

Boulder County Public Health
Onsite Wastewater Treatment System Regulations Updates - 2014

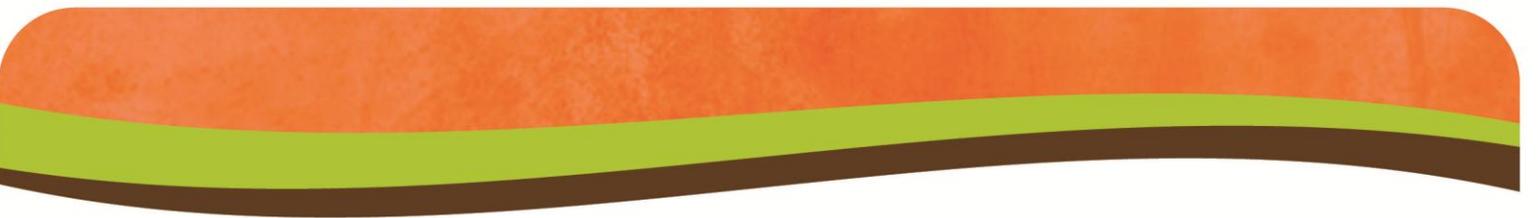
Boulder County Public Health Onsite Wastewater Treatment System Regulations Decision Points				
Topic	State Regulation	BCPH Decision	Section	Page
Permit Term	Permit expires 1 year after issuance	Permit expires 5 years after issuance	4.B.6.a	16
Process of appeal		Outlines process and chain of command in appealing a permit decision	4.B.9.a-b	17
Inspection Stages		Outlines the inspection stages of the permitting process	4.E.1-3	19
Prohibition of OWTS in Unsuitable areas		Provides the process for prohibiting OWTS in specific areas	4.K.1	22
Licensing of System Contractors and System Cleaners		Provides for the licensing of contractors and cleaners	4.L.1-13	22-24
Transfer of Title		Outlines the requirements for a transfer of title inspection	4.M.1-17	24-28
Renewable Permits	State allows for a renewable permit program	BCPH will not participate in renewable permits at this time	N/A	N/A
Variance Procedure		Outlines the variance procedure	4.O.1-2	29
Detailed Soil Evaluation	One soil profile hole can be used when percolation tests are performed	A soil profile hole may not be substituted for a soil test pit excavation when percolation tests are performed	5.D.2	34

Topic	State Regulation	BCPH Decision	Section	Page
Percolation Rate Determination and Reporting	The field percolation rate shall be the average of all percolation rates	If the percolation tests vary by more than 20 minutes per inch they must not be averaged	5.D.4.e.(7).i	37
Design Flow	Design flow may be 75 gpd or 100 gpd	Design flow is 75 gpd	6.A.2.a	41
Design Flow	Persons per bedroom can be 2 people per bedroom or 2 people per bedrooms 1-3 and 1 person per bedroom for any additional bedrooms beyond 3	Persons per bedroom are 2 per bedroom for bedrooms 1-3 and 1 person per bedroom for all additional bedrooms beyond 3	6.A.2.e	41
Bedrooms	Number of originally finished bedrooms is only area requiring flow estimates or If unfinished area is present must add 1-2 bedrooms to design flow	Number of finished bedrooms is used to determine flow estimates	6.A.2	41

Topic	State Regulation	BCPH Decision	Section	Page
Riser lids	Riser lids should be brought to grade	Riser lids should be brought above grade	8.C.3.a	52
Electrical Equipment	A local electrical permit may be required	A local electrical permit will be required	8.E.1	52
Floodplains		The OWTS must be designed by an RPE and a floodplain development permit from Boulder County Transportation is required	8.J.1	53
Abandonment of Tank	The tank may be completely removed and parts disposed of safely	After the tank is pumped it may be completely removed and the parts disposed of safely	9.C.1	57
Location of pump or siphon	The second compartment of the septic tank shall not be used as the pump tank unless it can be demonstrated that the minimum retention time will not be decreased and the pump is screened	The second compartment of the tank shall not be used as the pump tank	9.H.3.b	59

Topic	State Regulation	BCPH Decision	Section	Page
Pump or dosing system access	A riser must extend to or above grade	A riser must extend above grade	9.H.5.a	59
Effluent Screens	Effluent screens may be required in all septic tanks	Effluent screens are required in all septic tanks	9.I.1	60
Effluent screens	BCPH may require all effluent screens to be equipped with an alarm	BCPH may require an alarm to be installed on an effluent screen	9.I.4	60
Soil Treatment Area Design Criteria		<p>Added to list of RPE design required:</p> <p>Any part of existing distribution system is raised above existing grade</p> <p>The system will serve commercial, business, institutional, industrial properties, multi-family dwellings, or more than on single-family dwelling</p> <p>A lift station or sewage pumping system is required</p> <p>Open hole inspection or replacement of fill soils</p>	10.B.5-8	60-61
Calculation of infiltrative surface of soil treatment area		Specified deep gravel trenches as utilizing a depth of gravel greater than 6 inches below the distribution line	10.C.1	62

Topic	State Regulation	BCPH Decision	Section	Page
Wide Beds	Beds wider than 12ft allowed for repairs or Beds wider than 12ft allowed for repairs and new systems if higher level treatment is used	Beds wider than 12ft allowed for repairs and new systems with higher level treatment	10.I.2 and 10.E.2.h.(1)	66, 69
Distribution Lines	May be limited to 100 ft or length limited to 100ft if gravity fed or 150ft if pressure dosed or effluent applied at center of lateral or chamber	Length limited to 100ft if gravity fed or 150ft if pressure dosed or effluent applied at center of lateral or chamber	10.E.2.c	65
Inspection Ports at initial end of lateral or chamber	Required or not required	BCPH may require inspection ports at the initial end	10.E.2.f	65-66
Reductions to setbacks based on higher level treatment		Allowed	11.A.b	71
Vaults		May be Allowed	12.D.2	76
Vault Privies		May be Allowed	12.E.1.a	77
Existing Vault Privies		May be Allowed	12.E.1.b	77



Topic	State Regulation	BCPH Decision	Section	Page
Pit Privies new and existing		Prohibited	12.E.2.a-b	77
Slit Trench Latrine		Prohibited	12.G.1	79
Systems that discharge other than to a sand filter or soil treatment area		Allowed	13.H.1,2	79
Operation and Maintenance		As required for setbacks	14	84-86