

**TABLE 1
OAR 340-071-0220**

MINIMUM SEPARATION DISTANCES

Items Requiring Setback	From Subsurface Absorption Area Including Replacement Area	From Septic Tank and Other Treatment Units, Effluent Sewer and Distribution Units
1. Groundwater Supplies and Wells.	*100'	50'
2. Springs: • Upgradient. • Downgradient.	50' 100'	50' 50'
**3. Surface Public Waters: • Year round. • Seasonal.	100' 50'	50' 50'
4. Intermittent Streams: • Piped (watertight not less than 25' from any part of the on-site system). • Unpiped.	20' 50'	20' 50'
5. Groundwater Interceptors: • On a slope of 3% or less. • On a slope greater than 3%: • Upgradient. • Downgradient.	20' 10' 50'	10' 5' 10'
6. Irrigation Canals: • Lined (watertight canal). • Unlined: • Upgradient. • Downgradient.	25' 25' 50'	25' 25' 50'
7. Cuts Manmade in Excess of 30 Inches (top of downslope cut): • Which Intersect Layers that Limit Effective Soil Depth Within 48 Inches of Surface. • Which Do Not Intersect Layers that Limit Effective Soil Depth.	50' 25'	25' 10'
8. Escarpments: • Which Intersect Layers that Limit Effective Soil Depth. • Which Do Not Intersect Layers that Limit Effective Soil Depth.	50' 25'	10' 10'
9. Property Lines.	10'	5'
10. Water Lines.	10'	10'
11. Foundation Lines of any Building, Including Garages and Out Buildings.	10'	5'
12. Underground Utilities.	10'	—
* 50-foot setback for wells constructed with special standards granted by WRD.		
**This does not prevent stream crossings of pressure effluent sewers.		

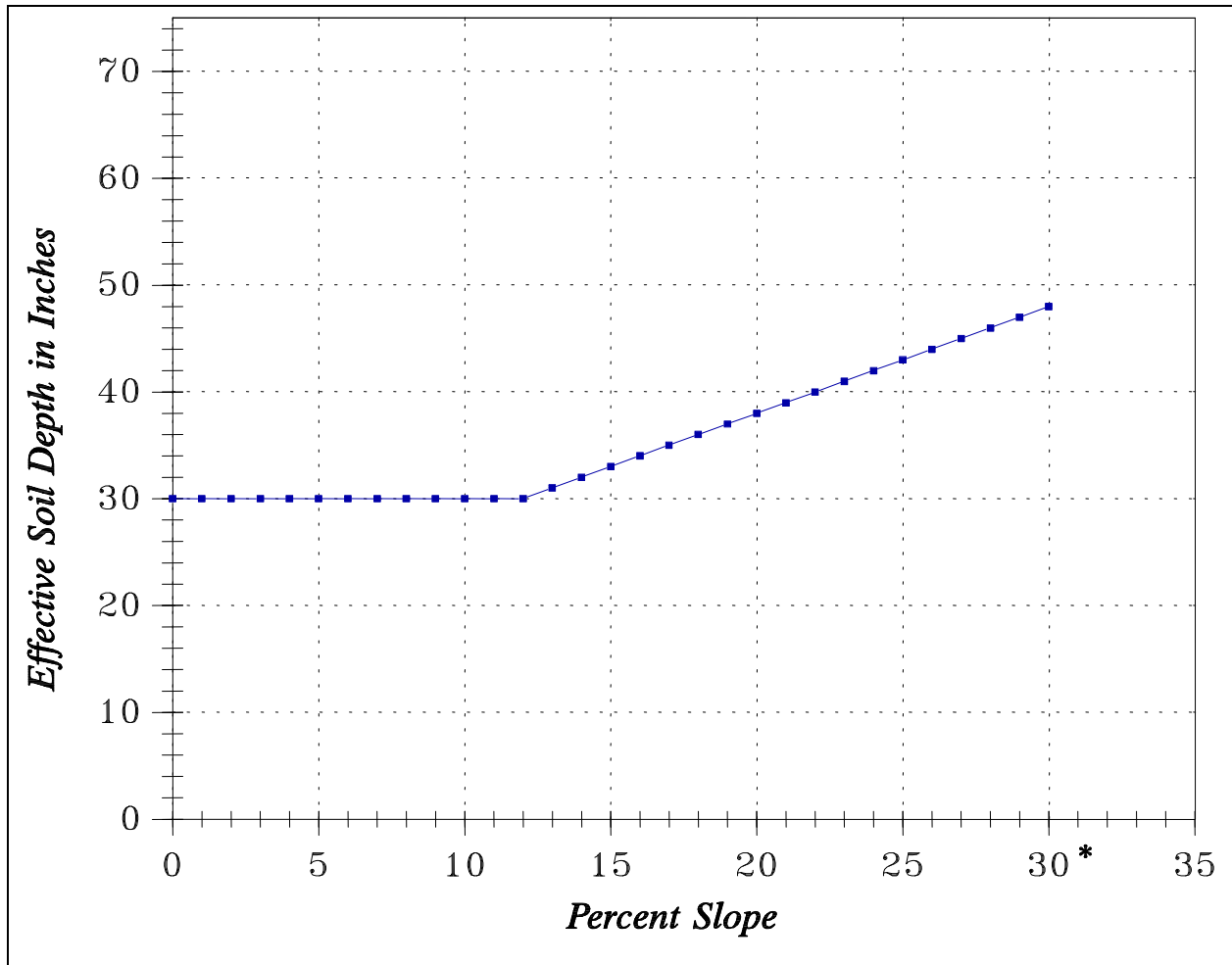
TABLE 2
OAR 340-071-0220
QUANTITIES OF SEWAGE FLOWS

