

Proposed changes to General rules

Where we propose a change to the rule type and reporting and compliance periods, we have made the **text red** to signify the change.

Existing Rule number	Existing requirement	Existing parameter	Proposed rule number	Proposed requirement	Proposed parameter	Explanation	Question	Cost implications
General rules module			G General Rules Module G.RR Reporting Rules					
G1	Drinking water suppliers following level 1 modules must report annually— (a) whether they complied with each monitoring rule requirement; and (b) the number of quarters for which each monitoring rule requirement was not complied with during each calendar year; and (c) the supply component ID, sample ID, sample date, and test results for all samples analysed by a laboratory during the year; and (d) within 40 working days of the end of each calendar year; and (e) in an approved form.	Assurance CP: 1 Year RP: 1 Year	G RR.1	Drinking water suppliers demonstrating compliance against level 1 monitoring rules modules must report annually— (a) the test results required under each monitoring rule; and (b) the supply component ID, sample ID, sample date and test results for each sample analysed by or on behalf of the supplier for compliance with these rules; and (c) where continuous monitoring has been used in place of grab sampling— (i) any determinand(s) that did not comply with the relevant rule; and (ii) the details of an non-compliance with the rule, including duration, time and date; and (d) within 40 working days of the end of each compliance year; and (e) in an approved form.	Non-reporting CP: N/A RP: N/A	This proposed rule change sets out new reporting requirements where supplies following Level 1 Rules (supplies that serve 25 – 100 people) have used continuous monitoring instead of grab sampling. We are proposing this change as an option as some suppliers have asked for continuous monitoring alternatives to be included as an option for supplies following Level 1 Rules. Reduction in requirements: To make reporting-related Rules easier to understand and follow for supplies (Level 1 Rules) this proposed change also: - simplifies the formatting and wording of the rule. - changes this rule type from an assurance rule to a non-reporting rule. This rule explains how reporting is done. However, the proposed RR.1 would not need to be reported on.	N/A	Small reduction in costs
G2.1	Drinking water suppliers following level 2 monitoring rules must report quarterly— (a) whether they complied with each monitoring rule requirement; and (b) the number of months for which each monitoring rule requirement was not complied with during each quarter; and (c) the supply component ID, sample ID, sample date, and test results for all samples analysed by a laboratory taken during the quarter; and (d) within 20 working days of the end of each quarter; and (e) in an approved form.	Assurance CP: 1 Year RP: 1 Year	G.RR.2	Drinking water suppliers demonstrating compliance against level 2 monitoring rules must report quarterly for rules with a one-month or three-month compliance periods and annually for rules with a one-year compliance periods— (a) whether the supply complied with each monitoring rule or not for the compliance period; and (b) the number of compliance periods that each rule was not complied with; and (c) the supply component ID, sample ID, sample date and test results for each sample analysed by or on behalf of the	Non-reporting CP: N/A RP: N/A	This proposed rule change sets out new reporting requirements where supplies following Level 2 Rules (for supplies that serve 101 – 500 people) have used continuous monitoring instead of grab sampling. We are proposing including this change as some suppliers have asked for continuous monitoring alternatives to be included as an option for supplies following Level 2 Rules. We do not expect there to be a significant increase in reporting where non-compliance with a rule is detected when using continuous monitoring. The proposed rule also changes this rule type from an assurance rule to a non-reporting rule. This rule explains how reporting is done. However, the	N/A	Neutral.

