EXHIBITOR

Technology Spotlight Call for Content

Gain additional exposure for your company while helping us educate WEFTEC attendees on the exhibit floor!

Our **Technology Spotlights** offer exhibitors the opportunity to present technical information on the exhibit floor. During the technology spotlight, WEF will bring attendees to selected booths for presentations focused on specific topics by exhibitor experts. Any exhibitors who can address the subject matter and meet the learning objectives of the topics presented in this call are welcome to submit an abstract.

Please read through this document carefully and completely. In the following pages you will find the Submission Topics, our Selection Criteria, and How to Submit.

The Technology Spotlight Call for Content will close on May 17 at 11:59 PM Eastern. After closing, all submissions will be reviewed by select members of the WEFTEC Program Committee. Exhibitors will be notified of acceptance in early summer.

The link to submit can be found in the How to Submit section.

2026 SUBMISSION TOPICS

Topic	Description	Learning Objectives
Transforming Solids Management: Thickening and Dewatering Innovations	Effective thickening and dewatering processes are critical to optimizing solids handling performance, controlling operating costs, and improving overall treatment reliability. This spotlight highlights emerging technologies and evolving approaches reshaping how facilities manage solids. From improved equipment design to process optimization and smarter technology selection, these innovations enhance solids capture, reduce polymer and power demands, and support more resilient treatment facilities. This session is designed for engineers, operators, and decision-makers seeking practical perspectives on selecting and implementing thickening and dewatering technologies that deliver measurable value and long-term operational benefits	1. Assess the role of modern thickening and dewatering technologies in improving solids handling performance, controlling operating costs, and enhancing overall treatment reliability. 2. Identify key technological and process innovations including equipment design improvements, process optimization strategies, and technology selection considerations 3. Compare various thickening and dewatering technologies based on performance, operational, and cost considerations.
The Value of Level Only Sensors in Identifying I&I Sources	Level only sensors are generally less expensive, easier to maintain, and perform at the sub catchment level than do traditional area velocity flow meters. Traditionally used for operations purposes, level-only sensors are being used innovatively to identify sources of inflow and infiltration to focus source reduction programs. This session focuses on the different ways vendors and engineers are utilizing level-only data for I&I prioritization.	1.Demonstrate the value and drawbacks of depth-velocity vs level-only data sets. 2.Compare the reliability and usability of level-only flow calculations versus depth:velocity flow calculation 3.Differentiate between qualitative and quantitative indicators of I&I, especially for defining the different sources of I&I
Collection Sewer Rehabilitation for I&I Reduction	Inflow and infiltration impacts collections systems in a wide variety of types/sources: Baseline infiltration, seasonal infiltration, rainfall induced infiltration, inflow, private-side inflow, direct connection inflow, ponding/flooding inflow, and sheet flow inflow. Sewer mains, taps, laterals, manholes, and manhole frame and covers are common pathways for these various types of I&I. This session	1.Distinguish which I&I sources are addressed by different technology types 2.Identify the key design and construction aspects that maximize I&I reductions and longevity 3.Recognize the logical combinations of rehab technologies that increase overall I&I reduction