Type of Establishment		Column 1	Column 2
		Gallons Per Day	Minimum Gallons Per Establishment Per Day
Airports		5 (per passenger)	150
Bathhouses and swimming pools		10 (per person)	300
Camps: (4 Persons per Campsite, where Applicable)	Campground with central comfort stations	35 (per person)	700
	With flush toilets, no showers	25 (per person)	500
	Construction camps — semi-permanent	50 (per person)	1000
	Day camps — no meals served	15 (per person)	300
	Resort camps (night and day) with limited plumbing	50 (per person)	1000
Luxury camps		100 (per person)	2000
Churches		5 (per seat)	150
Country clubs		100 (per resident member)	2000
Country clubs		25 (per non-resident member present)	—
Dwellings:	Boarding houses	150 (per bedroom)	600
	Boarding houses – additional for non-residential boarders	10 (per person)	—
	Rooming houses	80 (per person)	500
	Condominiums, Multiple family dwellings — including apartments	300 (per unit)	900
	Single family dwellings	300 (not exceeding 2 bedrooms)	450*
Single family dwellings — with more than 2 bedrooms		75 (for third & each succeeding bedroom)	450
Factories (exclusive of industrial wastes — with shower facilities)		35 (per person per shift)	300
Factories (exclusive of industrial wastes — without shower facilities)		15 (per person per shift)	150
Hospitals		250 (per bed space)	2500
Hotels with private baths		120 (per room)	600
Hotels without private baths		100 (per room)	500
Institutions other than hospitals		125 (per bed space)	1250
Laundries — self-service		500 (per machine)	2500
Mobile home parks		250 (per space)	750
Motels — with bath, toilet, and kitchen wastes		100 (per bedroom)	500
Motels — without kitchens		80 (per bedroom)	400
Picnic Parks — toilet wastes only		5 (per picnicker)	150
Picnic Parks — with bathhouses, showers, and flush toilets		10 (per picnicker)	300
Restaurants		40 (per seat)	800
Restaurants — single-service		2 (per customer)	300
Restaurants — with bars and/or lounges		50 (per seat)	1000
Schools:	Boarding	100 (per person)	3000
	Day — without gyms, cafeterias, or showers	15 (per person)	450
	Day — with gyms, cafeterias and showers	25 (per person)	750
	Day — with cafeteria, but without gyms or showers	20 (per person)	600
Service Stations		10 (per vehicle served)	500
Swimming pools and bathhouses		10 (per person)	300
Theaters:	Movie	5 (per seat)	300
	Drive-In	20 (per car space)	1000
Travel trailer parks — without individual water and sewer hookups		50 (per space)	300
Travel trailer parks — with individual water and sewer hookups		100 (per space)	500
Workers:	Construction — as semi-permanent camps	50 (per person)	1000
	Day — at schools and offices	15 (per shift)	150

* Except as otherwise provided in these rules.

