

Calendar of Events

October 8, 2025
- October 9, 2025

Wastewater Microbiology Workshop
Woodland Park (Sycamore Room)
2100 Willowcreek Road
Portage, IN 46368
08:00 AM - 03:00 PM CST
Wastewater Microbiology & Process Control Series

October 8 and 9, sessions from 8 a.m. – 3 p.m. each day
Woodland Park (Sycamore Room)
2100 Willowcreek Road,
Portage, IN 46368

Register here

The wastewater treatment process is a biological process. The microorganisms are responsible for removing most of the organic pollutants from the wastewater therefore it is important to understand the conditions that allow them to do their best work and to do our best to create those conditions. The objective of this class is to teach the operators, lab personnel and consultants how using the microscope and knowledge of wastewater microbiology can be an additional tool to help optimize and troubleshoot wastewater treatment plant processes.

The following subjects will be covered over a 2 day period:

Wastewater Microbiology & Process Control

The participants will learn the role of bacteria, protozoa and metazoa in the treatment process along with the conditions that allow them to do their best work of removing nutrients from the wastewater. The participant will also learn how to anticipate potential treatment system upsets and to troubleshoot and correct existing treatment system problems. Participants will learn simple tools, and simple procedures for routinely monitoring wastewater treatment processes. Includes materials and standard operating procedures.

Identification and Control of Filamentous Bacteria

The participants will learn a simplified method to identify filamentous bacteria, determine the conditions that favor their growth and methods to control and eliminate bulking and foaming caused by these microorganisms.

Microbiological Monitoring Biological Nutrient Removal Systems

Participants will gain an understanding the role and requirements for biological phosphorus and ammonia removal processes as well as methods to monitor the system microbiology.

This is a hands on workshop and you will need to bring your own microscope. Bring a sample from your facility and learn to identify your microbiology!

Instructor/Presenter: Toni Glymph-Martin, Environmental Microbiologist with Wastewater Microbiology Solutions LLC

Toni Glymph-Martin has considerable knowledge of the principles, practices and procedures of environmental science as it relates to water quality monitoring and regulations; water and wastewater treatment; and environmental research. She has spent 27 years of her career working in public utilities and have worked 15 years as an environmental regulator. Her experience provides her with a unique perspective and a thorough understanding of the issues and challenges of both the regulated community and regulating agencies. She has more than 43 years of water quality related experience.

Currently, she work as a Environmental Microbiologist and Consultant with Wastewater Microbiology Solutions. She has provided technical assistance, consulting services and microscopic evaluations for more than 30 Industries and 80 municipalities. In addition, she is a certified operator with more than 12 years of actual hands on experience in operations.

*Members \$280, non-members \$330
12 CEUs/PDHs for attending both days*

Register here

October 10, 2025

Illinois MS4 Implementation Workshop (10/10)

IWEA

09:00 AM - 03:30 PM CST

Illinois MS4 Implementation Workshop

Friday October 10, from 9 a.m. to 3:30 p.m.

Lake County Central Permit Facility, 500 W Winchester Rd, Libertyville

Registration and continental breakfast begins at 8 a.m. Workshops kick off at 9 a.m.

Early Bird Costs: \$85 Member / \$100 Non-member

Registration Costs: \$110 Member / \$125 Non-member

IWEA is having two Illinois MS4 Implementation Workshops in October. The new Illinois Municipal Separate Storm Sewer System (MS4) Permit has been issued by Illinois EPA and became effective August 1, 2025. Permittees must update their Stormwater Management Program documentation with the new requirements and begin implementing them within 12 months.

There have been significant changes and additions from the previous permit requirements, including but not limited to:

Public Education and Outreach - Develop target audience(s) and create educational materials based on at least three targeted residential and three targeted industrial / commercial pollution issues.

Public Involvement and Participation - Identify any watershed workgroups within jurisdiction and participate. Now must join a workgroup if winter deicing activities are performed.

Illicit Discharge Detection and Elimination - New requirements for storm sewer system mapping, written procedures for detecting and responding to illicit discharges, and notification requirements for discharges.

Construction Site Storm Water Runoff Control - Maintain an inventory of all active one-acre public and private construction sites and inspect them at least once prior to land disturbance and once during construction activities.

Post Construction Storm Water Management - New requirements for annual training, evaluating post construction BMPs implemented, and determining the percent reduction in storm water runoff and pollutants from BMPs.

Pollution Prevention for Municipal Operations - Additional requirements for catch basin cleaning, street sweeping, and landscape maintenance activities. New requirements for inventorying municipally owned and operated facilities and performing quarterly pollution prevention inspections at each facility during wet weather and dry weather.

Permittees will need to begin tracking additional information each year to meet the new annual reporting requirements of the MS4 Permit.

