

WATER QUALITY MONITORING REQUIREMENTS - COMMUNITY WATER SYSTEM

Constituent	Frequency	
Coliform	At least one sample per month shall be collected in accordance with an approved Sample Siting Plan. System with disinfection (i.e. chlorination) shall also collect one sample per quarter at each source. Chlorine residuals must be collected with all coliform samples.	
Disinfection By-Products	One sample per year per treatment plant during month of warmest water temperature. Once every three years if initial sample is $\leq .020\text{mg/L}$ and $.015\text{mg/L}$ for TTHM and HAA5 respectively.	
Lead and Copper	Initial compliance: take two sets of samples six months apart (reduced tap sampling requires five sampling sites per set for systems serving ≤ 500 connections). Take one sample set every three years. Sample sets must be taken between June and September.	
	Groundwater	Standby ¹ Source
Primary Compounds ² (Inorganics)	Every 3 years	Every 9 years
Secondary Compounds ² (Aesthetics)	Every 3 years	Every 9 years
Nitrates	Every year	Every 9 years
VOC's ²	Every 3 years	Every 9 years
SOC's ²	Every 3 years	Every 9 years
Radiochemicals ³ (initial)	4 consecutive quarters	4 consecutive quarters
Radium 228	4 consecutive quarters	4 consecutive quarters
Perchlorate	Initial: 2 samples 5-7 months apart Routine: Every 3 years	Initial: 1 sample Routine: Every 9 years
Asbestos ²	Every 9 years	Every 9 years

1- The California Code of Regulations (Title 22, chapter 15, section 64414) requires that a standby source only be used for short-term emergencies of five consecutive days or less, and for less than a total of fifteen calendar days a year.

2- Waivers for reduced monitoring may be available to water sources not vulnerable to constituent: Primaries/Secondaries – after 3 cycles with no MCL violations, monitoring may be reduced to once every 9 years; VOCs – after four consecutive quarters with no MCL violations, monitoring may be reduced to once every 6 years; SOCs/Asbestos – may be waived if source/distribution system in not vulnerable.

3- After initial sampling is complete, sampling requirements for Gross Alpha are as follows: One sample every 9 years if the average/composite of the monitoring results is below 3pCi/L; One sample every 6 years if the average/composite is ≥ 3 pCi/L but ≤ 7.5 pCi/L; One sample every 3 years if the average/composite is ≥ 7.5 pCi/L but ≤ 15 pCi/L; Quarterly if the average/composite is greater than the MCL (15 pCi/L).

A state certified laboratory must perform the analyses and, with the exception of lead and copper monitoring, samples for chemical analyses must be collected from each source. (The well must be running during sampling to ensure water is collected from the source and not backflow from the storage tank. Wells must be allowed to flow for a minimum of 15 minutes before sampling to ensure that the samples reflect the water quality of the source.)