

64669.60 Regulated Chemicals and Physical Characteristics Control and Monitoring

(a)

Once a month, samples shall be collected at sampling locations representative of:

(1) municipal wastewater that feeds the DPR project at a location after secondary wastewater treatment and prior to the treatment processes pursuant to section 64669.50, or at an alternate location approved by the State Board; (2) advanced treated water at a location immediately after the advanced oxidation process; and (3) finished water prior to an entry point to the distribution system.

(1)

municipal wastewater that feeds the DPR project at a location after secondary wastewater treatment and prior to the treatment processes pursuant to section 64669.50, or at an alternate location approved by the State Board;

(2)

advanced treated water at a location immediately after the advanced oxidation process; and

(3)

finished water prior to an entry point to the distribution system.

(b)

Samples collected pursuant to subsection (a) shall be analyzed for chemicals with a primary maximum contaminant level (MCL), a secondary MCL, or an action level,

and for physical characteristics listed in section 64449(b)(2).

(c)

Monitoring conducted at a location identified in subsection (a)(3) may be used to satisfy the monitoring requirement pursuant to subsection (a)(2) if the DiPRRA demonstrates to the State Board that the water sampled at locations identified in subsections (a)(2) and (a)(3) have the same or substantially similar water quality.

(d)

The State Board may require representative monitoring at additional locations not specified in subsection (a) based on the State Board's review of the DPR project engineering report submitted pursuant to section 64669.75.

(e)

The monitoring frequency specified in subsection (a) may be increased for a chemical in subsection (b) based on the State Board's review of the DPR project engineering report and evaluation of the treatment process used, the treatment effectiveness, and the concentration of the chemical found in the feed water source.

(f)

A representative sample shall be collected at least once a week at the location identified in subsection (a)(3) and analyzed for nitrate, nitrite, nitrate plus nitrite, perchlorate, and lead. A monthly sample collected pursuant to section (a) at this location may be used to satisfy a weekly sampling requirement when the sample date of the monthly sample and the sample date of the weekly sample coincide.

(g)

The nitrate and nitrite chemical control point shall be monitored continuously at the location identified in subsection (a)(3) or another location downstream of

reverse osmosis treatment. (1) The critical limits established for the nitrate and nitrite chemical control point shall not be greater than the respective MCLs for nitrate, nitrite, or nitrate plus nitrite. (2) If monitoring conducted at the nitrate and nitrite chemical control point indicates that an MCL for nitrate, nitrite, or nitrate plus nitrite is exceeded, the DiPRRA shall immediately take the actions pursuant to subsection (i)(2)(A).

(1)

The critical limits established for the nitrate and nitrite chemical control point shall not be greater than the respective MCLs for nitrate, nitrite, or nitrate plus nitrite.

(2)

If monitoring conducted at the nitrate and nitrite chemical control point indicates that an MCL for nitrate, nitrite, or nitrate plus nitrite is exceeded, the DiPRRA shall immediately take the actions pursuant to subsection (i)(2)(A).

(h)

If a result of the monitoring at the location identified in subsection (a)(1) indicates a concentration of a chemical exceeding a primary MCL or action level, a confirmation sample shall be collected within 24 hours of notification of the result and analyzed for the chemical to confirm the initial result.(1) If the average of the initial and confirmation sample exceeds the chemical's primary MCL or action level or if no confirmation sample is collected and analyzed pursuant to this subsection the DiPRRA shall notify the State Board within 24 hours of notification of the result, increase the monitoring frequency of the chemical to weekly at all locations identified in subsection (a), initiate an investigation of the source of the chemical, cause of the exceedance, and the efficacy of the treatment process to reduce the concentration of the chemical to below the MCL. The DiPRRA shall submit a report to the State Board summarizing the monitoring conducted and the

results of the evaluation of the treatment system and of the source of contamination. The DiPRRA may apply to the State Board for written approval to resume monthly sampling pursuant to subsection (a) after submitting the report to the State Board, with approval based on compliance with this subsection. (2) If the initial sample or confirmation sample exceeds ten times the primary MCL or action level or a concentration that may exceed the capacity of the treatment system to reduce the concentration to below the primary MCL or action level, a DiPRRA shall take corrective action and notify the State Board within 24 hours of notification of the result.

(1)

If the average of the initial and confirmation sample exceeds the chemical's primary MCL or action level or if no confirmation sample is collected and analyzed pursuant to this subsection the DiPRRA shall notify the State Board within 24 hours of notification of the result, increase the monitoring frequency of the chemical to weekly at all locations identified in subsection (a), initiate an investigation of the source of the chemical, cause of the exceedance, and the efficacy of the treatment process to reduce the concentration of the chemical to below the MCL. The DiPRRA shall submit a report to the State Board summarizing the monitoring conducted and the results of the evaluation of the treatment system and of the source of contamination. The DiPRRA may apply to the State Board for written approval to resume monthly sampling pursuant to subsection (a) after submitting the report to the State Board, with approval based on compliance with this subsection.

