

SITE AND SOIL EVALUATION FOR ON-SITE SEWAGE DISPOSAL SYSTEMS

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Textbook: *MDE Site Evaluation Training Manual for Onsite Sewage Treatment and Disposal Systems* – February 1994.

Available online:

https://mde.state.md.us/programs/Water/BayRestorationFund/OnsiteDisposalSystems/Documents/Onsite%20Systems/site_evaluation_doc.pdf

Day 1

8:45-9:00	Check-In with Moderator
9:00-10:00	Site Evaluation Goals, Process and Steps; Wastewater Contaminants; Soil Treatment Zone and Treatment Mechanisms; Regulatory Definitions; Soil Concepts and Definitions; Application Submittal and Review and Preliminary Evaluation Objectives and Steps
10:00-10:15	Break
10:15-11:30	NRCS - Web Soil Survey
11:30 -12:00	Preliminary Evaluation - DNR Merlin Online; MGS and USGS Geologic Data; Groundwater Level Data; Soil Genesis and Formation, Soil Horizons and Profiles; Field Investigation Objectives and Steps,
12:00-1:00	Lunch Break
1:00-2:00	Field Investigations - Onsite Systems used in Maryland; Site Landscape Analysis and Slopes, Hydrologic Cycle and Water Budgets; Soil Descriptions, Soil Textures and Rock Fragment Contents
2:00-2:15	Break
2:15-4:00	Field Investigations - Soil Moisture and Soil Color, Redoximorphic Features, Soil Drainage Class

Day 2

8:45 – 9:00	Check-In with Moderator
9:00 – 10:00	Field Investigations -Soil Structure, Soil Consistence, Soil Hydraulic Conductivity, Limiting Zones
10:00 – 10:15	Break
10:15 – 12:00	Percolation and Single Ring Tests, Double Ring Tests, Well Permeameter and Slug Tests
12:00 – 1:00	Lunch
1:00 – 2:00	Site Suitability Assessment and Recommendations– Objectives and Steps, Using Table 6.1 from the Manual and the Tyler Table; Conventional, Alternative and Innovative Onsite Systems used in Maryland
2:00 – 2:15	Break
2:15 – 4:00	Site Suitability Assessment and Recommendations -Trench and sand design examples