

Detailed review of Colorado-required updates for Garfield County OWTS Regulation

*If you would like a full copy of the Garfield County OWTS regulation to reference the sections cited below, email us at owts@garfieldcountyco.gov

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1. **Definitions** (OWTS Regulation Section 43.3, Pages 2-16)

- Definition 5. “Auxiliary building”
- Definition 69. “Gulch Dry”
- Definition 80. “Limiting Layer”
- Definition 116. “Restrictive layer”
- Definition 163. “Water course”

2. **Additional new septic tank and pipe requirements**

- Access risers for all tanks, pits and vaults must include an interior grate or safety feature installed below the tank lid. (OWTS Regulation Section 43.8.D.4.b, Page 65)
- Schedule 40 PVC pipe must be used five feet prior to and beyond all tank inlets and outlets. (OWTS Regulation Section 43.9.D.1.d.(2), Page 73)

3. **Cleanouts must be located within 50 feet of the outside wall** (OWTS Regulation Section 43.9.E.2, Page 73)

4. **New serial distribution systems are prohibited** (OWTS Regulation Section 43.10.F.3.a, Page 92)

5. **New soil classifications and soil treatment area design requirements**

- Multiple revisions and reclassifications to the Rock Type Soils Table (OWTS Regulation Section 43.10.C Table 10-1A, Page 82)
 - New Soil Type R-3 added (OWTS Regulation Section 43.10.C Table 10-1A, Page 82)
 - Fractured Bedrock (FBR) and deteriorated Bedrock (DBR) Soil Types and tables added. (OWTS Regulation Section 43.10.C Table 10-1B & Table 10-1C, Page 85-86)
- Soil Types 4A and 5 have added size adjustment factors (OWTS Regulation Section 43.10.D Table 10-3, Page 87)
- Soil Types 4A and 5 will require effluent to be pressure dosed with a minimum of two zones. (OWTS Regulation Section 43.10.C Table 10-1 note 2, Page 80)
- Soil profile test pits must be promptly covered (OWTS Regulation Section 43.5.E.2.a, Page 42)
- Soil consistence must be evaluated via cementation class and rupture resistance as part of all soil evaluations (OWTS Regulation Section 43.5.D.2.d & Table 5-1, Page 36-37)
- Secondary sand is now the standard “imported treatment sand”. (OWTS Regulation Section 43.11.C.2.d.(2), Page 101-102)

- 6. New treatment Level TL3ND has been added** (OWTS Regulation Section 43.6.B & Table 6-3, Page 55-56)
 - Regulations for the disinfection systems required to achieve TL3ND are provided in OWTS Regulation Section 43.12.H, Page 116-118
- 7. New Final Document(s) requirements**
 - Squirrt test height must be reported in both Designer's and County's Final Documents. (OWTS Regulation Section 43.4.F.1.a, Page 23)
 - Gradation of sand media must be provided to Garfield County Public Health dated no more than 4 months prior to installation (OWTS Regulation Section 43.11.C.2.d.(3), Page 102)
- 8. Accessory Dwelling Units (ADUs) and Vacation Rental requirements have been clarified and added.**
 - Design flows may be increased by 50 Gal. per additional bed for situations with additional occupants (OWTS Regulation Section 43.6.A.2.i, Page 46)
 - ADU clarification and OWTS must be sized for proposed number of bedrooms (OWTS Regulation Section 43.6.A.2.j, Page 46)
 - Vacation home rentals added to Estimated Daily Wastewater Flow Table 6-2 (OWTS Regulation Section 43.6.A Table 6-2, Page 48-54)
- 9. Pressurize distribution requirements have seen minor updates** (OWTS Regulation Section 43.10.E.3 Page 89-91)
- 10. Sand filter allowable parameters and requirements have been updated** (OWTS Regulation Section 43.11.C Page 101-106)
- 11. Mound system requirements have seen major updates and clarifications** (OWTS Regulation Section 43.11.D Page 106-109)