

Section 20 Tier 3 Treatment, Monitoring, Inspection and Sampling for Supplement Treatment Units

This section addresses the treatment, monitoring, inspection and sampling requirements for supplemental treatment units subject to the OWTS Policy, Section 10, that are located outside of the geographical area defined by either a TMDL implementation plan or an Advanced Protection Management Program.

- A. Supplemental treatment units for pathogens shall be capable of producing effluent that meets the following effluent quality parameters:
 - 1. Less than or equal to 30 milligrams per liter total suspended solids as a 30-day average.
 - 2. Less than or equal to 200 MPN per 100 milliliters for fecal coliform bacteria.
- B. Supplemental treatment units for nitrogen shall be capable of producing effluent that reduces the nitrogen levels 50 percent or more when comparing the 30-day average influent nitrogen levels to the 30-day average effluent nitrogen levels.
- C. Supplemental treatment units shall be monitored in accordance with the operation and maintenance manual for the treatment unit.
- D. Supplemental treatment components shall be equipped with a visual or audible alarm as well as a telemetric alarm that alerts the owner and service provider in the event of a system malfunction. Where telemetry is not possible, the owner or owner's agent shall inspect the system at least monthly while the system is in use.
- E. Disinfection systems shall be inspected quarterly by a service provider for proper operation while the system is in use unless a telemetric monitoring system is capable of continuously assessing the operation of the disinfection system.
- F. Sampling and analytical testing of disinfected effluent shall be conducted quarterly. The analytical testing shall be performed by a laboratory certified by the California Department of Public Health. The analytical test shall have a minimum detection level of 2.2 MPN. The effluent shall be tested for fecal coliform bacteria and total suspended solids. The location of the effluent sampling point shall be documented with geographic coordinates.

