

Liquid Waste Field Guide County Code - Title 6 Chapter 6

Perc rate conversion to sq. ft per bedroom			
Min/Inch	Sq Ft/bed	33	= 260
< 5	Engineered design	34	= 265
5	= 125	35	= 270
6	= 130	36	= 275
7	= 140	37	= 275
8	= 150	38	= 280
9	= 160	39	= 280
10	= 165	40	= 285
11	= 170	41	= 285
12	= 175	42	= 290
13	= 180	43	= 290
14	= 185	44	= 300
15	= 190	45	= 300
16	= 195	46	= 300
17	= 200	47	= 305
18	= 205	48	= 305
19	= 210	49	= 310
20	= 215	50	= 315
21	= 220	51	= 315
22	= 220	52	= 320
23	= 225	53	= 320
24	= 230	54	= 320
25	= 230	55	= 325
26	= 235	56	= 325
27	= 240	57	= 325
28	= 245	58	= 330
29	= 245	59	= 330
30	= 250	60	= 330
31	= 255	61-120	= Engineered design
32	= 255	> 120	= unacceptable

Map

6-6.08

- Owners Name
- APN
- Scale
- true north arrow
- property boundary lines showing accurate configuration and dimension of parcel. Inc. property monuments and how boundaries can be found by EH
- Perc test loc and soil profiles
- locations(s) of proposed OWTS and any existing systems
- Any of the following w/in 200' of OWTS: wells (E and proposed), geothermal wells, public water mains, water features (year-round and seasonal)
- Any of the following w/in 100': cut of fill banks (E or proposed), natural escarpments in excess of 50% slope
- Show area(s) of current and/or future development

As built follows map requirements - " must contain sufficient information in order to accurately locate the sewage disposal system once it has been backfilled"

Septic Tank Construction		Sewer Line Slope	
1, 2 or 3 bedrooms	1,000 gal tank	House to tank	1/4" per foot reg. by building D
4 bedrooms	1,200 gal tank	Tank to D	1/8" per foot
5 or 6 bedrooms	1,500 gal tank	Leach	~level

Seperation Distances					
	impermeable layer bgs	Bottom of leach and imp.	Highest GW bgs	Bottom of leach and HGW	Natural Grade Slope
Standard	≥ 5" (60")	4 ft (48")	≥ 6 ft (72")	5' (60")	< 30%
Engineered	3-5' (36-60")	4 ft (48")	3-6 ft (36-72")	5' grav 4' pressure	> 30%
Advanced Treatment	2-3' (24-36")	3 ft (36")	1.5-3' (18-36")	3'	
Impermeable = perc >120 defined in CH11					
Slopes -- 10°=17.6% 15°=26.8% 17°=30% 20°=36%					

Set backs			
	Tank & Lines	Leach Field	
Private water well	50'	100'	
Public water well	100'	150'	
Perennial Streams/springs	50'	100'	(10 yr high water)
Seasonal streams/springs	25'	50'	
Meadows, wet marshy areas	25'	50'	
Lakes/reservoirs/pond	50'	200'	(Almanor 100')*
Surface H2O public supply	50'	400'	see reg
Cut or fill bank	10'	4xvertical bank height or max 100'	
Natural slope >50%	25'		
Private property lines	5'	5'	(50' well loc not known)
Buildings or structures	5'	8'	
Public water supply main	25'	25'	
individual water line	10'	10'	
sewage drain system	3'	6'	(deep trench 15')
vehicular traffic ways (easements)	clear	clear	
Geothermal Wells	25'	50'	
Electric poles	15'	15'	(SOP not in code)
* - Almanor Lake Level = 4495' msl			

No leach fields can be longer than 100'
Average Single Family Dwelling uses 150 gal/bedroom/day ≈ 68 gal/person/day
Percolation testing: must be conducted at depth of proposed OWTS system, noted on map, use most conservative (largest #) from last run for sizing calculations
Soil Profile: required at discription of EHD, if GW encountered <7' bgs gw monitoring required
Piezometer: required when elevated seasonal gw expected <7' bgs. Measurements: At 2week intervals during Nov1-May31, unless gw encountered <8'bgs weekly measurements required, after seasonal high gw starts to recide reduce measurements to 4week intervals.