				supplier for compliance with these rules; and (d) where continuous monitoring has been used in place of grab sampling— (i) any determinand(s) that did not comply with the relevant rule; and (ii) the details of any non-compliance with the rule, including duration, time and date; and (e) within 20 working days of the end of each quarter for rules with a one-month or three-month compliance period; and (f) within 40 working days of the end of each year for rules with one-year compliance periods; and (g) in an approved form.		proposed G.RR.2 would not need to be reported on.		
G2.2	Drinking water suppliers following level 2 assurance rules must report annually— (a) whether they complied with each assurance rule during each calendar year; and (b) within 40 working days of the end of each calendar year; and (c) in an approved form.	Assurance CP: 1 Year RP: 1 Year	G.RR.3	Drinking water suppliers demonstrating compliance against level 2 assurance rules must report annually— (a) whether the supply complied with each assurance rule for the compliance year; and (b) within 40 working days of the end of each compliance year; and (c) in an approved form.	Non-reporting CP: N/A RP: N/A	Reduction in requirements: This proposed rule changes this rule type from an assurance rule to a non-reporting rule, for supplies following Level 2 Rules. This rule sets out what needs to be reported and how it needs to be reported to the Authority each year but the proposed G.RR.3 would not need to be reported on.	N/A	Neutral
G3	Drinking water suppliers demonstrating compliance against level 3 Rules must report to Taumata Arowai the water quality monitoring information set out in tables 5, 6 and 7.	Assurance. As set out in tables 5, 6 and 7	G.RR.4	Drinking water suppliers demonstrating compliance against level 3 monitoring rules that require continuous monitoring must report monthly— (a) whether the supply complied with each monitoring rule for the month; and (b) for every non-compliance— (i) the number of days that the rule was not complied with; and	Non-reporting CP: N/A RP: N/A (Combination of multiple rules)	Simplify: To help make reporting rules easier to understand and follow, we are proposing that this rule only covers the requirements for continuous monitoring reporting. Grab sampling monitoring reporting is covered in a separate reporting rule (G.RR.5). Changes to continuous monitoring reporting. We do not currently collect the data we need to accurately assess whether treatment barriers are operating effectively and whether a supply is non-compliant with the Rules. We propose changes to	Do you agree (for all rules applicable) with the change to make all continuous monitoring rules reported on a monthly basis? Do you agree with non-compliance	This rule change will increase costs for suppliers as it will require changes to reporting systems.
G4	Drinking water suppliers reporting against level 3 monitoring rules that are not included in tables 5, 6, and 7 must report annually within 40 working days of the end of each calendar year.	RP: monthly (Tables 5, 6, 7). Annually – other						

G3 Table 5	Bacterial reporting requirements for level 3 Rules <i>If chlorine is the primary disinfectant</i> T3.2, Chlorine C.T, CP 1 day, RP 1 month <i>If chlorine dioxide is the primary disinfectant</i> T3.8, Chlorine dioxide C.t, CP 1 day, RP 1 month <i>If ozone is the primary disinfectant</i> T3.13, Ozone residual, – CP 1 day, RP 1 month <i>If UV is the primary disinfectant</i> T3.17, UV dose, CP 1 day, RP 1 month	monitoring rules.		(ii) the date and duration of the non-compliance; and (iii) the extent of the non-compliance; and (c) within 20 working days of the end of each reporting period; and (d) in an approved form.		continuous monitoring reporting to improve our understanding of the safety of drinking water and non-compliance with the Rules. Currently the Rules require suppliers to report all continuous monitoring data. However, we only ask suppliers to tell us the number of non-compliant periods they had when monitoring continuously (i.e.: how many days in a month the supply was not compliant). We propose changing this rule so that suppliers will only need to report to us the results of non-compliant monitoring. This change will involve specifying the timeframes for each day that each treatment process for the supply was non-compliant and what the minimum and maximum ranges were of the non-compliant values. Suppliers will still need to report to us on whether they complied with each monitoring rule. Suppliers will not need to provide us with data for the times when the supply processes were compliant with the Rules. See the discussion document for more information about this proposed change to continuous monitoring non-compliance reporting. Appendix 2 of the discussion document sets out worked example of continuous monitoring non-compliance reporting. Simplifying reporting Suppliers currently need to report monthly on some monitoring rules and annually for other monitoring rules. We are proposing to simplify reporting by requiring that all monitoring rules that require continuous monitoring must be reported on monthly, within 20 working days of the end of each month. This responds to feedback we have received from some suppliers that reporting more frequently would reduce the burden of annual reporting by spreading analysis and reporting throughout the year. Reduction in requirements: We are proposing changing this rule type from an assurance rule to a non-reporting rule. This rule sets out what needs to be reported to the Authority each year but suppliers would not need to report on this rule.	reporting for non-compliance with continuous monitoring rules? Are there any cost implications for you from this proposed change? If there are costs - will these be to you internally or from purchasing services?	
G3 Table 6	Protozoal reporting requirements for level 3 Rules <i>For Coagulation, Flocculation and Sedimentation without Filtration</i> T3.24, turbidity, CP 1 day, RP 1 month <i>For Coagulation, Flocculation and Sedimentation with Filtration, Second Stage Filtration, Slow Sand Filtration, Membrane Filtration or Cartridge Filtration</i> Depending on process used, either: (T3.27 and T3.28) (T3.31 and T3.32) (T3.35 and T3.36) (T3.39 and T3.40) (T3.43 and T3.44) (T3.47 and T3.48) (T3.51 and T3.52) (T3.60 and T3.61) (T3.65 and T3.66) (T3.76 and T3.77) Turbidity, CP 1 day, RP 1 month <i>For Ozone</i> T3.81, Ozone C.t, CP 1 day, RP 1 month							

