

Pump Workshop Agenda  
June 26, 2024

- 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 (break into three groups)- 30 minutes each
- Field Layouts (TDH) - **Adam Currin and Gary Morehouse, Wake County**
  - Pump Tank - **Trish Angoli, NCDHHS and Ryan Langley, Alamance County**
  - Control Panel Shelter - **Jay Adcock, Adcock Excavating and Scott Greene, NC DHHS**
- 11:45 to 12:30      Lunch to be Provided
- 12:30 to 1:30      Stations
- Float Tree Set-Up - **Ryan Langley**
  - Control Panel Set-Up - **Jay Adcock**
  - Parts and Pieces - Manifold, Mani-tee- **Patrick Eaton**
  - Drawdown Test - **Sloan Griffin, Infiltrator Water Systems**
- 1:30 to 2:00      Pump System O&M Inspections  
- **John Davis, Orange County**
- 2:00-2:15      Break
- 2:15-2:45      Common Problems with Pump Systems  
- **Sloan Griffin and Adam Currin**
- 2:45-3:15      Pressure Manifold Design - (navigating the tap chart)  
- **Gary Morehouse**
- 3:15 to 4:00      Pump System Troubleshooting  
- **John Kase, Patrick Eaton, Trish Angoli, and Scott Greene**
- 4:00      Dismissal