

Summary of Draft Changes to Group A Rule for Water System Groundwater Disinfection

Added a new definition of detectable residual disinfectant concentration that states:

"Detectable residual disinfectant concentration" means the value that is greater than or equal to the lowest measurable value, plus the accuracy of the instrument used to measure chlorine residual. For example, if the lowest measurable value equals 0.1 mg/L and the accuracy of the instrument used is plus or minus 0.1 mg/L, then the detectable residual disinfectant concentration is 0.2 mg/L.

Defined monitoring, reporting and treatment technique violations (TTVs) for systems that disinfect.

If a system fails to monitor as required, they will receive a monitoring violation. If a system fails to submit a monthly water treatment plant report by the 10th of the following month, they will receive a reporting violation. If a system fails to provide the required level of treatment two (2) or more days per month, they will have a treatment technique violation.

We added a new requirement to provide CT6-level disinfection for:

- Desalination of a seawater source by reverse osmosis.
- A microbial contaminant threat due to inadequate well construction, land-use practices, aquifer characteristics.

Removed requirement for CT6 systems to maintain detectable residual in distribution and included the existing federal requirement to measure residual during routine and repeat coliform monitoring.

This will allow systems with multiple sources to treat sources that require CT6 and leave other sources untreated if they choose. The requirement to measure residual during routine and repeat coliform monitoring already existed; it was stated here for clarity. Systems that disinfect to address a distribution problem still have to maintain detectable residual in distribution.

Added a requirement for distribution disinfection for systems with repeated facility failures.

The current draft rule contains an error in WAC 246-290-451(5)(b). The wording "major monitoring violation" should read "major repeat violation."

Added an exemption from the monitoring and reporting requirements for systems that add a disinfectant for purposes other than disinfection of distribution.

If the system has an approved treatment design that addresses the treatment purpose, procedures and monitoring requirements, the system may be exempted from the requirements of WAC 246-290-451. Examples include oxidation only and taste and odor treatment.

Changed the title of WAC 246-290-453 Treatment techniques for groundwater systems to: Corrective action under the GWR.

The title was changed to clarify the purpose of this section.

Included the existing federal requirement for residual measurement reporting and added a violation for failing to report for systems treating to 4 log inactivation of viruses under the groundwater rule.

Summary of Draft Changes to Group A Rule for Water System Surface Water Treatment

WAC 246-290-638 Analytical requirements

New requirement to verify on-line instruments used for chlorine residual monitoring with a grab sample measurement every five days—to align with federal requirements

Revised qualifications to allow a non-certified operator to conduct distribution system residual disinfectant concentration monitoring.

Technical change to allow use of laser turbidimeters for compliance monitoring.