

Pre-Conference 2025

Title of Session: Soils, Water Movement, Drainage Options and Professionalism in Our Industry

General CEUs: 6.0

Select: Basic: 6.0, Advanced: 6.0, Inspector: 0, OSE: 6.0

The MSO Pre-Conference will examine the various methods of soil morphology tests and site plans. The session will not only be for soil evaluators, but great for engineers, installers and regulators. Discussion will include water movement in soil, how to utilize curtain drains, and other topics. Best practices for professionals will be highlighted to show the best way to promote our industry to the public.

Time	Topic	Speaker
8:00 AM – 9:00 AM	Soil Characteristics & What to Look for on a Soil Report This section will give an overview of certain soil characteristics that play key roles in wastewater treatment. Soil texture, structure, and landscape features may be discussed.	Kerry Clark
9:00 AM – 9:30 AM	Soil Pit vs. Core vs. Auger Hole This section will describe the advantages and disadvantages of each type of soil examination technique. Proper skills and tools will be discussed along with recommendations to make the best report for the customer.	Matt Roth
9:30 AM -9:45 AM	Break	
9:45 AM – 10:45 AM	Placement of Pit, Location on Site, Site Plan Characteristics This section will discuss how the soil changes with the landscape position. Placement of the pit is important to adequately provide an accurate report for installers, engineers, and homeowners. Understanding the system design/sizing and layout will aid in placement of soil pits. Discussing what should be on a site plan for	Matt Roth & Michael Bowers
10:45 AM – 11:30 AM	Professionalism and Best Practices Conducting ourselves in a professional manner is of utmost importance when dealing with other professionals and homeowners. This section will review good communication skills with homeowners, contractors (installers), engineers, and the regulatory authorities. Best management practices will be highlighted. In addition, proper site plans will be addressed which aids all parties in understanding the placement of the system on the site.	Michael Bowers
11:30 AM – 1:00 PM	Lunch Break	
1:00 PM – 2:00 PM	Water Movement in Soils <ul style="list-style-type: none">• Feasibility of changing groundwater levels using curtain drains	Dr. Stephen Anderson – University of Missouri

	<ul style="list-style-type: none"> • Mechanics of water movement through varying soil textures 	
2:00 PM – 3:00 PM	<p>Water Movement in relation to OWTS</p> <ul style="list-style-type: none"> • Effects of slope on groundwater movement • Vertical separation and later water movement – how they relate • Water tables and redox – how do we define these? 	Dr. Stephen Anderson – University of Missouri
3:00 PM – 3:15 PM	Break	
3:15 PM – 4:15 PM	<p>Bringing it Together</p> <p>This last hour will bring together all concepts discussed throughout the day. Putting together the soil report requirements, interpreting them as an installer or regulator, and professionalism. Conducting ourselves in a professional manner at all stages reflects our business and industry to the public.</p>	Matt Roth, Michael Bowers, & Kerry Clark
Total Contact Time	6.25 Hours	