

## **Soil Evaluator**

### **Select Onsite CEU Subject Matter Criteria**

- Soil Morphology: soil genesis, soil physical characteristics, clay mineralogy, and soil taxonomy classification
- Soil Chemistry
- Soil Microbiology/Biochemistry: soil microbes and wastewater treatment
- Soil Drainage: determining the hydric characteristics of soils, soil physics, soil water movement, and groundwater drainage systems
- Composition of Wastewater
- Transport of Pollutants in Soil and Water
- Conducting Detailed Soil Evaluations: describing soil characteristics, landscape analysis, and assessing environmental hazards related to soil wastewater treatment
- Fill Material Use and Considerations
- Soil Stability
- Erosion Control/Management
- Use of Internet Soils Morphology Related Resources
- Onsite Soil Treatment Systems/Technology
- Assessing Soil Application of Sewage Effluent, and Residuals/Sludge Management
- Regulations: site/soil classification, soil loading rates, and setback requirements

General CEU subject matter listed below will be accepted for any OWTS professional, but will not satisfy select criteria requirements unless it is listed with Select CEU Subject Matter.

DHSS approved continuing education units meeting any select criteria would also satisfy general CEU requirements

- Health and Safety Topics: pathogens in wastewater, health effects of exposure to wastewater, chemical hazards, confined space hazards, how to protect against health risks, trench safety and related soils issues, physical safety, electrical safety, and general first aid
- OWTS Regulations: Missouri Onsite Laws (DHSS), registration requirements and process, standards of practice, construction permit requirements/exemptions, permit application process, State Minimum Construction Standards (DHSS), Local onsite ordinances, water supply well requirements and setbacks, Missouri Residential Housing Unit Rule (DNR), land disturbance rules, transportation regulations, utility locate requirements (Missouri One Call), decentralized (OWTS and/or cluster systems) Management (EPA), Clean Water Act related to OWTS and decentralized systems, watershed protection, and groundwater protection
- Procedures for Removing an OWTS from Service

- Plant and Soil Science
- Sustainable Onsite Wastewater Treatment Options
- Water Conservation/Water Management
- OWTS Math