MAPSS/MSO Class Agenda

This annual class that explores soils and onsite wastewater treatment systems is being held in Franklin County, Missouri. The class will be a hybrid component this year with the classroom portion being online and the second half a field day. Attendance to both sections is required for CEUs.

DHSS General CEUs: 8.5
Select: Basic: 4, Advanced: 8.5, Inspector: 0, OSE: 5, Perc Tester: 0

Online Classroom Agenda (Webinar)
Date: September 14, 2022 from 1:00 PM – 3:30 PM
Total of 2.75 Contact Hours for online education

1 hour – Site Interpretation for Missouri Web Soil Survey by Mark Abney, USDA-NRCS
Description: How to use Web Soil Survey, looking for soil types, how to navigate and use the tool; Soil Web will be discussed too.

1.25 hours – O&M Topic – Matt Rousseau, TG Rankin
Description: This 1.25 hour session will cover components of drip systems for onsite wastewater treatment. Drip systems pumps, time dose panels and field accessories will be explored. Finally, the speaker will discuss a little bit of installation, start-up of the system, maintenance tips and repair.

30 minutes - Before or After the Webinar – Watch Video and take quiz - See link on webpage

Field Day – Total of 5.75 Contact Hours
Date: September 16, 2022
Start Time: 8:30 AM
We will be looking at 2-3 soil pits and describing the soil characteristics at each site. Discussions will cover suitability for types of wastewater treatment systems and loading rates for soils. In addition, we have a special speaker to discuss control panels and pumps. Lunch will be provided on this day. More details will be emailed out to each participant after they register.

8:30 AM (0.75 hour)– Welcome and split into groups; Examine 1st soil pit

9:15 AM (0.75 hour)– Examine 2nd soil pit

10:00 AM (0.75 hour) – Examine 3rd soil pit

10:45 AM (1.5 hour) – Control Panel demonstration and troubleshooting –

12:15 PM – Lunch (provided)

1:00 PM – 3:00 PM
Vandevanter Engineering, Zach Porter
Itinerary:

- Basic Components of a Grinder Pump Station
- Parts of a Pump
- Parts of a Panel
- Equipment Necessary for Troubleshooting & How to Use It
- Schematics Reading
- Control Panel Troubleshooting (hands on with training panels)

Mark Abney
Assistant State Soil Scientist for Missouri under NRCS-USDA. Soil Scientist for 34 years in Missouri.

Matt Rousseau
Matt Rousseau has over 25 years of experience in the on-site wastewater industry. Graduating with a Bachelor of Science degree in Wildlife Conservation and Land Management from (Southwest) Missouri State University, he emphasized in Soil Science. After graduating, while working for SCI Engineering in St. Louis metro area he was involved with field studies for construction services, then producing wetland delineations field studies and reports. In 1998, Matt received his certification through the MO Dept. of Health and Senior Services for Certified Soil Evaluator to perform soil morphology reports for new and repair septic system evaluations. In 2001, Matt started MR Soil Consulting, continuing to perform soil evaluations and soils related preliminary development and construction reports for local and state permits. During that time, Matt also received his certification as a Basic and Advanced Septic Installer and Septic Inspector. In late 2014, Matt decided to take the opportunity to work for T.G. Rankin Company, becoming an outside sales representative for plumbing and on-site septic wastewater products. Currently as a sales rep. covering Eastern MO and Southern IL territories, Matt manages many plumbing wholesale and OEM accounts, while keeping his Soil Evaluator and Advanced Installers certifications current.

Zach Porter
Vandevanter Engineering
Mechanical Engineering, BSME From University of Missouri - Columbia (Mizzou)
In the industry and with Vandevanter Engineering since 2017
Experience
Various pump type startups and pre-startup checklist review
Non-Clog & Low Pressure Sewer System Design
Retrofit various types of pumps & pump stations
In Field troubleshooting (Electrical & Mechanical)
Project management for Municipal, Residential & USACE/ Levee Districts