



**TULARE COUNTY  
HEALTH & HUMAN SERVICES AGENCY**

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**DESIGN SOIL APPLICATION RATES FOR SEPTIC DISPERSAL AREAS**

<b>Table 1: Design Soil Application Rates Calculated from Test Hole Soils Characterization</b> (Source: California State Water Resources Control Board Onsite Wastewater OWTs Policy, June 19,2012)			
<b>Soil Texture</b> (per the USDA soil classification system)	<b>Soil Structure Shape</b>	<b>Grade</b>	<b>Maximum Soil Application Rate</b> (gallons per day per square foot)
Coarse Sand, Sand, Loamy Coarse Sand, Loamy Sand	Single grain	Structureless	0.8
Fine Sand, Very Fine Sand, Loamy Fine Sand, Loamy Very Fine Sand	Single grain	Structureless	0.4
Coarse Sandy Loam, Sandy Loam	Massive	Structureless	0.2
	Platy	Weak	0.2
		Moderate, Strong	Special Design
	Prismatic, Blocky, Granular	Weak	0.4
Moderate, Strong		0.6	
Fine Sandy Loam, very fine Sandy Loam	Massive	Structureless	0.2
	Platy	Weak, Moderate, Strong	Special Design
		Weak	0.2
	Prismatic, Blocky, Granular	Moderate, Strong	0.4
Loam		Massive	Structureless
	Platy	Weak, Moderate, Strong	Special Design
		Weak	0.4
	Prismatic, Blocky, Granular	Moderate, Strong	0.6
Silt Loam		Massive	Structureless
	Platy	Weak, Moderate, Strong	Special Design
		Weak	0.4
	Prismatic, Blocky, Granular	Moderate, Strong	0.6
Sandy ClayLoam, Clay Loam, Silty Clay Loam		Massive	Structureless
	Platy	Weak, Moderate, Strong	Special Design
		Weak	0.2
	Prismatic, Blocky, Granular	Moderate, Strong	0.4
Sandy Clay, Clay, or Silty Clay		Massive	Structureless
	Platy	Weak, Moderate, Strong	Special Design
		Weak	Special Design
	Prismatic, Blocky, Granular	Moderate, Strong	0.2