TABLE 3
OAR 340-071-0220

SLOPE, EFFECTIVE SOIL DEPTH RELATIONSHIP



* When slope exceeds 30 percent, rules on steep slope systems apply. (Refer to OAR 340-71-0310.)

TABLE 4
OAR 340-071-0220

Minimum length of absorption trench (linear feet) required per 150 gallons projected daily sewage flow determined from soil texture versus effective soil depth.			
Effective Soil Depth	Soil Group		
	A	B	C
18" to Less than 24"	125	150	175
24" to Less than 36"	100	125	150
36" to Less than 48	75	100	125
48" or more	50	75	125

* Soil Group A — Sand, Loamy Sand, Sandy Loam.
 Soil Group B — Sandy Clay Loam, Loam, Silt Loam, Silt, Clay Loam.
 Soil Group C — Silty Clay Loam, Sandy Clay, Silty Clay, Clay.
 * If sand grains are fine or very fine, site according to Group B soils.

TABLE 5
OAR 340-071-0220

Minimum length of absorption trench (linear feet) required per 150 gallons projected daily sewage flow determined from soil texture versus depth to temporary groundwater.			
Depth to Temporary Groundwater	Soil Group		
	A	B	C
24" to Less than 48"	100	125	150
48" or More	50	75	125

* Soil Group A — Sand, Loamy Sand, Sandy Loam.
 Soil Group B — Sandy Clay Loam, Loam, Silt Loam, Silt, Clay Loam.
 Soil Group C — Silty Clay Loam, Sandy Clay, Silty Clay, Clay.
 * If sand grains are fine or very fine, site according to Group B soils.

