



Anaerobic Digester Course

December 3, 2025 – Aquafix Laboratory, 510 Charmany Drive, Madison, WI 53719
(6 Wastewater Credits)

The class will start promptly at 9:15 am. The class will end at 3:15 pm.

9:15 am – 9:30 am: *Anaerobic digester introduction* - Advantages of using anaerobic digestion, specific areas to focus on, and course overview.

9:30 am – 10:15 am: *Anaerobic digester overview* – Types of digesters, operational environmental requirements, key points on keeping methanogens happy.

10:15 am – 10:35 am: *Digester monitoring* – Looking at different process control parameters including pH, VA:ALK ratio, biogas monitoring, loading monitoring, and other helpful data.

10:35 am – 11:00 am: *Sampling procedures* – Where, when, and how to sample your digester.

11:00 am – 11:20 am: *Anaerobic digester microbes* – Looking at microorganisms inside your digester including acid formers and methane formers.

11:20 am – 11:45 am: *Nutritional requirements* – Monitoring the different nutritional requirements to keep digesters functioning well.

11:45 am – 12:15 pm: *Working lunch* – We will take a look at different microbes in anaerobic digesters.

12:15 pm – 1:30 pm: *Hands on anaerobic digester lab testing* – We will perform VA:ALK testing, biomethane potential, specific methanogenic activity, and other helpful lab equipment.

1:30 pm – 2:00 pm: *Anaerobic upsets and recovery* – Tips and tricks for recovering after a digester upset.

2:00 pm – 3:00 pm: *Anaerobic case studies* – We will discuss specific case studies of anaerobic digester operation.

3:00 pm – 3:15 pm: *Conclusions and frequently asked questions*

Course Instructors: Saylor, Dan McKeaton, Deborah Lee – *Aquafix, Inc.* (WRWA Associate Member)

Complete the form below and return to WISCONSIN RURAL WATER ASSOCIATION

_____ **December 3, 2025** – Madison

____ No Fee

Name _____ DNR Certification Number: _____

System/Employer _____

Address _____

City, State _____ Zip _____

Phone _____ Email _____

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

Go to www.wrwa.org - Fax completed form(s) to (715) 344-5555 or email the completed form(s) to wrwa@wrwa.org.

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