(2)

If the initial sample or confirmation sample exceeds ten times the primary MCL or action level or a concentration that may exceed the capacity of the treatment system to reduce the concentration to below the primary MCL or action level, a DiPRRA shall

take corrective action and notify the State Board within 24 hours of notification of the result.

(i)

If a result of the monitoring at the locations identified in subsection (a)(2) or (a)(3) indicates a concentration of a chemical exceeding a primary MCL or an action level, a confirmation sample shall be collected within 24 hours of notification of the result and analyzed for the chemical to confirm the initial result. The DiPRRA shall notify the State Board within 24 hours of notification of the initial result. If the average of the initial and confirmation sample exceeds a chemical's primary MCL or action level, or if no confirmation sample is collected and analyzed pursuant to this subsection: (1) for a sample collected at the location identified in subsection (a)(2), the DiPRRA shall notify the State Board within 24 hours of notification of the result, take corrective action, increase the monitoring frequency of the chemical to weekly at all locations identified in subsection (a), initiate an investigation of the source of the chemical, cause of the exceedance, and the efficacy of the treatment process to reduce the concentration of the chemical to below the MCL. The DiPRRA shall submit a report to the State Board summarizing the monitoring conducted, corrective action(s) taken, and the results of the evaluation of the treatment system and of the source of contamination. The DiPRRA may apply to the State Board for written approval to resume monthly sampling for the chemical pursuant to subsection (a) after submitting the report to the State Board. (2) for a sample collected at the location identified in subsection (a)(3), the DiPRRA shall: (A) notify the State Board within 24 hours of notification of the result and take action to immediately discontinue delivery of DPR project water to any distribution system. (B) notify partner agency(ies) in the joint plan, all public water systems that directly receive DPR project water, the DiPRRA

governing body, and the governing body of any local agency whose jurisdiction includes areas served by the DPR project within 30 days of notification of the result; and (C) provide public notification to customers who are served by the DPR project pursuant to section 64669.125. The DiPRRA shall coordinate with a public water system in the public notification of customers served by the public water system.

(1)

for a sample collected at the location identified in subsection (a)(2), the DiPRRA shall notify the State Board within 24 hours of notification of the result, take corrective action, increase the monitoring frequency of the chemical to weekly at all locations identified in subsection (a), initiate an investigation of the source of the chemical, cause of the exceedance, and the efficacy of the treatment process to reduce the concentration of the chemical to below the MCL. The DiPRRA shall submit a report to the State Board summarizing the monitoring conducted, corrective action(s) taken, and the results of the evaluation of the treatment system and of the source of contamination. The DiPRRA may apply to the State Board for written approval to resume monthly sampling for the chemical pursuant to subsection (a) after submitting the report to the State Board.

(2)

for a sample collected at the location identified in subsection (a)(3), the DiPRRA shall:

(A) notify the State Board within 24 hours of notification of the result and take action to immediately discontinue delivery of DPR project water to any distribution system. (B) notify partner agency(ies) in the joint plan, all public water systems that directly receive DPR project water, the DiPRRA governing body, and the governing body of any local agency whose jurisdiction includes areas served by the DPR project within 30 days of notification of the result; and (C) provide public notification to customers who

are served by the DPR project pursuant to section 64669.125. The DiPRRA shall coordinate with a public water system in the public notification of customers served by the public water system.

(A)

notify the State Board within 24 hours of notification of the result and take action to immediately discontinue delivery of DPR project water to any distribution system.

(B)

notify partner agency(ies) in the joint plan, all public water systems that directly receive DPR project water, the DiPRRA governing body, and the governing body of any local agency whose jurisdiction includes areas served by the DPR project within 30 days of notification of the result; and

(C)

provide public notification to customers who are served by the DPR project pursuant to section 64669.125. The DiPRRA shall coordinate with a public water system in the public notification of customers served by the public water system.

(j)

If a result of the monitoring at locations identified in subsection (a)(2) or (a)(3) exceeds a chemical's secondary MCL in Table 64449-A or the upper limit in Table 64449-B, a DiPRRA shall conduct an evaluation of the treatment system, continue monthly monitoring, calculate the quarterly average pursuant to section 64449(c) (Secondary Maximum Contaminant Levels and Compliance), and report the exceedance in the monthly compliance report submitted pursuant to section 64669.95.