TABLE 6
OAR 340-071-0100

SOIL TEXTURAL CLASSIFICATION CHART

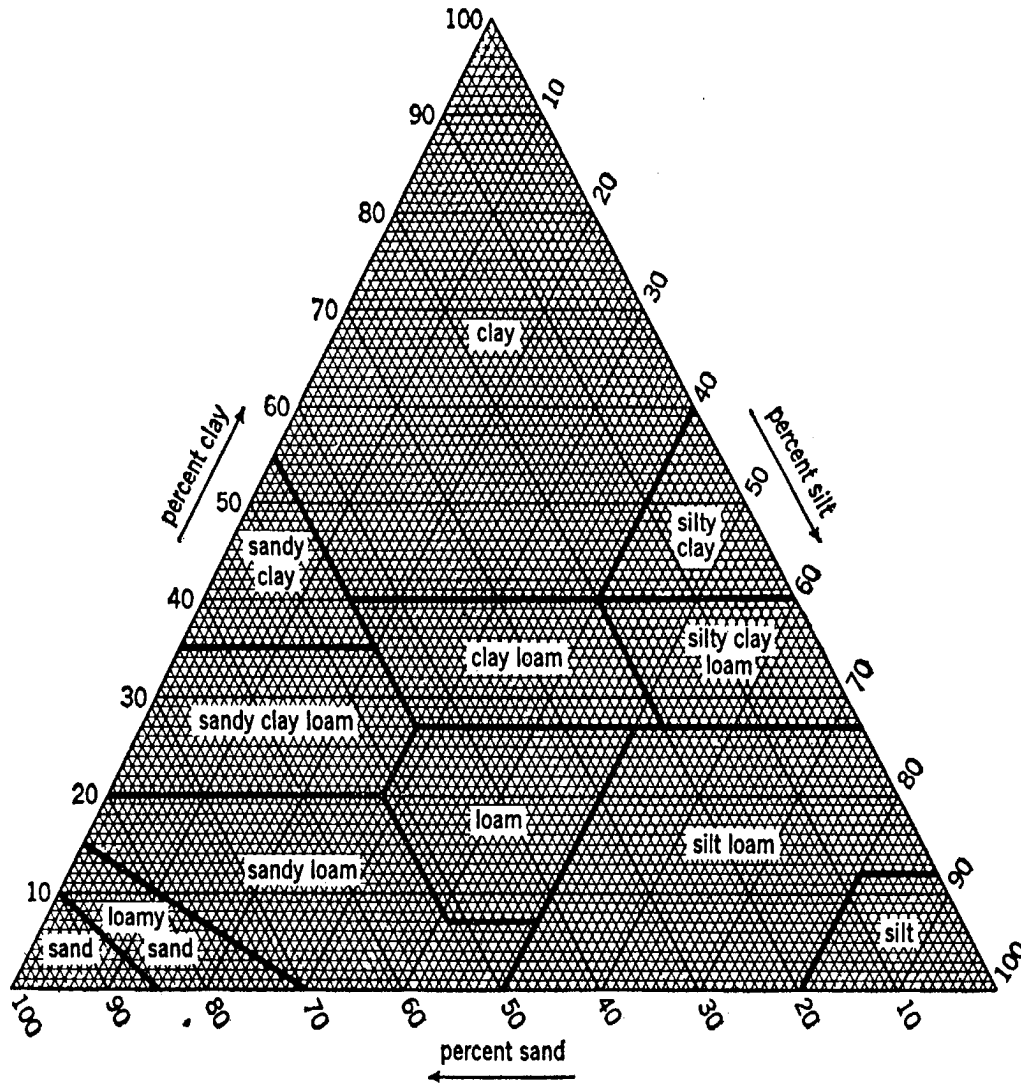


TABLE 7
OAR 340-071-0100

USDA SOIL CLASSIFICATION SIZES OF SOIL SEPARATES

	Sieve Sizes	Millimeters
Clay		.002
Silt		
	270	.050
Very Fine Sand		
	200	.075
	140	.1
Fine Sand		
	60	.25
Medium Sand		
	35	.5
Coarse Sand		
	18	1.0
Very Coarse Sand		
	10	2.0
Fine Gravel		
	4	4.75
	3/8"	9.5
Coarse Gravel	1/2	12.5
	3"	76.2
Cobbles		

**TABLE 8
OAR 340-071-0330**

**MINIMUM SEPARATION DISTANCES FOR
NONWATER-CARRIED WASTE DISPOSAL FACILITIES**

	Self-Contained Nonwater-Carried Waste Disposal	Unsealed Earth Type Privies, Gray Water Waste Disposal Sump and Seepage Chambers
Groundwater supplies including springs and cisterns	50'	100'
Surface public waters, excluding intermittent streams	50'	100'
Intermittent streams	50'	50'
Property line	25'	25'

OAR 340-071-0140 ONSITE SYSTEM FEE SCHEDULE

Table 9A: Site evaluation and existing system evaluation fees.	
New Site Evaluation fees. Fees in this section apply to each system for which site suitability is evaluated.	
Single family dwelling - First lot	\$680
Single family dwelling - Each additional lot evaluated during initial visit	\$680
Commercial facility with a design capacity of 1,000 gpd or less	\$680
Commercial facility with a design capacity of 1,001-1,500 gpd	\$856
Commercial facility with a design capacity of 1,501-2,000 gpd	\$1,032
Commercial facility with a design capacity of 2,001-2,500 gpd	\$1,208
Commercial facility with a design capacity of 2,501-3,000 gpd	\$1,384
Commercial facility with a design capacity of 3,001-3,500 gpd	\$1,560
Commercial facility with a design capacity of 3,501-4,000 gpd	\$1,736
Commercial facility with a design capacity of 4,001-4,500 gpd	\$1,912
Commercial facility with a design capacity of 4,501-5,000 gpd	\$2,088
Commercial facility with a design flow greater than 5,000 gpd	\$2,304
Site Evaluation Report Review fee	\$640
Existing System Evaluation Report fee	\$640

Table 9B: Permitting fees for systems not subject to WPCF permits. Effective January 3, 2011

		Gray water waste disposal sumps	Holding tanks	Standard subsurface, Absorption trenches in saprolite, Evapotranspiration-absorption, Redundant, Seepage trench, Steep slope	Alternative treatment technologies, Capping fill, Pressurized distribution, Tile dewatering	Recirculating gravel filter, Sand filter (commercial or residential),	Plan Review fees for commercial facility systems.
Construction-Installation Permit fees.							
For systems with a design capacity of less than 600 gpd		\$448	\$864	\$1,008	\$1,235	\$1,520	\$0
For systems with a design capacity of 600 gpd but not more than 1,000 gpd		\$448	\$864	\$1,008	\$1,235	\$1,520	\$368
For systems with a design capacity of 1,001-1,500 gpd		\$544	\$960	\$1,104	\$1,313	\$1,660	\$432
For systems with a design capacity of 1,501-2,000 gpd		\$640	\$1,056	\$1,200	\$1,391	\$1,712	\$496
For systems with a design capacity of 2,001-2,500 gpd		\$736	\$1,152	\$1,296	\$1,469	\$1,808	\$560
Reinspection fee	\$100						
Pump Evaluation fee. For all permits that specify the use of a pump or dosing siphon except for sand filter, Alternative treatment technologies, Recirculating gravel filter, and pressurized distribution systems	\$64						