	focuses on how key rehabilitation techniques achieve I&I reduction.	
Disinfection Technologies on Display: Insights and Exhibit Tour	This mobile session introduces common wastewater disinfection technologies. It begins with a brief summary of the results of WEF's recent survey on current disinfection practices, emerging trends, costs, and technology adoption. Participants will then tour the exhibit floor with short stops at selected booths representing major disinfection approaches used in the industry, including ozone disinfection, UV disinfections systems, peracetic acid, performic acid, and on-site hypochlorite generation. Each stop will provide a concise overview of how the technology works, where it is most commonly applied, and key implementation considerations.	1. Summarize current trends in wastewater disinfection practices based on results from a nationwide utility survey. 2. Compare major wastewater disinfection technologies, including UV, peracetic acid, performic acid, and on-site hypochlorite generation. 3. Identify key operational and implementation considerations when evaluating disinfection technologies for wastewater facilities.
UV Technology Updates – Conventional, UVC-LED, and UV-Advanced Oxidation	Join a walking tour of UV technologies in the Exhibit Hall to see the latest developments in UV technologies. We will learn about new features of UV reactors using conventional lamps for disinfection and compare these to new reactors using UV-LED light sources. We will also learn how closed-vessel UV reactors support contaminant removal with UV-Advanced Oxidation processes.	1. Identify new features of conventional-lamp UV disinfection reactors 2. Describe currently-available UVC-LED reactors for disinfection 3. Explain how UV technologies support water contaminant removal with UV-Advanced Oxidation processes
Disinfect Efficiently and Effectively: Chemical Feed Technologies	Join us on a guided tour of selected technology providers to highlight the key considerations of chemical metering and mixing technologies for disinfection systems. We will review factors influencing technology selection including an overview of disinfection chemistry, ease of implementation and maintenance, and chemical dispersion for efficient disinfection.	1. Recognize the key parameters that lead to effective and efficient chemical dosing. 2. Assess the advantages and disadvantages of different chemical feed technologies, including dosing, metering, and mixing. 3. Develop awareness of the array of features and operational limitations of equipment offered by various providers.
A Guided Tour of PFAS Liquid Treatment Technologies	Join us in the exhibit hall for a guided tour of PFAS removal technologies for wastewater. Explore technologies such as electrochemical oxidation, adsorption, and more. Engage in interactive discussions with technology providers and leave with an understanding of these cutting-edge technologies.	1. At the conclusion of this activity, participants will be able to describe different PFAS removal processes such as adsorption, filtration, and electrochemical oxidation 2. At the conclusion of this activity, participants will be able to describe how PFAS treatment technologies may be implemented 3. At the conclusion of this activity,

		participants will be able to recognize drivers for the specific PFAS treatment solutions
Dive Into PFAS Foam Fractionation Technologies	Join us in the exhibit hall for a guided tour of the different foam fractionation systems available today for the removal of PFAS in wastewater. Engage in interactive discussions with technology providers and leave with a good understanding of the differences and/or similarities between the different providers of this cutting-edge technology.	1. At the conclusion of this activity, participants will be able to describe how foam fractionation works 2. At the conclusion of this activity, participants will be able to identify foam fractionation technology providers and their capabilities 3. At the conclusion of this activity, participants will be able to recognize drivers for the selection of foam fractionation solutions
Disinfect with Confidence: Online Monitoring for Disinfection Processes	Join us on the exhibit floor for a guided tour of the latest disinfection online sensors and analyzers. Explore the latest options for measuring residual disinfectants, residual sulfite, and UVT. Engage in interactive discussions with technology providers as they offer their perspective on implementing these valuable tools.	1. At the conclusion of this activity, participants will be able to distinguish between online sensors and analyzers used to support disinfection. 2. At the conclusion of this activity, participants will be able to describe the principles of operation for each type of sensor and analyzer. 3. At the conclusion of this activity, participants will be able to identify potential applications for each type of disinfection sensor and analyzer based on their unique strengths and limitations in disinfection applications.
Aeration Diffusers	Join the dream team of aeration experts and see the latest and greatest diffuser technologies being presented. The discussion includes diffuser performance over time, recommendations for/against applications, and maintenance practices.	1. Compare quantitatively the different performance metrics of various diffusers 2. Quantify maintenance/replacement schedules 3. Identify ranges of applicability
BNR Optimization: Applying Sensors and Analyzers	The use of sensors for process monitoring and control is becoming increasingly common at BNR facilities. Attendees will be taken to various manufacturers that supply sensors and analyzers for ammonia, nitrate, nitrite, and phosphate. Each manufacturer will discuss the real world application of their instrumentation offerings, installation requirements, and typical maintenance procedures.	1. Participants will be able to recognize and contrast the sometimes-subtle differences between manufacturers for the same parameter 2. Participants will be able to compare the application of different analytical technologies for specific sample locations 3. Participants will discover new parameters and new methodologies for optimization of nutrient removal processes
High-Rate Solids Separation	This Technology Spotlight highlights solids separation approaches that	1. Compare solids separation technologies (DAF, SAF, ballasted,

