monitoring	Antimony	Physico-chemical	Varies	N/A	Annually	N/A	40 Working Days
S3.3-arse	Monitoring	Arsenic	Physico-chemical	Varies	N/A	Annually	N/A	40 Working Days
S3.3-bari	Monitoring	Barium	Physico-chemical	Varies	N/A	Annually	N/A	40 Working Days
S3.3-cadm	Monitoring	Cadmium	Physico-chemical	Varies	N/A	Annually	N/A	40 Working Days
S3.3-calc	Monitoring	Calcium	Physico-chemical	Varies	N/A	Annually	N/A	40 Working Days
S3.3-chlo	Monitoring	Chloride	Physico-chemical	Varies	N/A	Annually	N/A	40 Working Days
S3.3-chro	Monitoring	Chromium	Physico-chemical	Varies	N/A	Annually	N/A	40 Working Days
S3.3-copp	Monitoring	Copper	Physico-chemical	Varies	N/A	Annually	N/A	40 Working Days
S3.3-lead	Monitoring	Lead	Physico-chemical	Varies	N/A	Annually	N/A	40 Working Days
S3.3-magn	Monitoring	Magnesium	Physico-chemical	Varies	N/A	Annually	N/A	40 Working Days
S3.3-merc	Monitoring	Mercury	Physico-chemical	Varies	N/A	Annually	N/A	40 Working Days
S3.3-nick	Monitoring	Nickel	Physico-chemical	Varies	N/A	Annually	N/A	40 Working Days
S3.3-sodi	Monitoring	Sodium	Physico-chemical	Varies	N/A	Annually	N/A	40 Working Days
S3.3-sulp	Monitoring	Sulphate	Physico-chemical	Varies	N/A	Annually	N/A	40 Working Days
S3.3-c1co	Monitoring	Conductivity		Varies	N/A	Annually	1	40 Working Days
S3.3-c1ph	Monitoring	pH		Varies	N/A	Annually	1	40 Working Days

S3.3-c1tu	Monitoring	Turbidity		Varies	N/A	Annually	1	40 Working Days
S3.3-cond	Monitoring	Conductivity		Continuous	N/A	Annually	2 3 4	40 Working Days
S3.3-ph	Monitoring	pH		Continuous	N/A	Annually	2 3 4	40 Working Days
S3.3-turb	Monitoring	Turbidity		Continuous	N/A	Annually	2 3 4	40 Working Days
S3.4	Monitoring			Every 10 Years	N/A	Annually	N/A	40 Working Days
S3.4-alph	Monitoring	Gross alpha activity	Radiological	Every 10 Years	N/A	Annually	N/A	40 Working Days
S3.4-beta	Monitoring	Gross beta activity	Radiological	Every 10 Years	N/A	Annually	N/A	40 Working Days
S3.4-pota	Monitoring	Potassium	Chemical	Every 10 Years	N/A	Annually	N/A	40 Working Days
S3.5	Monitoring			Event Based	N/A	Annually	N/A	40 Working Days
S3.6	Monitoring			Varies	Varies	Annually	N/A	40 Working Days
S3.7	Assurance			N/A	Annually	Annually	N/A	40 Working Days
S3.8	Assurance			N/A	Annually	Annually	N/A	40 Working Days
S3.9	Assurance			N/A	Annually	Annually	N/A	40 Working Days

T3 – Treatment System Module 3 (>500 People)

