

# Recycled Water Uses Allowed<sup>1</sup> in California

This summary is prepared for [WateReuse Association](http://www.watereuse.org) from the December 2, 2000-adopted Title 22 [Water Recycling Criteria](http://www.watereuse.org) and supersedes all earlier versions.

<i>Use of Recycled Water</i>	<b>Treatment Level</b>			
	Disinfected Tertiary Recycled Water	Disinfected Secondary-2.2 Recycled Water	Disinfected Secondary-23 Recycled Water	Undisinfected Secondary Recycled Water
<b><i>Irrigation of:</i></b>				
Food crops where recycled water contacts the edible portion of the crop, including all root crops	<b>Allowed</b>	Not allowed	Not allowed	Not allowed
Parks and playgrounds	<b>Allowed</b>	Not allowed	Not allowed	Not allowed
School yards	<b>Allowed</b>	Not allowed	Not allowed	Not allowed
Residential landscaping	<b>Allowed</b>	Not allowed	Not allowed	Not allowed
Unrestricted-access golf courses	<b>Allowed</b>	Not allowed	Not allowed	Not allowed
Any other irrigation uses not prohibited by other provisions of the California Code of Regulations	<b>Allowed</b>	Not allowed	Not allowed	Not allowed
Food crops, surface-irrigated, above-ground edible portion, and not contacted by recycled water	<b>Allowed</b>	<b>Allowed</b>	Not allowed	Not allowed
Cemeteries	<b>Allowed</b>	<b>Allowed</b>	<b>Allowed</b>	Not allowed
Freeway landscaping	<b>Allowed</b>	<b>Allowed</b>	<b>Allowed</b>	Not allowed
Restricted-access golf courses	<b>Allowed</b>	<b>Allowed</b>	<b>Allowed</b>	Not allowed
Ornamental nursery stock and sod farms with unrestricted public access	<b>Allowed</b>	<b>Allowed</b>	<b>Allowed</b>	Not allowed
Pasture for milk animals for human consumption	<b>Allowed</b>	<b>Allowed</b>	<b>Allowed</b>	Not allowed
Nonedible vegetation with access control to prevent use as a park, playground or school yard	<b>Allowed</b>	<b>Allowed</b>	<b>Allowed</b>	Not allowed
Orchards with no contact between edible portion and recycled water	<b>Allowed</b>	<b>Allowed</b>	<b>Allowed</b>	<b>Allowed</b>
Vineyards with no contact between edible portion and recycled water	<b>Allowed</b>	<b>Allowed</b>	<b>Allowed</b>	<b>Allowed</b>
Non food-bearing trees, including Christmas trees not irrigated less than 14 days before harvest	<b>Allowed</b>	<b>Allowed</b>	<b>Allowed</b>	<b>Allowed</b>
Fodder and fiber crops and pasture for animals not producing milk for human consumption	<b>Allowed</b>	<b>Allowed</b>	<b>Allowed</b>	<b>Allowed</b>
Seed crops not eaten by humans	<b>Allowed</b>	<b>Allowed</b>	<b>Allowed</b>	<b>Allowed</b>
Food crops undergoing commercial pathogen-destroying processing before consumption by humans	<b>Allowed</b>	<b>Allowed</b>	<b>Allowed</b>	<b>Allowed</b>
<b><i>Supply for impoundment:</i></b>				
Nonrestricted recreational impoundments, with supplemental monitoring for pathogenic organisms	<b>Allowed<sup>2</sup></b>	Not allowed	Not allowed	Not allowed
Restricted recreational impoundments and publicly accessible fish hatcheries	<b>Allowed</b>	<b>Allowed</b>	Not allowed	Not allowed
Landscape impoundments without decorative fountains	<b>Allowed</b>	<b>Allowed</b>	<b>Allowed</b>	Not allowed
<b><i>Supply for cooling or air conditioning:</i></b>				
Industrial or commercial cooling or air conditioning involving cooling tower, evaporative condenser, or spraying that creates a mist	<b>Allowed<sup>3</sup></b>	Not allowed	Not allowed	Not allowed
Industrial or commercial cooling or air conditioning not involving cooling tower, evaporative condenser, or spraying that creates a mist	<b>Allowed</b>	<b>Allowed</b>	<b>Allowed</b>	Not allowed