	deliver high performance in compact footprints and challenging hydraulics. Submissions are encouraged that present technology description, field data and operational experience. Technologies may include but not limited to flotation techniques such as dissolved air flotation (DAF), suspended air flotation (SAF), and also high-rate clarification including ballasted flocculation clarification, and lamella/inclined plate clarification. Topics of interest include retrofits and intensification, performance under flow/load swings, chemical conditioning and floc management, solids handling and thickening outcomes, and lessons learned from startup through steady-state operation.	lamella) and identify where each fits best based on influent characteristics, footprint, and performance targets. 2. Identify key design and operating parameters that drive separation performance (conditioning, loading, hydraulics, sludge removal) 3. Describe integration and scale-up paths including piloting/validation, retrofit strategies, and practical O&M considerations
Thermal Approaches for PFAS in Residual Streams	This Technology Spotlight focuses on thermal approaches for managing PFAS in concentrated residual streams, including biosolids, reject water, brines, and treatment concentrates generated from water and wastewater processes. Submissions are encouraged that present pilot or full-scale data, operational experience, or performance evaluations of incineration, gasification, pyrolysis, thermal drying, evaporation, and thermal oxidation systems. Topics of interest include PFAS fate across solid, liquid, and air phases; operating conditions influencing PFAS reduction or destruction; emissions and condensate management; and lessons learned related to long-term operations.	1. Describe thermal technologies applied to PFAS impacted residual streams, including solids and concentrated liquid phases. 2. Summarize observed PFAS fate based on field or pilot experience. 3. Identify key considerations for implementing thermal PFAS management strategies, including system integration, monitoring, and residuals handling.
Laboratory Operations	This Technology Spotlight will help laboratory personnel make informed equipment selections, evaluate instrumentation for laboratory and in-field analyses, and engage with emerging technologies. Attendees will be introduced to tools that can enhance efficiency within the laboratory, as well as innovative concepts and technologies that support improved accuracy and strengthened process control.	1. Select the most appropriate sampling methods to ensure representative and reliable measurements. 2. Identify and compare appropriate equipment options and instrumentation to determine their impact on accuracy, efficiency, and process control. 3. Assess laboratory equipment to determine suitability and performance.
Aeration Blowers Mobile Session	Water resource recovery facilities require high volume, low pressure air for a number of purposes including but not	1. Identify the various blower technologies available, 2. Understand the appropriate

	limited to aerated grit removal, channel aeration for mixing, aeration in aeration basins, aeration in aerobic digesters, filter backwash scour air, and membrane scour air. Different blower technologies are appropriate for different applications within the facility. Blower manufacturers will provide a review of the different technologies they provide with a discussion of their practical applications and constraints. Moderators accompanying the groups will provide additional discussion opportunities as required.	applications for the various blower technologies, and 3. Understand maintenance requirements for each blower technology.
Clarifier Mechanisms Mobile Session	Secondary clarifier operation and performance is fundamental to the vast majority of water resource recovery facilities. Several manufacturers fabricate clarifier mechanisms, but these have different features related to sludge removal, scum removal, energy dissipation and drive design. Mechanisms manufacturers will provide a review of the different features of the equipment they provide and why they are advantageous. Moderators accompanying the groups will provide additional discussion opportunities.	1. Identify the varying features of clarifier mechanisms that are available, 2. Compare design features as a means of determining advantages and disadvantages of each, and 3. Understand retrofit, operational and maintenance requirements for each clarifier mechanism.
Influent to Effluent: Wastewater Fundamentals	Learn the fundamentals of Wastewater treatment from influent to effluent with a guided fundamentals tour of the exhibit floor. This will be a high-level introduction targeted at young professionals, new to the industry professionals, city officials, and anyone interested in going back to the basics. This Technical Spotlight will allow attendees the opportunity to gain an improved understanding of treatment and equipment, while interacting directly with the equipment being discussed.	1. Summarize fundamental steps of wastewater treatment from collection to effluent, putting them in order, and identifying their purpose. 2. Identify several treatment alternatives for each key process (primary/screening, secondary, and tertiary/disinfection). 3. Identify major components of key pieces of equipment.
Grit Removal Technologies in Practice	This spotlight session examines modern grit removal technologies, emphasizing how each technology functions in practice. Attendees will gain insight into performance characteristics, design tradeoffs, and operational considerations that influence grit capture, maintenance, and overall headworks efficiency.	1. Understand key design principles for modern grit removal systems, including hydraulic control, footprint requirements, and factors influencing grit capture efficiency. 2. Identify operational considerations associated with different grit removal systems, such as performance under variable flows, maintenance needs, reliability, and impacts on

