Wastewater Operations: Wastewater Analysis for Disinfection & Nutrients

October 15, 2024 ~ WRWA Technology Center, 351 Water Way, Plover, WI 54467
(6 Wastewater Credits)

The room will open at 7:30 AM with the class starting promptly at 8:00 am. The class will end at 3:00 pm.

AGENDA

- Sampling
- Introduction to Colorimetry & Spectrophotometry
- Lab – Set Up Total Phosphorus Digestion
- Creating a user program on the Hach DR3900/DR1900
- Introduction to Phosphorus in WW
- On-going LOD study overview
- Lab – Orthophosphate Analysis with TNT+/DR900
- Lab – Total Phosphorous in WW
- Lab – D.O. Calibration/HQ30D
- Lunch
- WDNR Laboratory Accreditation Update
- Lab – Analysis of Total Nitrogen, Ammonia and Nitrate
- Wastewater Disinfection
- Lab – ULR Chlorine in Wastewater

Instructors: Brenda Staudenmaier & Brooke Klingbeil *Wisconsin Rural Water Association &* Shawn Buettner *Hach*

This workshop is designed as an introduction to wastewater disinfection and nutrient management. The test methods used to monitor and control nutrient removal (i.e., nitrogen and phosphorus) in biological wastewater treatment systems are covered. Test methods in this course include total nitrogen, ammonia, nitrate, dissolved oxygen, total phosphorus, orthophosphate and ULR chlorine. Sampling and variable process instruments are also discussed. Course objectives will be met through technical presentations and hands-on labs using portable and benchtop laboratory instruments. Students will analyze samples of known and unknown values.

Pre-Registration is required for this class.
Complete the form below and return to WRWA

____ $110 per Member ____ $140 per Non-Member

Name _____DNR Certification Number_____

System/Employer_____

Address_____

City, State _____Zip _____

Phone _____Email_____

Send payment and form to: WRWA, 350 Water Way, Plover, WI 54467

To pay by credit card: (Visa, Discover, MasterCard, E-Check, Debit Card Only) Go to http://www.wrwa.org - Must fax completed form(s) to (715) 344-5555 or email the completed form(s) to wrwa@wrwa.org

___Paid with credit card ___ Check enclosed

For more information: Phone: (715) 344-7778 Email: wrwa@wrwa.org