Bacterial Rules

Bacterial Rules for Water Disinfected with Chlorine

Rule ID	Type	Determinand	Sampling Frequency	Compliance period	Reporting period	Report Timeframe
T3.1	Monitoring		Continuous	1 Day	Annually	40 Working Days
T3.1-fac	Continuous Monitoring	FAC	Continuous	1 Day	Annually	40 Working Days
T3.1-ph	Continuous Monitoring	pH	Continuous	1 Day	Annually	40 Working Days
T3.1-turb	Continuous Monitoring	Turbidity	Continuous	1 Day	Annually	40 Working Days
T3.1-flow	Continuous Monitoring	Flow	Continuous	1 Day	Annually	40 Working Days
T3.1-leve	Continuous Monitoring	Water level in the contact tank (if used)	Continuous	1 Day	Annually	40 Working Days
T3.1-face	Continuous Monitoring	FACE	Continuous	1 Day	Annually	40 Working Days
T3.1-t10	Continuous Monitoring	T10 Contact Time	Continuous	1 Day	Annually	40 Working Days
T3.1-c.t	Continuous Monitoring	C.t	Continuous	1 Day	Annually	40 Working Days
T3.2	Monitoring		Continuous	1 Day	Monthly	10 Working Days
T3.3	Monitoring		Continuous	1 Day	Annually	40 Working Days
T3.4	Monitoring		Continuous	1 Day	Annually	40 Working Days

T3.5	Monitoring		Continuous	1 Day	Annually	40 Working Days
T3.6	Monitoring		Continuous	1 Day	Annually	40 Working Days

Bacterial Rules for Water Disinfected with Chlorine Dioxide

Rule ID	Type	Determinand	Sampling Frequency	Compliance period	Reporting period	Report Timeframe
T3.7	Monitoring		Continuous	1 Day	Annually	40 Working Days
T3.7-fac	Continuous Monitoring	FAC	Continuous	1 Day	Annually	40 Working Days
T3.7-ph	Continuous Monitoring	pH	Continuous	1 Day	Annually	40 Working Days
T3.7-turb	Continuous Monitoring	Turbidity	Continuous	1 Day	Annually	40 Working Days
T3.7-flow	Continuous Monitoring	Flow	Continuous	1 Day	Annually	40 Working Days
T3.7-leve	Continuous Monitoring	Water level in the contact tank (if used)	Continuous	1 Day	Annually	40 Working Days
T3.7-face	Continuous Monitoring	FACE	Continuous	1 Day	Annually	40 Working Days
T3.7-t10	Continuous Monitoring	T10 Contact Time	Continuous	1 Day	Annually	40 Working Days
T3.7-c.t	Continuous Monitoring	C.t	Continuous	1 Day	Annually	40 Working Days
T3.8	Monitoring		Continuous	1 Day	Monthly	10 Working Days
T3.9	Monitoring		Continuous	1 Day	Annually	40 Working Days
T3.10	Monitoring		Continuous	1 Day	Annually	40 Working Days
T3.11	Monitoring		Continuous	1 Day	Annually	40 Working Days

Bacterial Rules for Water Disinfected with Ozone

Rule ID	Type	Determinand	Sampling Frequency	Compliance period	Reporting period	Report Timeframe
T3.12	Monitoring		Continuous	1 Day	Annually	40 Working Days

T3.12-ozon	Continuous Monitoring	Ozone Residual	Continuous	1 Day	Annually	40 Working Days
T3.12-turb	Continuous Monitoring	Turbidity	Continuous	1 Day	Annually	40 Working Days
T3.12-flow	Continuous Monitoring	Flow	Continuous	1 Day	Annually	40 Working Days
T3.12-leve	Continuous Monitoring	Water level in the contact tank (if used)	Continuous	1 Day	Annually	40 Working Days
T3.12-t10	Continuous Monitoring	T10 Contact Time	Continuous	1 Day	Annually	40 Working Days
T3.12-c.t	Continuous Monitoring	C.t (Ozone x T10 Contact Time).	Continuous	1 Day	Annually	40 Working Days
T3.13	Monitoring		Continuous	1 Day	Monthly	10 Working Days
T3.14	Monitoring		Continuous	1 Day	Annually	40 Working Days

