

Site & Soils Field Day

Field Day – Instructor will demonstrate all required outcomes prior to participants demonstrating to the instructor the proper processes for site and soil evaluation.

Soil evaluation identifying characteristics that affect sewage systems.

- Understand the general method of how to evaluate soil characteristics that affect water movement.
 - Excavate soil pit – depth, location (don't ruin site)
 - Available tools – soil auger, probe

- Basic knowledge of how to examine the soil profile and identify
 - Major soil structure features (why it is important is covered in soil/water)
 - Colour – mottles and gleyed soils (washed out gray) identified high water table or saturated soils (reason saturated/unsaturated flow in previous module)
 - Soil texture, make up of sand/silt/clay, don't count gravel component
 - Effect of gravel component
 - Where to take sample
 - Basic hand texturing procedures
 - Trial hand texturing
 - Lab testing availability and basic knowledge of lab testing method
 - Recognize changes in soil horizons and understand effect on sewage system design.
 - Soils logging using various soils logs

- Understand and apply the soil texture triangle.

- Able to determine effluent-loading rate for a soil texture set in the SPM.

- Know what restricting/limiting layers are and able to recognize major characteristic.

- Ability to recognize major soil characteristic and determine soil effluent loading rates or limitations.