	<i>If UV is the primary disinfectant</i> T3.86, UV dose, CP 1 day, RP 1 month							
G3 Table 7	Distribution zone reporting requirements for level 3 Rules D3.19, FAC, CP 1 month, RP 1 month D3.29, <i>E. coli</i> , total coliforms, CP 1 month, RP 1 month							
G3 and G4	Drinking water suppliers reporting against level 3 monitoring rules that are not included in tables 5, 6, and 7 must report annually within 40 working days of the end of each calendar year.	Assurance As set out in the relevant rules	G.RR.5	Drinking water suppliers demonstrating compliance against level 3 monitoring rules that require grab samples must report monthly for rules with a one-month reporting period and annually for rules with a one-year reporting period—	Non-reporting CP: N/A RP: N/A	Simplify: To help make reporting rules easier to understand and follow, we are proposing that this rule only covers the requirements for grab sampling monitoring reporting. Continuous monitoring reporting is covered in a separate reporting rule (G.RR.4). This proposed rule sets out the reporting timeframes for rules that require grab samples that have one month or one year compliance periods. Suppliers must report results within 20 days of the end of the month or within 40 days of the end of the year, depending on the compliance period. Suppliers may report the results earlier if they choose. E.g.: if samples that have a one-year compliance period are collected in May, the results can be reported at the end of that month -the water supplier doesn't need to wait until the end of December to report the result. Reduction in requirements: We are proposing changing this rule type from an assurance rule non-reporting rule. This rule sets out what needs to be reported to the Authority each year but suppliers would not need to report on this rule.	Do you agree with including a rule that sets out the requirements specific to grab sampling for monitoring rules? Do you agree with changing some reporting that is currently annual into monthly reporting?	Neutral
Tables 5, 6 and 7	See above for tables 5, 6 and 7.			(a) whether the supply complied with each rule or not for the compliance period; and (b) the number of compliance periods that each rule was not complied with; and (c) the supply component, sample ID, sample date and the sample test results for each sample analysed by or on behalf of the supplier for compliance with these rules; and (d) within 20 working days of the end of each month for rules with a one-month reporting period; and (e) within 40 working days of the end of the year for rules with a one-year reporting period; and (f) in an approved form.				
G5	Drinking water suppliers demonstrating compliance with level 3 rules, must report on their performance against all assurance rules annually within 40 days of the end of each calendar year.	Assurance CP: 1 Year RP: 1 Year	G.RR.6	Drinking water suppliers demonstrating compliance against level 3 assurance rules must report monthly for assurance rules with a one-month reporting period and annually for assurance rules with a one-year reporting period— (a) whether the supply complied with each assurance rule during each compliance period; and (b) within 20 working days of the end of the compliance period for assurance	Non-reporting CP: N/A RP: N/A	This proposed rule change covers reporting requirements for Level 3 assurance rules. It sets out what needs to be reported either monthly or each year, and how it needs to be reported (i.e. in an approved form). Suppliers would not need to report on this rule. We are also proposing changing this rule type from an assurance rule to a non-reporting rule.	N/A	N/A

				rules with a one-month reporting period; and (c) within 40 working days of the end of each compliance period for assurance rules with a one-year reporting period; and (d) in an approved form.				
N/A	N/A	N/A	G.RR.7	Drinking water suppliers demonstrating compliance against level 1, level 2, and level 3 Rules modules must indicate in each report— (a) the start and end dates of reporting period (for example, the first and last day of the month, quarter, or calendar year); and (b) the supply ID of the supply being reported on; and (c) the Rules modules the supplier has elected to comply with for the duration indicated on the report; and (d) the rule numbers that each reported result relates to; and (e) the date the report was submitted; and (f) the name and email of the person submitting the report.	Non-reporting CP: N/A RP: N/A	This proposed new rule sets out what suppliers need to include in each report. Requiring suppliers to elect a rule module and rule number when reporting will help us to identify which rules are being reported against. We will use this information to validate a report. Suppliers would not need to report on this rule. We already ask for this information from suppliers with level 1 and level 2 supplies in an “approved form”. We also already require this information from level 3 suppliers but this rule formalises and clarifies this requirement.	N/A	Small increase in costs for Level 3 supplies.
General rules module			G General Rules Module G.SM Sampling and monitoring Rules					
G6	All samples collected from drinking water supplies for monitoring that are analysed by laboratories, must be labelled with the unique source, treatment plant, distribution zone, or Water Carrier Service identifier allocated by Taumata Arowai, to show where the sample was collected from and the time and date that the sample was collected	Assurance CP: 1 Year RP: 1 Year	G.SM.1	All samples collected from drinking water supplies for monitoring that are analysed by laboratories, must be labelled with— (a) the unique sample identifier; and (b) the supply ID and, where applicable, the supply component ID (for example, source, treatment plant, distribution zone or Water Carrier Service identifier ID) from which the sample was collected; and (c) the time that the sample was collected; and (d) the date that the sample was collected.	Assurance CP: 1 Year RP: 1 Year	This proposed rule change makes formatting improvements and minor wording changes.	N/A	N/A

