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Title 22@ Social Security

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Division 4@ Environmental Health

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Chapter 3@ Water Recycling Criteria

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Article 5.1@ Indirect Potable Reuse: Groundwater Replenishment - Surface Application

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Section 60320.126@ Monitoring Well Requirements

60320.126 Monitoring Well Requirements

(a)

Prior to operating a GRRP, a project sponsor shall site and construct at least two monitoring wells downgradient of the GRRP such that: (1) at least one monitoring well is located; (A) no less than two weeks but no more than six months of travel through the saturated zone affected by the GRRP, and (B) at least 30 days upgradient of the nearest drinking water well; (2) in addition to the well(s) in paragraph (1) and after consultation with the Department, at least one monitoring well is located between the GRRP and the nearest downgradient drinking water well; and (3) samples from the monitoring wells in paragraphs (1) and (2) can be; (A) obtained independently from each aquifer, initially receiving the water used as a source of drinking water supply, that will receive the GRRP's recharge water, and (B) validated as receiving recharge water from the GRRP.

(1)

at least one monitoring well is located; (A) no less than two weeks but no more than six months of travel through the saturated zone affected by the GRRP, and (B) at least 30 days upgradient of the nearest drinking water well;

(A)

no less than two weeks but no more than six months of travel through the saturated zone affected by the GRRP, and

(B)

at least 30 days upgradient of the nearest drinking water well;

(2)

in addition to the well(s) in paragraph (1) and after consultation with the Department, at least one monitoring well is located between the GRRP and the nearest downgradient drinking water well; and

(3)

samples from the monitoring wells in paragraphs (1) and (2) can be; (A) obtained independently from each aquifer, initially receiving the water used as a source of drinking water supply, that will receive the GRRP's recharge water, and (B) validated as receiving recharge water from the GRRP.

(A)

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(B)

validated as receiving recharge water from the GRRP.

(b)

In addition to the monitoring required pursuant to section 60320.120, from each monitoring well in subsection (a)(1), and each monitoring well in subsection (a)(2) that has recharge water located within one year travel time of the well(s), a project sponsor shall collect two samples prior to GRRP operation and at least one sample each quarter after operation begins. Each sample shall be analyzed for total nitrogen, nitrate, nitrite, the contaminants in Tables 64449-A and B of section 64449, and any contaminants and chemicals specified by the Department or Regional Board based on the results of the recycled municipal wastewater monitoring conducted pursuant to this Article.

(c)

If a result from the monitoring conducted pursuant to subsection (b) exceeds 80 percent of a nitrate, nitrite, or nitrate plus nitrite MCL a project sponsor shall, within 48 hours of being notified of the result by the laboratory, collect another sample and have it analyzed for the contaminant. If the average of the result of the initial sample and the confirmation sample exceed the contaminant's MCL, a project sponsor shall: (1) within 24 hours of being notified by the laboratory of the confirmation sample result, notify the Department and Regional Board; and (2) discontinue surface application of recycled municipal wastewater until corrective actions have been taken or evidence is provided to the Department and Regional Board that the contamination was not a result of the GRRP.

(1)

within 24 hours of being notified by the laboratory of the confirmation sample result, notify the Department and Regional Board; and

(2)

discontinue surface application of recycled municipal wastewater until corrective actions have been taken or evidence is provided to the Department and Regional Board that the contamination was not a result of the GRRP.

(d)

For Department-specified chemical analyses completed in a month, a project sponsor shall ensure the laboratory electronically submits results to the Department no later than 45 days after the end of the month in which monitoring occurred, in a manner such that data is readily uploaded into the Department's database. Utilization of the process described on the Department's Web site will satisfy this requirement.

(e)

The GRRP's project sponsor may reduce monitoring for the chemicals and

contaminants in subsection (b) to once each year following Department approval based on the Department's review of the most recent two years of monitoring results.