Bacterial Rules for Water Disinfected with Ultraviolet Light

Rule ID	Type	Determinand	Sampling Frequency	Compliance period	Reporting period	Report Timeframe
T3.15	Monitoring		Continuous	1 Day	Annually	40 Working Days
T3.15-uvt	Continuous Monitoring	UVT	Continuous	1 Day	Annually	40 Working Days
T3.15-turb	Continuous Monitoring	Turbidity	Continuous	1 Day	Annually	40 Working Days
T3.15-uvi	Continuous Monitoring	UVI or dose	Continuous	1 Day	Annually	40 Working Days
T3.15-flow	Continuous Monitoring	Flow	Continuous	1 Day	Annually	40 Working Days
T3.15-sens	Assurance		N/A	Monthly	Annually	40 Working Days
T3.15-red	Assurance		N/A	Annually	Annually	40 Working Days
T3.16	Monitoring		Continuous	1 Day	Annually	40 Working Days
T3.17	Monitoring		Continuous	1 Day	Monthly	10 Working Days
T3.18	Monitoring		Continuous	1 Day	Annually	40 Working Days
T3.19	Assurance		N/A	Annually	Annually	40 Working Days
T3.20	Assurance		N/A	Annually	Annually	40 Working Days
T3.21	Assurance		N/A	Annually	Annually	40 Working Days

Protozoal Rules

Rule ID	Type	Determinand	Sampling Frequency	Compliance period	Reporting period	Report Timeframe
T3.22	Assurance		N/A	Annually	Annually	40 Working Days

T3 Protozoal Rules for Coagulation, Flocculation and Sedimentation without Filtration [0.5-Log]

Rule ID	Type	Determinand	Sampling Frequency	Compliance period	Reporting period	Report Timeframe
T3.23	Assurance		N/A	Annually	Annually	40 Working Days
T3.24	Monitoring		Continuous	1 Day	Monthly	10 Working Days
T3.25	Monitoring		Continuous	1 Day	Annually	40 Working Days
T3.25-turb	Continuous Monitoring	Turbidity	Continuous	1 Day	Annually	40 Working Days

T3 Protozoal Rules for Coagulation, Flocculation, and Direct Filtration [2.5-Log]

Rule ID	Type	Determinand	Sampling Frequency	Compliance period	Reporting period	Report Timeframe
T3.26	Assurance		N/A	Annually	Annually	40 Working Days
T3.27	Monitoring		Continuous	1 Day	Monthly	10 Working Days
T3.28	Monitoring		Continuous	1 Day	Monthly	10 Working Days
T3.29	Assurance			Annually	Annually	40 Working Days
T3.29-turb	Continuous Monitoring	Turbidity	Continuous	1 Day	Annually	40 Working Days
T3.29-sers	Continuous Monitoring	Service State	Continuous	1 Day	Annually	40 Working Days

T3 Protozoal Rules for Coagulation, Flocculation, and Direct Filtration [3.0-Log]

Rule ID	Type	Determinand	Sampling Frequency	Compliance period	Reporting period	Report Timeframe
T3.30	Assurance		N/A	Annually	Annually	40 Working Days
T3.31	Monitoring		Continuous	1 Day	Monthly	10 Working Days
T3.32	Monitoring		Continuous	1 Day	Monthly	10 Working Days
T3.33	Assurance			Annually	Annually	40 Working Days
T3.33-turb	Continuous Monitoring	Turbidity	Continuous	1 Day	Annually	40 Working Days
T3.33-sers	Continuous Monitoring	Service State	Continuous	1 Day	Annually	40 Working Days

T3 Protozoal Rules for Coagulation, Flocculation, and Direct Filtration [3.5-Log]

Rule ID	Type	Determinand	Sampling Frequency	Compliance period	Reporting period	Report Timeframe
T3.34	Assurance		N/A	Annually	Annually	40 Working Days
T3.35	Monitoring		Continuous	1 Day	Monthly	10 Working Days
T3.36	Monitoring		Continuous	1 Day	Monthly	10 Working Days
T3.37	Monitoring		Continuous	1 Day	Annually	40 Working Days
T3.37-turb	Continuous Monitoring	Turbidity	Continuous	1 Day	Annually	40 Working Days
T3.37-sers	Continuous Monitoring	Service State	Continuous	1 Day	Annually	40 Working Days

T3 Protozoal Rules for Coagulation, Flocculation, Sedimentation, and Filtration [3-Log]

Rule ID	Type	Determinand	Sampling Frequency	Compliance period	Reporting period	Report Timeframe
T3.38	Assurance		N/A	Annually	Annually	40 Working Days
T3.39	Monitoring		Continuous	1 Day	Monthly	10 Working Days

