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Title 22@ Social Security

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Division 4@ Environmental Health

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Chapter 17@ Surface Water Treatment

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Article 2@ Treatment Technique Requirements, Watershed Protection Requirements, and Performance Standards

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Section 64652@ Treatment Technique Requirements and Compliance Options

## **64652 Treatment Technique Requirements and Compliance Options**

### **(a)**

A supplier using an approved surface water shall provide multibarrier treatment that meets the requirements of this chapter and reliably ensures at least, between a point where the raw water is not subject to recontamination by surface water runoff and a point downstream before or at the first customer: (1) A total of 99.9 percent reduction of *Giardia lamblia* cysts through filtration and disinfection; (2) A total of 99.99 percent reduction of viruses through filtration and disinfection; and (3) A total of 99 percent removal of *Cryptosporidium* through filtration.

#### **(1)**

A total of 99.9 percent reduction of *Giardia lamblia* cysts through filtration and disinfection;

#### **(2)**

A total of 99.99 percent reduction of viruses through filtration and disinfection; and

#### **(3)**

A total of 99 percent removal of *Cryptosporidium* through filtration.

### **(b)**

A supplier meeting the requirements of section 64654 in combination with either section 64652.5 or 64653 shall be deemed to be in compliance with the minimum reduction requirements specified in subsections (a)(1) and (a)(2).

**(c)**

A supplier meeting the requirements of section 64652.5 or 64653 shall be deemed to be in compliance with the minimum removal requirement specified in subsection (a)(3).

**(d)**

A supplier serving 10,000 or more persons shall not begin construction of an uncovered finished water storage facility. If a supplier serving fewer than 10,000 persons began construction of a finished water reservoir on or after March 15, 2002, the reservoir shall be covered.

**(e)**

A supplier that uses conventional or direct filtration treatment and recycles spent filter backwash water, thickener supernatant, or liquids from dewatering processes shall comply with the recycle requirement of section 64653.5(b).

**(f)**

A supplier shall comply with the disinfection profiling and benchmarking requirements of section 64656.5.

**(g)**

A supplier shall comply with the treatment technique and microbial toolbox component requirements specified in sections 64650(f)(1) and (2).

**(h)**

No variances from the requirements in this section are permitted.