G7	Drinking water suppliers must take reasonably practicable steps to ensure that samples for <i>E. coli</i> , total coliforms, or other microbiological contaminants are delivered to a laboratory within 24 hours of the sample being collected, and at a water temperature that is no higher than the water temperature at the time of sampling but above zero degrees Celsius.	Assurance CP: 1 Year RP: 1 Year	G.SM.2	Reasonably practicable steps must be taken to ensure that— (a) samples for <i>E. coli</i> , total coliforms, or other microbiological contaminants are delivered to a laboratory within 24 hours of the sample being collected; and (b) samples are at a water temperature that is no higher than the water temperature at the time of sampling but above zero degrees Celsius.	Assurance CP: 1 Year RP: 1 Year	This proposed rule change makes formatting improvements.	N/A	N/A
G8	All water samples that require laboratory analysis and are used to demonstrate compliance with these Rules must be: (a) analysed by a laboratory accredited by IANZ for the type of analysis being undertaken; and (b) collected according to any instructions and specifications provided by the laboratory.	Assurance CP: 1 Year RP: 1 Year	G.SM.3	All water samples that are analysed by a laboratory and are used to demonstrate compliance with these Rules must be— (a) analysed by a laboratory accredited by IANZ for the type of analysis being undertaken; and (b) collected according to any instructions and specifications provided by the laboratory.	Non-reporting CP: N/A RP: N/A	This proposed rule change makes formatting changes. It also changes this rule from an assurance rule to a non-reporting rule.	N/A	N/A
G9	Equipment used for the analysis of single samples (grab samples) by drinking water suppliers, to demonstrate compliance with any rule, must be calibrated/verified in accordance with the instrument manufacturer's specified procedures and frequency.	Assurance CP: 1 Year RP: 1 Year	G.SM.4	Equipment used for the analysis of single samples/grab samples to demonstrate compliance with these Rules, must be calibrated/verified in accordance with the instrument manufacturer's specified procedures and frequency.	Assurance CP: 1 Year RP: 1 Year	No change.	N/A	N/A
General rules module			G General Rules Module G.CH Capability and hygiene rules					
G10	All work (planned or unplanned) on a water supply must be completed by suitably trained or experienced personnel.	Assurance CP: 1 Year RP: 1 Year	G.CH.1	All work (planned or unplanned) on a drinking water supply must be completed by suitably trained or experienced personnel.	Assurance CP: 1 Year RP: 1 Year	No change.	N/A	N/A
G11	Drinking water suppliers must prepare a hygiene code of practice for people working on a water supply which must include: (a) maintenance of personal hygiene at all times; and (b) prohibition of people working on a water system who are experiencing any gastrointestinal illness; and	Assurance CP: 1 Year RP: 1 Year	G.CH.2	A hygiene code of practice must be prepared and implemented for people working on, or visitors to, a drinking water supply and must include— (a) maintenance of personal hygiene at all times; and (b) prohibition of people working on a water system who are experiencing any gastrointestinal illness; and	Assurance CP: 1 Year RP: 1 Year	No change.	N/A	N/A

