Class in Hannibal – February 25, 2026

DHSS General CEUS: 7.0

Select: Basic: 6.5, Advanced: 6.5, Inspector: 0, OSE: 0

8:00 AM **Registration opens**

8:30 AM **Concrete Tank and Poly Tank Setting (1.5 hours)**

Jay Julien, Stewart Concrete & Curtis Cluckey, Infiltrator Water Technologies

Setting tanks well is an important part of our jobs. These two speakers will discuss the challenges in setting concrete and poly tanks. They will also give best practices for getting ready for the off-loading of a tank when the truck arrives as well as anchoring poly-tanks.

10:00 AM **Break**

10:15 AM **Float and Control Panel Differences, Matt Rousseau, TG Rankin (1.5 hours)**

Going over the different types and styles of control panels and floats. Showing difference between control floats and pump floats. Covering the different components in a control panel for both Simplex and Duplex systems. Showing different float tree configurations, and the difference between 2, 3, and 4 float systems as required for simplex and duplex applications.

At the end of session will have a short discussion on troubleshooting some common control panels and float issues.

11:45 AM **Lunch Break**

12:45 PM **Choosing the right pump for the application and pump sizing – Matt Rousseau, TG Rankin (1.5 hours)**

The difference between Sump, Sewage, Effluent, and Grinder pumps. Going over the SSPMA (Sump and Sewage Pumps Manufacturing Association) information on sizing a pump for the right application. Discussion on what information is needed to size a pump system, explaining the concept of friction loss in different diameter pipes and determining TDH (total dynamic head) based upon static head and friction loss. Reviewing pump curves, reviewing the filters and screens typically used in pump applications.

2:15 PM **Break**

2:30 PM **Lagoons – Rachelle Kuster (2 Hours)**

This presentation provides a practical overview of lagoon systems for onsite wastewater treatment, through each critical phase of development and operation. Beginning with

lagoon design, highlighting essential factors such as sizing, soil suitability and site selection to ensure effective treatment or limitations. The installation will cover construction including excavation, sloping and structural considerations for long-term reliability. Pumping design is then addressed, focusing on pump types, tanks, and control to maintain system efficiency. Final design will go over routine maintenance, regulatory compliance, and final touches such as fencing. This presentation should equip attendees with the knowledge to interpret lagoon designs, implement and construct a successful lagoon.

4:30 PM **Questions & Wrap-Up (0.5 hour)**