



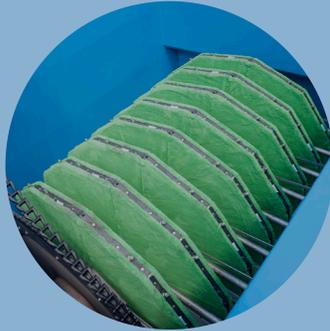
YOU'RE INVITED

# INNOVATIVE TECHNOLOGIES *featuring* AEROBIC GRANULAR SLUDGE, CLOTH MEDIA FILTRATION & PFAS SOLUTIONS SEMINAR

October 14 - 15, 2026 | Rockford, IL

This Process and Product Application seminar will feature innovative technologies from Aqua-Aerobic Systems.

Technologies being presented include **AquaNereda®** Aerobic Granular Sludge Technology, **AquaPrime® / AquaStorm®** Cloth Media Filtration for Primary Filtration and Wet Weather treatment and the **AquaPRS™** PFAS Removal System.



## What You Can Expect:

- ▶ Learn the basics of **AquaNereda®** technology, including information on the process, operational considerations, granule formation, and select case studies
- ▶ Design and performance insights for **AquaPrime®** and **AquaStorm® Cloth Media Filters**, focused on managing variable flows and high-solids loading under dry and wet weather conditions
- ▶ A first-of-its-kind tour of a full-scale facility integrating Advanced Primary Treatment (**AquaPrime®**) with Advanced Secondary Treatment (**AquaNereda®**) to maximize capacity, improve effluent quality, and reduce footprint and energy demand
- ▶ Learn about the latest in the **AquaPRS™** PFAS removal process
- ▶ Earn Professional Development Hours (PDH)

## Technology Overview



### **AquaNereda® Aerobic Granular Sludge Technology**

AquaNereda® Aerobic Granular Sludge Technology is an advanced biological wastewater treatment process that converts conventional flocculent activated sludge into dense, granular aggregates without the use of carrier media or external substances. The granular structure of the sludge allows for extremely fast settling, leading to increased overall treatment capacity. Granular sludge also exhibits enhanced nutrient removal capabilities with strong biological phosphorus removal and simultaneous nitrification and denitrification.

Compared to activated sludge technologies, the biological treatment power of AquaNereda is highly amplified while saving 50% on energy costs, delivering high quality effluent for low costs and requiring only a quarter of the area of conventional activated sludge systems.

### **Aqua-Aerobic® Cloth Media Filtration**

Aqua-Aerobic leads the industry in pile cloth media filtration technology featuring the **OptiFiber® Cloth Filtration Media**, specifically engineered for water and wastewater applications and designed to maximize solids removal over a wide range of particle sizes.



OptiFiber media is exclusive to the entire line of Aqua-Aerobic® Cloth Media Filter configurations including the **AquaPrime® Cloth Media Filter** for Primary Filtration and the **AquaStorm® Cloth Media Filter** for Wet Weather Treatment which will also be covered in this seminar.

### **AquaPRS™ PFAS Removal System**

The AquaPRS™ PFAS Removal System utilizes a unique sorbent suspension to adsorb per- and polyfluoroalkyl substances (PFAS) and a robust separator to extract clean water from the suspension. The adsorbent material is specially engineered to adsorb much more PFAS than can be adsorbed by the same amount of other adsorbents or ion-exchange resins, resulting in significantly less life cycle costs.



## Featured Guest Presenter:



**Chris Baer, P.E., Executive Director**  
*Four Rivers Sanitation Authority (FRSA)*

Chris has been responsible for the coordination and oversight of all Four Rivers major capital improvement construction projects. With a dedicated team of Professional Engineers, Land Surveyor, Technicians and Clerical Staff, Chris has led Four Rivers efforts to develop and maintain its own high level of standards for the construction and rehabilitation of sanitary sewer systems.

He will discuss FRSA's long-term facility planning and the need for strategic process upgrades, highlighting the utility's innovative approach to implementing Advanced Primary Treatment (AquaPrime®) followed by Advanced Secondary Treatment (AquaNereda®), one of the first full-scale applications of this integrated treatment strategy in the U.S. His presentation will cover how the project was planned and executed, early operational experience, and FRSA's vision for future optimization and growth.

## PLANT TOURS



AquaPrime® Cloth Media Filters at FRSA



AquaNereda® Process at FRSA



Aqua-Aerobic Research & Technology Center

Seminar attendees will get a close look at the Advanced Primary Filtration System utilizing the **AquaPrime® Cloth Media Filter** in operation at Four Rivers Sanitation Authority since 2024. This installation is designed to handle an average flow of 15 MGD and a peak flow of 30 MGD.

A presentation at the recently commissioned **AquaNereda® full-scale system** at Four Rivers will acquaint you with the system which is designed to treat 10 MGD.

Finally, attendees will also tour the Aqua-Aerobic **Research & Technology (R&T Center)**. This facility provides a unique opportunity to facilitate performance testing of engineered cloth media and membrane technologies. Testing is conducted on various configurations, under controlled conditions to deliver reliable insights into optimizing commercial application.

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## SEMINAR REGISTRATION

There is **no cost to you** for attending this seminar. Your airline ticket, hotel accommodations, meals and ground transportation from Chicago's O'Hare Airport to Rockford, IL and the return to O'Hare will be furnished by Aqua-Aerobic Systems, Inc. and your local Aqua-Aerobic representative.

### Airline:

Your flight will be scheduled to arrive at Chicago's O'Hare airport before 1:00 p.m. (CST) on **Wednesday, October 14th**. Your return flight will be scheduled 6:00 p.m. or after on **Thursday, October 15th**.

### Transportation:

A regional bus will depart O'Hare and bring you directly to Rockford, IL. Transportation will be provided back to O'Hare airport. If driving to/from the seminar, additional information will be provided.

### Hotel:

A room reservation will be made in your name for the evening prior to the seminar at the Embassy Suites Hotel, Rockford, IL

### Welcome Dinner:

Join us for dinner following the tours at Four Rivers at a local country club along the scenic Rock River.

### Seminar Day:

Begin your day with a complimentary breakfast in the hotel before departing via chartered bus to our facility. A catered lunch and light snacks will be provided throughout the day during the seminar and we will conclude with tours at a local wastewater treatment plant before departing for the airport.

[CLICK HERE TO REGISTER](#)

Availability at this seminar is limited, so early registration is recommended.

Please direct any questions you may have to **Christine Reyes** at (815) 639-4444 or email [creyes@aquaaerobic.com](mailto:creyes@aquaaerobic.com).



**YouTube** View our Introduction to the Aqua-Aerobic Seminar Video

*We look forward to having you as our guest!*

**Protecting the World's Water.**