T3.40	Monitoring		Continuous	1 Day	Monthly	10 Working Days
T3.41	Monitoring		Continuous	1 Day	Annually	40 Working Days
T3.41-turb	Continuous Monitoring	Turbidity	Continuous	1 Day	Annually	40 Working Days
T3.41-sers	Continuous Monitoring	Service State	Continuous	1 Day	Annually	40 Working Days

T3 Protozoal Rules for Coagulation, Flocculation, Sedimentation, and Filtration [3.5-Log]

Rule ID	Type	Determinand	Sampling Frequency	Compliance period	Reporting period	Report Timeframe
T3.42	Assurance		N/A	Annually	Annually	40 Working Days
T3.43	Monitoring		Continuous	1 Day	Monthly	10 Working Days
T3.44	Monitoring		Continuous	1 Day	Monthly	10 Working Days
T3.45	Monitoring		Continuous	1 Day	Annually	40 Working Days
T3.45-turb	Continuous Monitoring	Turbidity	Continuous	1 Day	Annually	40 Working Days
T3.45-sers	Continuous Monitoring	Service State	Continuous	1 Day	Annually	40 Working Days

T3 Protozoal Rules for Coagulation, Flocculation, Sedimentation, and Filtration [4-Log]

Rule ID	Type	Determinand	Sampling Frequency	Compliance period	Reporting period	Report Timeframe
T3.46	Assurance		N/A	Annually	Annually	40 Working Days
T3.46	Monitoring		Continuous	1 Day	Monthly	10 Working Days
T3.46	Monitoring		Continuous	1 Day	Monthly	10 Working Days
T3.46	Monitoring		Continuous	1 Day	Annually	40 Working Days
T3.49-turb	Continuous Monitoring	Turbidity	Continuous	1 Day	Annually	40 Working Days
T3.49-sers	Continuous Monitoring	Service State	Continuous	1 Day	Annually	40 Working Days

T3 Protozoal Rules for Second Stage Filtration [0.5-Log]

Rule ID	Type	Determinand	Sampling Frequency	Compliance period	Reporting period	Report Timeframe
T3.50	Assurance		N/A	Annually	Annually	40 Working Days
T3.51	Monitoring		Continuous	1 Day	Monthly	10 Working Days
T3.52	Monitoring		Continuous	1 Day	Monthly	10 Working Days
T3.53	Monitoring		Continuous	1 Day	Annually	40 Working Days
T3.53-turb	Continuous Monitoring	Turbidity	Continuous	1 Day	Annually	40 Working Days
T3.53-sers	Continuous Monitoring	Service State	Continuous	1 Day	Annually	40 Working Days

T3 Protozoal Rules for Slow Sand Filtration [2.5-Log]

Rule ID	Type	Determinand	Sampling Frequency	Compliance period	Reporting period	Report Timeframe
T3.54	Assurance		N/A	Annually	Annually	40 Working Days
T3.55	Assurance		N/A	Annually	Annually	40 Working Days
T3.56	Assurance		N/A	Annually	Annually	40 Working Days
T3.57	Assurance		N/A	Annually	Annually	40 Working Days
T3.58	Assurance		N/A	Annually	Annually	40 Working Days
T3.59	Monitoring		Continuous	1 Day	Annually	40 Working Days
T3.60	Monitoring		Continuous	1 Day	Monthly	10 Working Days
T3.61	Monitoring		Continuous	1 Day	Monthly	10 Working Days
T3.62	Monitoring		Continuous	1 Day	Annually	40 Working Days
T3.62-temp	Continuous Monitoring	Temperature	Continuous	1 Day	Annually	40 Working Days
T3.62-turb	Continuous Monitoring	Turbidity	Continuous	1 Day	Annually	40 Working Days
T3.62-flow	Continuous Monitoring	Flow	Continuous	1 Day	Annually	40 Working Days
T3.62-surf	Continuous Monitoring	Surface loading rate.	Continuous	1 Day	Annually	40 Working Days

T3 Protozoal Rules for Cartridge Filtration [2.0-Log]