Dan Bounds, PE, Baxter & Woodman will facilitate the workshops, presenting the new MS4 permit changes and leading discussion on the goals, intent, and interpretation of the new requirements. Staff from Illinois EPA, county stormwater agencies, local watershed groups, and local municipalities will be in attendance to discuss the new requirements and develop ideas, approaches, and consensus for implementation.

Registration and attendance is limited to the seating capacity of each Workshop venue.

Workshop Agenda:

9 a.m. - Welcome and Introduction – Dan Bounds, PE – Baxter & Woodman

9:15 a.m. - New MS4 Permit Requirements

Permit Eligibility
Notice of Intent
Electronic Reporting Rule
Special Conditions

9:30 a.m. - *Changes to Six Minimum Controls*

Public Education and Outreach on Storm Water Impacts
Public Involvement / Participation
Illicit Discharge Detection and Elimination

11:45 a.m. - *Lunch Break*

12:30 p.m. - *Changes to Six Minimum Controls*

Construction Site Storm Water Runoff Control
Post-Construction Storm Water Management in New Development and Redevelopment
Pollution Prevention/Good Housekeeping for Municipal Operations

2:45 p.m. - *MS4 Program Management*

Monitoring Requirements
MS4 Recordkeeping / Reporting

3:30 p.m. - *Seminar Wrap Up*

Early Bird Costs: \$85 Member / \$100 Non-member
Registration Costs: \$110 Member / \$125 Non-member
Hosted by IWEA's Watershed Management Committee

October 13, 2025

Columbus Day

IWEA

12:00 AM - 11:45 PM CST

October 17, 2025

Illinois MS4 Implementation Workshop (10/17)

Village of New Lenox Public Works

2401 Ellis Drive

New Lenox, IL

09:00 AM - 03:30 PM CST

Illinois MS4 Implementation Workshop

Friday October 17, from 9 a.m. to 3:30 p.m.

Village of New Lenox Public Works, 2401 Ellis Drive, New Lenox ?

Registration and continental breakfast begins at 8 a.m. Workshops kick off at 9 a.m.

Early Bird Costs: \$85 Member / \$100 Non-member

Registration Costs: \$110 Member / \$125 Non-member

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Hosted by IWEA's Watershed Management Committee

November 5, 2025

2025 Collection Systems Seminar and Exposition

Embassy Suites Naperville

1823 Abriter Ct

Naperville, IL 60563

07:30 AM - 01:30 PM CST

Daniel G. Bounds,

DBounds@baxterwoodman.com

The IWEA Collection Systems Seminar and Exposition is dedicated to advancing the practical knowledge of the men and women who work in the wastewater collection systems of Illinois. Please join us for this fun and informative event!

November 11, 2025

Veteran's Day

IWEA

12:00 AM - 11:45 PM CST

November 13, 2025

Diversity, Equity & Inclusion Committee Webinar on Leadership: Shifting Behaviors and Confronting Unconscious Bias
<https://us06web.zoom.us/j/84111445569>

12:00 PM - 01:00 PM CST

Leadership: Shifting Behaviors and Confronting Unconscious Bias

Thursday November 13, 2025

Noon to 1 p.m.

Zoom Webinar

This webinar explores how unconscious bias shapes management decisions, including hiring practices, and offers actionable strategies for leaders to identify, reduce, and address bias to foster a more equitable workplace.

About the speaker: Catharine Richardson, PE, Program Manager, TYLin, was named the 2025 Water Professional of the Year by the Illinois Section AWWA. Having degrees in both Communications and Engineering, she brings a unique experience to the management of infrastructure programs and projects. With 18 years of experience, Katie brings program management experience on major programs that have included significant public outreach including the development of inventory outreach programs. She served as Program Manager for the historic Great Water Alliance for the Waukesha Water Utility. As the Program Manager, she is leading the program team in implementation of the delivery of a new water supply system with a return flow system to the Great Lakes Basin. She also brings experience with the compilation of rate studies, developing funding strategies, permitting of large and unique programs, and preparing detailed design drawings for conveyance and distribution systems. Katie is also the Chair of AWWA's Water Equation committee which focuses on raising funds to support workforce development initiatives in the water industry as well as community engineering corps projects in underserved areas in the United States.

Hosted by IWEA's Diversity, Equity & Inclusion Committee

There is no charge for this webinar.

1PDH/TCH

Zoom webinar link will be forwarded by separate email the morning of November 13.

November 14, 2025

Plant Tour: Fox River Water Reclamation District

Fox River Water Reclamation District

1957 N La Fox St

South Elgin, IL 60177

11:00 AM - 01:00 PM CST

FRWRD Plant Tour

Friday November 14, from 11 a.m. to 1 p.m.

Lake County Central Permit Facility, 500 W Winchester Rd, Libertyville

The tour of Fox River Water Reclamation District (FRWRD) will highlight two technologies: the Algae Wheel pilot program and the MagPrex® system.

