

Objective: The objective of this one-day workshop is to provide a review of site and soil evaluation techniques (referred to as Level 1 renewal of certification) and a review of the design, inspection, and maintenance of conventional (septic tank/ gravity flow drain field) on-site wastewater treatment systems (referred to as Level 2 renewal of certification) in support of the Utah Division of Water Quality mandatory certification program for on-site wastewater system professionals (R317-11: Certification to Design, Inspect, and Maintain Underground Wastewater Disposal Systems, or Conduct Percolation and Soil Tests for Underground Wastewater Disposal Systems). Renewal of Level 1 and 2 certification is required every three years. Updates to the Utah on-site wastewater treatment regulatory program are also discussed. The workshop includes classroom lectures and demonstrations to review soil and site evaluation techniques. Attendance at this workshop fulfills the requirement for renewal of Level 1 and 2 certifications.

The topics reviewed in the Level 1 portion of the class include: Review and Update of Utah On-Site Wastewater Program and Regulations; Fundamentals of Soil Forming Factors, Soil Profiles, and Soil Horizons; Fundamentals of Soil Color, Soil Texture, Soil Structure, and Soil Consistence; Water Flow through Soils; Treatment of Wastewater in Soils; Soil and Site Limiting Factors; Site Evaluation and Percolation Testing (Utah Regulations and Requirements).

The topics reviewed in the Level 2 portion of the class include: Wastewater Characterization; Septic Systems and the Underground Injection Control Program; Septic Systems and the Drinking Water Source Protection Program; Design, Operation, and Maintenance of Septic Tanks; Design and Maintenance of Conventional Absorption Systems: Design of Tier 1 Graywater Systems.

Resources: Regulations

Utah Administrative Code R317-4: Onsite Wastewater Systems Rule

Utah Administrative Code R317-5: Large Underground Disposal Systems

Utah Administrative Code R317-401: Graywater Systems

Trenching and Excavation Safety

(<https://www.osha.gov/sites/default/files/publications/osha2226.pdf>)