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Use of Recycled Water	Treatment Level			
	Disinfected Tertiary Recycled Water	Disinfected Secondary-2.2 Recycled Water	Disinfected Secondary-23 Recycled Water	Undisinfected Secondary Recycled Water
<b>Other uses:</b>				
Groundwater Recharge	<b>Allowed</b> under special case-by-case permits by RWQCBs <sup>4</sup>			
Flushing toilets and urinals	<b>Allowed</b>	Not allowed	Not allowed	Not allowed
Priming drain traps	<b>Allowed</b>	Not allowed	Not allowed	Not allowed
Industrial process water that may contact workers	<b>Allowed</b>	Not allowed	Not allowed	Not allowed
Structural fire fighting	<b>Allowed</b>	Not allowed	Not allowed	Not allowed
Decorative fountains	<b>Allowed</b>	Not allowed	Not allowed	Not allowed
Commercial laundries	<b>Allowed</b>	Not allowed	Not allowed	Not allowed
Consolidation of backfill material around potable water pipelines	<b>Allowed</b>	Not allowed	Not allowed	Not allowed
Artificial snow making for commercial outdoor uses	<b>Allowed</b>	Not allowed	Not allowed	Not allowed
Commercial car washes, not heating the water, excluding the general public from washing process	<b>Allowed</b>	Not allowed	Not allowed	Not allowed
Industrial process water that will not come into contact with workers	<b>Allowed</b>	<b>Allowed</b>	<b>Allowed</b>	Not allowed
Industrial boiler feed	<b>Allowed</b>	<b>Allowed</b>	<b>Allowed</b>	Not allowed
Nonstructural fire fighting	<b>Allowed</b>	<b>Allowed</b>	<b>Allowed</b>	Not allowed
Backfill consolidation around nonpotable piping	<b>Allowed</b>	<b>Allowed</b>	<b>Allowed</b>	Not allowed
Soil compaction	<b>Allowed</b>	<b>Allowed</b>	<b>Allowed</b>	Not allowed
Mixing concrete	<b>Allowed</b>	<b>Allowed</b>	<b>Allowed</b>	Not allowed
Dust control on roads and streets	<b>Allowed</b>	<b>Allowed</b>	<b>Allowed</b>	Not allowed
Cleaning roads, sidewalks and outdoor work areas	<b>Allowed</b>	<b>Allowed</b>	<b>Allowed</b>	Not allowed
Flushing sanitary sewers	<b>Allowed</b>	<b>Allowed</b>	<b>Allowed</b>	<b>Allowed</b>

<sup>1</sup> Refer to the full text of the December 2, 2000 version of Title 22: California Code of Regulations, Chapter 3 Water Recycling Criteria. This chart is only an informal summary of the uses allowed in this version.

The complete and final 12/02/2000 version of the adopted criteria can be downloaded from:  
[http://www.dhs.ca.gov/ps/ddwem/publications/Regulations/recycleregs\\_index.htm](http://www.dhs.ca.gov/ps/ddwem/publications/Regulations/recycleregs_index.htm)

<sup>2</sup> Allowed with "conventional tertiary treatment." Additional monitoring for two years or more is necessary with direct filtration.

<sup>3</sup> Drift eliminators and/or biocides are required if public or employees can be exposed to mist.

<sup>4</sup> Refer to Groundwater Recharge Guidelines, available from the California Department of Health Services.

Prepared by Bahman Sheikh and edited by EBMUD Office of Water Recycling, who acknowledge this is a summary and not the formal version of the regulations referenced above.