		downstream processes. 3. Evaluate grit processing and washing approaches, including organic separation, grit cleanliness, and handling requirements, and how these considerations influence overall headworks performance.
Intensification in Action: A Three-Technology Tour	This session will highlight three process-intensification technologies: MABR (membrane-aerated biofilm reactors), sludge densification, and moving/fixed-carrier biofilm systems. Exhibitors will describe the problem their technology addresses, how it achieves intensification, and key design or operational considerations. Including advantages, limitations, and real-world performance examples will help attendees understand where each approach fits best. The content will be technical, educational, and comparable across all three technologies.	1. Describe the functional principles, advantages, and limitations of three different process intensification technologies. 2. Compare performance, footprint, energy, and implementation factors across membrane, densification, and biofilm carrier approaches. 3. Identify the conditions, constraints, and plant drivers that determine which intensification strategy best meets a facility's needs.
The Planning & Design Acceleration Tour	The tour is a curated learning experience designed for engineers, utility leaders, planners, and project developers seeking to improve how wastewater infrastructure projects move from concept to implementation	1. Exposure to Planning and Decision-Support Technologies 2. Infrastructure planningBetter Methods for Evaluating Project 3. Alternatives Tools for Cost Forecasting and Capital Planning
Treatment Options for Small Systems	Highlighting secondary and tertiary treatment manufacturers that scale down to serve small systems.	1. Identify manufacturers that provide smaller-scale equipment to serve rural and small communities. 2. Recognize technological advancements within the small systems community 3. Establish contacts with suppliers that can help provide solutions to emerging issues affecting small and rural communities

HOW TO SUBMIT

To submit, visit this site: https://ww5.aievolution.com/wef/

On our submission site, you will need to submit a short abstract specific to the Technology Spotlight you are applying to addressing the following:

Standard Guidelines

- An overviewing description of the technology and/or service that will be highlighted in the Technology Spotlight
- Must be a paid exhibitor, please include your booth number as part of your application.
- How the product fits into the Technology Spotlight topic and adds value- focus on the Learning Objectives
- Product, technology, or service characteristics and uses.
- Key design issues
- Typical level of automation/operator attention required.
- Start-up and shutdown sequences (if applicable)
- Any required ancillary system

Formatting

- Abstracts should be approximately 300-500 words in length.
- Images must be uploaded separately.
- Type the presentation title, authors, and keywords into individual fields, separate from the body of the abstract.
- Copy and paste the body of your abstract into the online system.
- The online system allows for some basic formatting (bold, underline, italics) but will automatically remove formatting such as line spacing, font type and size, and margins.
- Do not attempt to copy and paste from a PDF into the system or include any headers or footers in your document.
- Do not copy and paste a sales brochure.

Content

- Clearly define the objectives, status, methodology, findings, and significance of the investigation or study related to the topic you are submitting to.
- Your abstract and presentation should not be a sales pitch of your product,but instead describe how you will provide a learning opportunity for attendees.
- Present the science behind the technology, product, or service.
- Do not use content that comes directly from a sales brochure.

CRITERIA FOR SELECTION

Overall, abstracts will be reviewed based on their technical merit, educational components, and applicability to the specific topic to which they have been submitted. Specifically, each one is scored on the following criteria:

Applicability

The abstract/presentation should present ideas, concepts, or lessons learned that are transferable to other facilities and situations.

Consequences

The abstract and presentation should address the consequences of the issue or project presented. The consequences, both intended and unintended, could include environmental, economic, and social impacts. Both positive and negative results are encouraged.

Relevance

The abstract should appeal to the WEFTEC audience, presenting breakthrough technologies, new concepts, novel applications of concepts, original ideas, new twists, hot topics, or application of fundamental techniques to today's problems. Further, abstracts should be relevant to the specific topic under which they were submitted.

Content, Clarity & Quality

Authors should prepare clear, concise abstracts and presentations. The quality and content of abstracts and presentations are considered indicative of the presentation at WEFTEC 2026.

Criteria For Exclusion

WEF reserves the right to exclude presentations that have been shown to be a sales pitch, highly commercial in nature, or negative about competitive products based on participant feedback from prior WEF conferences. WEF promotes the education of participants in these sessions and welcomes the submissions from exhibitors who make participants comfortable and provide them with the education we are hoping for.