	(c) protection of the work site, materials, and tools from contamination; and (d) how all reasonable steps will be taken to minimise the entry of contamination into the water supply during any activity.			(c) protection of the work site, materials, and tools from contamination; and (d) how all reasonable steps will be taken to minimise the entry of contamination into the water supply during any activity.				
General rules module			G General Rules Module G.CM Continuous monitoring rules					
G12	Continuous on-line monitoring equipment used to demonstrate compliance with any rule must: (a) be calibrated in accordance with the instrument manufacturer's specified procedures and frequency; and (b) have calibration verified in accordance with the instrument manufacturer's specified procedures.	Assurance CP: 1 Year RP: 1 Year	G.CM.1	Continuous on-line monitoring equipment used to demonstrate compliance with these Rules must— (a) be calibrated in accordance with the instrument manufacturer's specified procedures and frequency; and (b) have calibration verified in accordance with the instrument manufacturer's specified procedures.	Assurance CP: 1 Year RP: 1 Year	This proposed rule change makes formatting improvements.	N/A	N/A
G13	For continuous monitoring equipment that is used to demonstrate compliance against treatment Rules (T1, T2, T3), the separation between data records must be no more than 1 minute. ⁷	Assurance CP: 1 Year RP: 1 Year	G.CM.2	Continuous monitoring equipment that is used to demonstrate compliance must be configured to record data at the following intervals for continuous monitoring rule requirements: (a) five minutes for FAC and fluoride analysers where the minimum cycle time specified by the manufacturer exceeds one minute: (b) one minute for all other determinands in level 1, level 2 and level 3 treatment rules: (c) 30 minutes for all determinands in level 3 source water rules and level 3 distribution rules.	Assurance CP: 1 Year RP: 1 Year	This proposed change consolidates related rules and information into one rule.	N/A	N/A
G13 Footnote 7	Separation between data records of up to five minutes is allowed for FAC analysers and fluoride analysers where the minimum cycle time specified by the analyser manufacturer exceeds 1 minute.							
G15	For continuous monitoring equipment that is used to assess source water or to demonstrate compliance against distribution zone Rules, the separation between data records must be no more than 30 minutes.							
G14	Generation of continuous monitoring data that is used to demonstrate compliance against T3 treatment Rules or D3 Distribution Rules, must not be interrupted for a period of more than 15 consecutive minutes, or for a total of more than 72 minutes in any one-day	Assurance CP: 1 Year RP: 1 Year	G.CM.3	Where continuous monitoring is used to demonstrate compliance with level 3 source water rules or level 3 distribution rules and continuously monitored data cannot be recorded— (a) test results from grab samples may be used to verify compliance with	Assurance CP: 1 Year RP: 1 Year	This proposed change covers supplementary testing options when continuous monitoring equipment fails. It only applies to level 3 source water and distribution rules.	Do you agree with the 24-hour grab sample time proposed to account for the missing source water or	Neutral

	compliance period, for compliance to be achieved.			relevant water quality thresholds where one grab sample may be used to account for up to 24 hours of lost continuous monitoring data for a period of up to 48 hours; and (b) if a grab sample used to supplement continuous monitoring data fails to meet the continuous monitoring limit, the rule must be considered non-compliant for the day.		A supplier will be able to take one grab sample for up to 24 hours of lost continuous monitoring data, for a maximum of 48 hours.	distribution zone continuous monitoring data with a limit of up to 48 hours?	
G17	Where continuous monitoring equipment that is used to demonstrate compliance (excludes source water monitoring) fails, or is not otherwise able to provide data, grab samples can be taken to substitute for continuous data if analyses of the parameters is undertaken for at least every 30-minute period that the continuous monitoring equipment is not operating.	Assurance CP: 1 Year RP: 1 Year	G.CM.4	When continuous monitoring is used to demonstrate compliance with level 3 treatment rules and continuously monitored data cannot be recorded— (a) test results from grab samples may be used to verify compliance with relevant water quality thresholds where one grab sample may be used to account for up to 60 consecutive minutes of lost continuous monitoring data; and (b) if a grab sample used to supplement continuous monitoring data fails to meet the continuous monitoring limit, the supply must be considered non-compliant with the relevant rule for the day.	Assurance CP: 1 Year RP: 1 Year	We are proposing increasing the time period that grab sampling can be used to verify compliance with level 3 treatment rules (from 30 minutes to 60 minutes) when continuously monitored data cannot be recorded. This responds to feedback we have received from some suppliers that 30 minutes is not enough time to get continuous monitoring equipment running after it fails.	Do you agree with the 60-minute grab sample time proposed to account for missing treatment continuous monitoring data?	Neutral
G16	Continuous monitoring equipment used to monitor FAC in distribution zones must be appropriately pH and temperature compensated.	Assurance CP: 1 Year RP: 1 Year	N/A	Removed	N/A	Rule removed. Will be included in guidance.	N/A	N/A