Table 9C: Other permitting fees for systems not subject to WPCF permits. Effective January 3, 2011			
		Field Visit required	No Field Visit required
Minor Alteration Permit	\$264		
Major Alteration Permit	\$552		
Minor Repair Permit - Single Family Dwelling	\$256		
Major Repair Permit - Single Family Dwelling	\$535		
Minor Repair Permit - Commercial Facility	\$464		
Major Repair Permit - Commercial Facility	\$1,008 or the applicable fee in Table 9B, whichever is lower.		
Permit Denial Review	\$352		
Permit Transfer, Reinstatement, or Renewal		\$520	\$152
Authorization Notice		\$624	\$160
Authorization Notice Denial Review	\$640		
Renewal of hardship authorization for temporary dwelling		\$330	\$100
Alternative system inspection - Holding tanks	\$384		
Alternative system inspection - Other alternative systems listed in Table 9B	\$528		
Annual report evaluation - Holding tanks	\$30		
Annual report evaluation - Commercial sand filters, recirculating gravel filters, and alternative treatment technology	\$60		
Variance from onsite system rules	\$2,080		

Table 9D: WPCF permit fees.

		Application filing fee (all systems)	Permit processing fees for onsite systems with a design capacity of 1,200 gpd or less	Permit processing fees for onsite systems with a design capacity over 1,200 gpd	Plan review fee	Annual compliance determination fee
New application		\$68	\$545	\$2,723		
Permit renewal (involving request for effluent limit modifications)		\$68	\$272	\$1,362		
Permit renewal (without request for effluent limit modifications)		\$68	\$137	\$680		
Permit modification (involving increase in effluent limitations)		\$68	\$272	\$1,362		
Permit modification (not involving an increase in effluent limits)		\$68	\$204	\$680		
For commercial facilities with a design capacity less than 600 gpd					\$0	
For commercial facilities with a design capacity of 600 - 1,000 gpd					\$260	
For commercial facilities with a design capacity of 1,001 - 1,500 gpd					\$307	
For commercial facilities with a design capacity of 1,501 - 2,000 gpd					\$352	
For commercial facilities with a design capacity of 2,001 - 2,500 gpd					\$397	
For commercial facilities with a design capacity of 2,501 - 3,000 gpd					\$465	
For commercial facilities with a design capacity of 3,001 - 3,500 gpd					\$511	
For commercial facilities with a design capacity of 3,501 - 4,000 gpd					\$556	
For commercial facilities with a design capacity of 4,001 - 4,500 gpd					\$601	
For commercial facilities with a design capacity of 4,501 - 5,000 gpd					\$647	
Commercial facilities with a design capacity greater than 5,000 gpd					\$680	
Single family dwelling					\$137	
Onsite sewage lagoon with no discharge						\$817
Treatment Standard 1 or better systems with design capacities less than 2,500 gpd						\$341
Treatment Standard 1 or better systems with design capacities of 2,501 - 20,000 gpd						\$680
Holding tanks, if by the date specified by the department, the owner does not submit written certification to the department that the holding tank has been operated the previous calendar year in full compliance with the permit or that the previous year's service logs for the holding tanks are not available for inspection by the department.						\$272
Holding tanks, if by the date specified by the department, the owner submits written certification to the department that the holding tank has been operated the previous calendar year in full compliance with the permit and that the previous year's service						\$29
Other systems with design capacities less than 20,000 gpd						\$341
Other systems with design capacities greater than 20,000 gpd						\$680
Site Evaluation Confirmation	\$477					

Table 9E: Sewage Disposal Service License and Truck Inspection fees.	
New 3-year business license	\$355 per year
Renewal of business license	\$320 per year
Transfer of or amendments to license	\$200
Reinstatement of suspended license	\$250
Pumper truck inspections - First vehicle, each inspection	\$100
Pumper truck inspections - Each additional vehicle, each inspection	\$50

Table 9F: Other Fees	
Innovative or Alternative Technology or Material Review	\$1,600
Material Plan Review	\$480
Department surcharge.	\$60