Rule ID	Type	Determinand	Sampling Frequency	Compliance period	Reporting period	Report Timeframe
T3.63	Assurance		N/A	Annually	Annually	40 Working Days
T3.64	Assurance		N/A	Annually	Annually	40 Working Days
T3.65	Monitoring		Continuous	1 Day	Monthly	10 Working Days
T3.66	Monitoring		Continuous	1 Day	Monthly	10 Working Days
T3.67	Monitoring		Continuous	1 Day	Annually	40 Working Days
T3.68	Assurance		N/A	Annually	Annually	40 Working Days
T3.69	Assurance		N/A	Annually	Annually	40 Working Days
T3.70	Assurance		N/A	Annually	Annually	40 Working Days
T3.71	Assurance		N/A	Annually	Annually	40 Working Days
T3.72	Monitoring		Continuous	1 Day	Annually	40 Working Days
T3.72-turb	Continuous Monitoring	Turbidity	Continuous	1 Day	Annually	40 Working Days
T3.72-pres	Continuous Monitoring	Differential Pressure	Continuous	1 Day	Annually	40 Working Days
T3.72-flow	Continuous Monitoring	Flow	Continuous	1 Day	Annually	40 Working Days
T3.72-sers	Continuous Monitoring	Service State	Continuous	1 Day	Annually	40 Working Days
T3.72-cert	Assurance		N/A	Annually	Annually	40 Working Days

T3 Protozoal Rules for Membrane Filtration [up to 4.0-Log]

Rule ID	Type	Determinand	Sampling Frequency	Compliance period	Reporting period	Report Timeframe
T3.73	Assurance		N/A	Annually	Annually	40 Working Days
T3.74	Assurance		N/A	Annually	Annually	40 Working Days
T3.75	Assurance		N/A	Annually	Annually	40 Working Days

T3.76	Monitoring		Continuous	1 Day	Monthly	10 Working Days
T3.77	Monitoring		Continuous	1 Day	Monthly	10 Working Days
T3.78	Assurance		N/A	Annually	Annually	40 Working Days
T3.79	Monitoring		Continuous	1 Day	Annually	40 Working Days
T3.79-turb	Continuous Monitoring	Turbidity	Continuous	1 Day	Annually	40 Working Days
T3.79-sers	Continuous Monitoring	Service State (of membrane filtration)	Continuous	1 Day	Annually	40 Working Days
T3.79-memb	Monitoring	Membrane integrity	Non-Continuously Monitored	N/A	Annually	40 Working Days

T3 Protozoal Rules for Ozone Disinfection [0.25 to 3.0-Log]

Rule ID	Type	Determinand	Sampling Frequency	Compliance period	Reporting period	Report Timeframe
T3.80	Assurance		N/A	Annually	Annually	40 Working Days
T3.81	Monitoring	Water temperature (degrees celsius)	Continuous	1 Day	Monthly	10 Working Days
T3.82	Monitoring	Water temperature (degrees celsius)	Continuous	1 Day	Annually	40 Working Days
T3.83	Monitoring		Continuous	1 Day	Annually	40 Working Days
T3.84	Monitoring		Continuous	Annually	Annually	40 Working Days
T3.84-ozon	Continuous Monitoring	Ozone Residual	Continuous	1 Day	Annually	40 Working Days
T3.84-temp	Continuous Monitoring	Temperature	Continuous	1 Day	Annually	40 Working Days
T3.84-turb	Continuous Monitoring	Turbidity	Continuous	1 Day	Annually	40 Working Days
T3.84-flow	Continuous Monitoring	Flow	Continuous	1 Day	Annually	40 Working Days
T3.84-leve	Continuous Monitoring	Water level in the contact tank (if used)	Continuous	1 Day	Annually	40 Working Days
T3.84-t10	Continuous Monitoring	T10 Contact Time	Continuous	1 Day	Annually	40 Working Days
T3.84-c.t	Continuous Monitoring	C.t (Ozone x T10 Contact Time).	Continuous	1 Day	Annually	40 Working Days

T3 Protozoal Rules for Ultraviolet Light Disinfection [up to 4-Log as determined by the validation/certification of the reactor]

