Objective:

The objective of this three-day workshop is to provide training in site and soil evaluation techniques (referred to as Level 1 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.

The workshop includes classroom lectures and demonstrations and a field session to practice techniques. At the end of the workshop, the examination for Level 1 certification is given. This examination covers soil science principles related to wastewater treatment as well as Utah regulatory requirements for site and soil evaluations.

The topics covered in the class include:

Overview 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)

Resources:

Regulations:

 Utah Administrative Code R317-4: Onsite Wastewater Systems Rule

Utah Administrative Code R317-5: Large Underground Disposal Systems

Trenching and Excavation Safety – OSHA (https://www.osha.gov/sites/default/files/publications/osha2226.pdf)