CA

64674 Large Water System Requirements

(a)

The requirements in this section are applicable to all large water systems.

(b)

Each large system shall conduct standard tap sampling pursuant to section 64675 (General Requirements for Tap Sampling for Lead and Copper), and monitor for WQPs pursuant to section 64681 (Initial WQP Monitoring). Tap sampling frequency may be reduced pursuant to section 64675.5 (Tap Sampling Frequency).

(c)

Each large system shall complete a corrosion control study, pursuant to section 64683 (Corrosion Control Study Procedure), unless it can meet one of the following criteria: (1) The system submits the following documentation to the Department and the Department determines in writing that the system has optimized corrosion control based on its review of the submittal: (A) The results of all test samples collected for each of the WQPs in section 64683(a)(3) (Corrosion Control Study Procedure); (B) A report explaining the test methods used by the water system to evaluate corrosion control treatment alternatives pursuant to section 64683 (Corrosion Control Study Procedure), the results of all tests conducted, and the basis for the system's selection of CCT; (C) A report explaining how CCT has been installed and is being operated pursuant to section

64684 (CCT Installation and Operation); and (D) The results of tap sampling for lead and copper for two consecutive periods after corrosion control has been installed; or (2) The system demonstrates for two consecutive periods that the difference between the 90th percentile tap sampling lead level and the highest source water monitoring result for each period is less than the reporting level for purposes of reporting (DLR), pursuant to subsections 64678(a), (b) and (c) (Determination of Exceedances of Lead and Copper Action Levels), or that the source water lead levels are below the method detection level of 0.001 mg/L and the 90th percentile lead level is equal to or less than the DLR for each period. In either case, the system shall also not have a copper action level exceedance. If such a system ceases to meet this criteria, it shall conduct a corrosion control study, pursuant to section 64683 (Corrosion Control Study Procedure) within eighteen months of not meeting the criteria, and proceed thereafter pursuant to subsection (e).

(1)

The system submits the following documentation to the Department and the Department determines in writing that the system has optimized corrosion control based on its review of the submittal: (A) The results of all test samples collected for each of the WQPs in section 64683(a)(3) (Corrosion Control Study Procedure); (B) A report explaining the test methods used by the water system to evaluate corrosion control treatment alternatives pursuant to section 64683 (Corrosion Control Study Procedure), the results of all tests conducted, and the basis for the system's selection of CCT; (C) A report explaining how CCT has been installed and is being operated pursuant to section 64684 (CCT Installation and Operation); and (D) The results of tap sampling for lead and copper for two consecutive periods after corrosion control has been installed; or

(A)

The results of all test samples collected for each of the WQPs in section 64683(a)(3) (Corrosion Control Study Procedure);

(B)

A report explaining the test methods used by the water system to evaluate corrosion control treatment alternatives pursuant to section 64683 (Corrosion Control Study Procedure), the results of all tests conducted, and the basis for the system's selection of CCT;

(C)

A report explaining how CCT has been installed and is being operated pursuant to section 64684 (CCT Installation and Operation); and

(D)

The results of tap sampling for lead and copper for two consecutive periods after corrosion control has been installed; or

(2)

The system demonstrates for two consecutive periods that the difference between the 90th percentile tap sampling lead level and the highest source water monitoring result for each period is less than the reporting level for purposes of reporting (DLR), pursuant to subsections 64678(a), (b) and (c) (Determination of Exceedances of Lead and Copper Action Levels), or that the source water lead levels are below the method detection level of 0.001 mg/L and the 90th percentile lead level is equal to or less than the DLR for each period. In either case, the system shall also not have a copper action level exceedance. If such a system ceases to meet this criteria, it shall conduct a corrosion control study, pursuant to section 64683 (Corrosion Control Study Procedure) within eighteen months of not meeting the criteria, and proceed thereafter pursuant to subsection (e).

(d)

Each large system that conducts a corrosion control study will be notified of the Department's designation for CCT within 6 months of the study's completion and shall comply with the following timeframes: (1) Begin CCT installation within 12 months of being notified of the Department's designation for CCT. (2) Complete CCT installation within 24 months of the Department's designation. (3) Complete two periods of WQP monitoring and tap sampling for lead and copper within 36 months of the Department's designation. (4) Operate in compliance with the WQP levels specified by the Department pursuant to section 64684 (CCT Installation and Operation), beginning no later than within 42 months of the Department's designation. WQP tap monitoring may be reduced as follows: (A) Pursuant to section 64682(c) (WQP Monitoring After CCT Installation), if the system has no action level exceedance; or (B) To once every three years at the reduced number of sites pursuant to table 64680-A, if the system has 90th percentile levels that do not exceed 0.005 mg/L for lead and 0.65 mg/L for copper for two consecutive periods. (5) If source water treatment has been installed, conduct source sampling for lead and copper pursuant to section 64685 (Source Water Monitoring and Treatment Designation).

(1)

Begin CCT installation within 12 months of being notified of the Department's designation for CCT.

(2)

Complete CCT installation within 24 months of the Department's designation.

(3)

Complete two periods of WQP monitoring and tap sampling for lead and copper within 36 months of the Department's designation.

(4)

Operate in compliance with the WQP levels specified by the Department pursuant to section 64684 (CCT Installation and Operation), beginning no later than within 42 months of the Department's designation. WQP tap monitoring may be reduced as follows: (A) Pursuant to section 64682(c) (WQP Monitoring After CCT Installation), if the system has no action level exceedance; or (B) To once every three years at the reduced number of sites pursuant to table 64680-A, if the system has 90th percentile levels that do not exceed 0.005 mg/L for lead and 0.65 mg/L for copper for two consecutive periods.

(A)

Pursuant to section 64682(c) (WQP Monitoring After CCT Installation), if the system has no action level exceedance; or

(B)

To once every three years at the reduced number of sites pursuant to table 64680-A, if the system has 90th percentile levels that do not exceed 0.005 mg/L for lead and 0.65 mg/L for copper for two consecutive periods.

(5)

If source water treatment has been installed, conduct source sampling for lead and copper pursuant to section 64685 (Source Water Monitoring and Treatment Designation).

(e)

A large system with an action level exceedance for lead shall: (1) Monitor source waters, pursuant to article 6 (Source Water Requirements) of this chapter; (2) Complete a lead public education program, pursuant to article 7 (Public Education Program for Action Level Exceedances) of this chapter; and (3) Replace lead service lines, pursuant to article 8 (Lead Service Line Requirements) of this chapter.

(1)

Monitor source waters, pursuant to article 6 (Source Water Requirements) of this chapter;

(2)

Complete a lead public education program, pursuant to article 7 (Public Education Program for Action Level Exceedances) of this chapter; and

(3)

Replace lead service lines, pursuant to article 8 (Lead Service Line Requirements) of this chapter.

(f)

A large system with an action level exceedance for copper shall monitor source waters pursuant to article 6 (Source Water Requirements) of this chapter.