Rule ID	Type	Determinand	Sampling Frequency	Compliance period	Reporting period	Report Timeframe
T3.85	Assurance		N/A	Annually	Annually	40 Working Days
T3.86	Monitoring		Continuous	1 Day	Monthly	10 Working Days
T3.87	Monitoring		Continuous	1 Day	Annually	40 Working Days
T3.88	Monitoring		Continuous	1 Day	Annually	40 Working Days
T3.89	Monitoring		Continuous	1 Day	Annually	40 Working Days
T3.90	Monitoring		Continuous	1 Day	Annually	40 Working Days
T3.91	Monitoring		Continuous	1 Day	Annually	40 Working Days
T3.91-uvt	Continuous Monitoring	UVT	Continuous	1 Day	Annually	40 Working Days
T3.91-turb	Continuous Monitoring	Turbidity	Continuous	1 Day	Annually	40 Working Days
T3.91-uvi	Continuous Monitoring	UVI or UV dose	Continuous	1 Day	Annually	40 Working Days
T3.91-flow	Continuous Monitoring	Flow	Continuous	1 Day	Annually	40 Working Days
T3.91-uvis	Assurance	UVI sensor checking and standardisation	N/A	Monthly	Annually	40 Working Days
T3.91-uvc	Assurance	UV certification/validation	N/A	Annually	Annually	40 Working Days

Chemical Rules

Rule ID	Type	Determinand	Sampling Frequency	Duration between samples	Compliance period	Reporting period	Report Timeframe
T3.92	Assurance		N/A	N/A	Annually	Annually	40 Working Days
T3.93	Monitoring		N/A	Varies	Varies	Annually	40 Working Days
T3.93-stan	Monitoring		Annually (Minimum)	N/A	Annually	Annually	40 Working Days
T3.93-elev	Monitoring		Monthly (Minimum)	N/A	Monthly	Annually	40 Working Days
T3.93-chlo	Monitoring	Chlorate	Weekly (Minimum)	N/A	Monthly	Annually	40 Working Days
T3.93-fac	Continuous Monitoring	FAC	Continuous (Minimum)	N/A	Monthly	Annually	40 Working Days
T3.93-fluo	Continuous Monitoring	Fluoride	Continuous (Minimum)	N/A	Monthly	Annually	40 Working Days
T3.94	Assurance		N/A	N/A	Annually	Annually	40 Working Days
T3.95	Assurance		N/A	N/A	Annually	Annually	40 Working Days
T3.96	Monitoring		Event Based	N/A	Varies	Annually	40 Working Days

Cyanotoxin Rules

Rule ID	Type	Sampling Frequency	Compliance period	Reporting period	Report Timeframe
T3.97	Monitoring	Varies	Monthly	Annually	40 Working Days

D3 – Distribution System Module 3 (>500 People)

Backflow Protection Rules

Rule ID	Type	Compliance period	Reporting period	Report Timeframe
D3.1	Assurance	Annually	Annually	40 Working Days
D3.2	Assurance	Annually	Annually	40 Working Days
D3.3	Assurance	Annually	Annually	40 Working Days
D3.4	Assurance	Annually	Annually	40 Working Days
D3.5	Assurance	Annually	Annually	40 Working Days
D3.6	Assurance	Annually	Annually	40 Working Days

New and Repaired Watermains Hygiene Procedures Rules

Rule ID	Type	Compliance period	Reporting period	Report Timeframe
D3.7	Assurance	Annually	Annually	40 Working Days
D3.8	Assurance	Annually	Annually	40 Working Days
D3.9	Assurance	Annually	Annually	40 Working Days
D3.10	Assurance	Annually	Annually	40 Working Days
D3.11	Assurance	Annually	Annually	40 Working Days

Facilities Operation, Maintenance and Disinfection Rules

Rule ID	Type	Compliance period	Reporting period	Report Timeframe
D3.12	Assurance	Annually	Annually	40 Working Days
D3.13	Assurance	Annually	Annually	40 Working Days
D3.14	Assurance	Annually	Annually	40 Working Days
D3.15	Assurance	Annually	Annually	40 Working Days
D3.16	Assurance	Annually	Annually	40 Working Days