Algae Wheel Pilot Program: This rotating algal contactor uses sunlight, CO₂, and nutrients to grow algae and bacteria in a balanced, self-sustaining cycle. Algae convert CO₂ into oxygen and sugars, while bacteria consume those sugars and release CO₂ back to the algae, enhancing BOD reduction and ammonia removal through nitrification. The algae then uptakes the resulting nitrates and dissolved phosphorus, improving effluent quality for both nitrogen and phosphorus while reducing energy use and carbon emissions—without adding operational complexity.

MagPrex® Phosphorus Precipitation System: Installed between anaerobic digestion and dewatering, this process removes soluble reactive phosphorus by precipitating it as struvite, a magnesium-ammonia-phosphate compound (NH₄MgPO₄·6H₂O). The MagPrex® process can achieve this precipitation through the addition of Magnesium chloride and diffused air strips CO₂ to raise pH to the ideal level for struvite formation. The struvite is then separated and removed, preventing phosphorus from recycling back into the treatment process and reducing scaling in downstream equipment and piping.

This tour will provide an up-close look at how FRWRD is advancing sustainable, energy-efficient nutrient management.

Lunch will be provided following the tour

Members \$30 / Non-Members \$40

Hosted by IWEA's Research and Innovation Committee

November 27, 2025

Thanksgiving

IWEA

12:00 AM - 11:45 PM CST

December 3, 2025

Laboratory Committee Webinar: Automating the Alkalinity, Ammonia, pH, and TKN Test Methods

Zoom

12:00 PM - 01:00 PM CST

Keith Richard,

keithr@sddcleanwater.org

Automating the Alkalinity, Ammonia, pH, and TKN Test Methods

Wednesday, December 3, 2025

Noon to 1 p.m.

Zoom Webinar

Lab automation can significantly enhance sample throughput in the lab while maintaining data integrity and quality. Automation also can optimize the workload on lab personnel. Join Sam Youssef, Laboratory Manager, Fox River Water Reclamation District, as he shares insights on the state-of-the-art instruments currently being used in his lab to automate the testing of alkalinity, ammonia, pH, and TKN.

Hosted by IWEA's Laboratory Committee

Registration Members \$20 / Non-Members \$30

1 PDH/TCH

Zoom webinar link will be forwarded by separate email the morning of December 3.

December 18, 2025

Students and Young Professionals Committee Webinar

IWEA

12:00 PM - 01:00 PM CST

December 25, 2025

Christmas

IWEA

12:00 AM - 11:45 PM CST

Widely celebrated around the world....

January 1, 2026

New Year's Day

IWEA

12:00 AM - 11:45 PM CST

January 19, 2026

Martin Luther King Day

IWEA

12:00 AM - 11:45 PM CST

February 16, 2026

President's Day

IWEA

12:00 AM - 11:45 PM CST

March 10, 2026

- March 12, 2026

IAWA Mini-Conference

IWEA

08:00 AM - 05:00 PM CST

See Illinois Association of Wastewater Agencies :: Home (ilwastewater.org) for more information.

March 30, 2026 - April 2, 2026	Illinois Wastewater Professionals Conference Embassy Suites Hotel & Conference Center 100 Conference Center Drive Peoria, IL 61611 09:00 AM - 05:00 PM CST Ann Davidson, (773) 529-1212 execmgr@iweasite.org <i>The Illinois Wastewater Professionals Conference is the largest annual wastewater and water reuse conference in Illinois. The program focuses on all aspects of water, except drinking.</i>
April 5, 2026	Easter IWEA 12:00 AM - 11:45 PM CST
May 25, 2026	Memorial Day IWEA 12:00 AM - 11:45 PM CST
June 9, 2026	23rd Annual IWEA Golf Outing Silver Lake Country Club 10:00 AM - 04:00 PM CST Doug Armstrong, darmstrong@addison-il.org SAVE THE DATE <i>The 23rd Annual IWEA Golf Outing will be on Tuesday, June 9, 2026 at Silver Lake Country Club in Orland Park. This event is the major fundraiser of the year for the IWEA Scholarship and Charitable Giving Fund.</i> <i>This event is an excellent opportunity for members to get together and for businesses to market their company through hole sponsorship, interact with other professionals and meet potential clients.</i> <i>Learn more about IWEA Scholarship Programs here.</i>
July 4, 2026	4th of July IWEA 12:00 AM - 11:45 PM CST
September 7, 2026	Labor Day IWEA 12:00 AM - 11:45 PM CST
September 26, 2026 - September 30, 2026	WEFTEC 2026 New Orleans IWEA 08:00 AM - 05:00 PM CST
October 12, 2026	Columbus Day IWEA 12:00 AM - 11:45 PM CST

November 11, 2026	Veteran's Day IWEA 12:00 AM - 11:45 PM CST
November 26, 2026	Thanksgiving IWEA 12:00 AM - 11:45 PM CST
December 25, 2026	Christmas IWEA 12:00 AM - 11:45 PM CST <i>Widely celebrated around the world....</i>