

Pump Workshop Agenda

June 11, 2025

- 8:30 to 9:00 Brief Overview of Pump Systems
Patrick Eaton, Durham County
- When pumps are required by rule
 - Pump System Anatomy (from pump tank on)
- 9:00 to 10:00 Pump Design Examples
Trish Angoli NC DHHS OSWP
- How to design a pump system
 - Design pump to pressure manifold
 - Air release valves
 - When is a PE needed
 - Total Dynamic Head
 - Changes to design during installation inspection
- 10:00 to 10:15 Break
- 10:15 to 11:45 Field Exercise - Tying It All Together
- Field Layouts (TDH) – **Ryan Langley, Alamance County & Bailey Stiles, Wake County**
 - Pump Tank – **Trish Angoli, NCDHHS OSWP and Adam Currin, Wake County**
 - Control Panel Shelter – **Jay Adcock, Adcock Excavating and Scott Greene, NC DHHS OSWP**
 - Flow Rates from Manifolds/Mani-tees—**Erik Severson, NCSU & John Kase**
- 11:45 to 12:30 Lunch to be Provided
- 12:30 to 2:00 Field Stations
- Float Tree Set-Up – **Ryan Langley**
 - Control Panel Set-Up – **Adam Currin**
 - Building Pressure Manifolds – **Greg Batchelor, Quality Septic**
 - Drawdown Test – **Sloan Griffin, Infiltrator Water Systems**
- 2:00-2:30
construction) When Do You Need a Pump? (site conditions and impacts of building
- **Scott Greene**
- 2:30-2:45 Break
- 2:45-3:15 Common Problems with Pump Systems
- **Sloan Griffin**
- 3:15-3:45 Pressure Manifold Design – (navigating the tap chart)

- ***Kent Keeter, Pitt County***

3:45-4:30

Pump System Troubleshooting

- ***John Kase, Patrick Eaton, Trish Angoli, and Scott Greene***

4:30

Dismissal