D3.17	Assurance	Annually	Annually	40 Working Days
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Residual Disinfection, Disinfection By-product, and Plumbosolvent Metal Rules

Rule ID	Type	Determinand	Sampling Frequency	Duration between samples	Compliance period	Reporting period	Report Timeframe
D3.18	Assurance		N/A	N/A	Annually	Annually	40 Working Days
D3.19	Monitoring		See Rule	N/A	Monthly	Monthly	10 Working Days
D3.20	Monitoring		Varies	Varies	Monthly	Annually	40 Working Days
D3.21	Assurance		N/A	N/A	Annually	Annually	40 Working Days
D3.22	Monitoring	Disinfection By-products	1 per Quarter	N/A	Annually	Annually	40 Working Days
D3.23	Assurance		N/A	N/A	Annually	Annually	40 Working Days
D3.24	Monitoring		Every 6 Months	N/A	Annually	Annually	40 Working Days
D3.24-anti	Monitoring	Antimony	Every 6 Months	N/A	Annually	Annually	40 Working Days
D3.24-cadm	Monitoring	Cadmium	Every 6 Months	N/A	Annually	Annually	40 Working Days
D3.24-chro	Monitoring	Chromium	Every 6 Months	N/A	Annually	Annually	40 Working Days
D3.24-copp	Monitoring	Copper	Every 6 Months	N/A	Annually	Annually	40 Working Days
D3.24-lead	Monitoring	Lead	Every 6 Months	N/A	Annually	Annually	40 Working Days
D3.24-merc	Monitoring	Mercury	Every 6 Months	N/A	Annually	Annually	40 Working Days
D3.24-nick	Monitoring	Nickel	Every 6 Months	N/A	Annually	Annually	40 Working Days
D3.24-zinc	Monitoring	Zinc	Every 6 Months	N/A	Annually	Annually	40 Working Days
D3.25	Monitoring		N/A	N/A	Annually	Annually	40 Working Days
D3.26	Assurance		Varies	N/A	Annually	Annually	40 Working Days
D3.27	Assurance		N/A	N/A	Annually	Annually	40 Working Days

Microbiological Monitoring Rules

Rule ID	Type	Sampling Frequency	Compliance period	Reporting period	Report Timeframe
D3.28	Assurance	N/A	Annually	Annually	40 Working Days
D3.29	Monitoring	Varies	Monthly	Monthly	10 Working Days
D3.30	Assurance	N/A	Annually	Annually	40 Working Days
D3.31	Assurance	N/A	Annually	Annually	40 Working Days

VP – Varying Population Module

Rule ID	Type	Determinand	Sampling Frequency	Duration between samples	Compliance period	Reporting period	Report Timeframe
VP.1	Monitoring		See Rule	See Rule	Monthly	Annually	40 Working Days
VP.2	Monitoring		See Rule	See Rule	Monthly	Annually	40 Working Days
VP.3	Monitoring		Varies	Varies	Varies	Annually	40 Working Days
VP.3-ttur	Monitoring	Turbidity (of water leaving the treatment plant)	Daily	12 Hours	1 Day	Annually	40 Working Days
VP.3-tfac	Monitoring	FAC (of water leaving the treatment plant)	Daily	12 Hours	1 Day	Annually	40 Working Days
VP.3-tph	Monitoring	pH (of water leaving the treatment plant)	Daily	12 Hours	1 Day	Annually	40 Working Days
VP.3-teco	Monitoring	E. coli (in water leaving the treatment plant)	Weekly	4 Days	Monthly	Annually	40 Working Days
VP.3-tcol	Monitoring	Total Coliforms (in water leaving the treatment plant)	Weekly	4 Days	Monthly	Annually	40 Working Days
VP.3-dfac	Monitoring	FAC	Daily	12 Hours	1 Day	Annually	40 Working Days
VP.3-deco	Monitoring	E. coli	Weekly	4 Days	Monthly	Annually	40 Working Days
VP.3-dcol	Monitoring	Total Coliforms	Weekly	4 Days	Monthly	Annually	40 Working Days