



YOU'RE INVITED **BIOLOGICAL PROCESSES** SEMINAR

May 20 - 21, 2026 | Rockford, IL

Wastewater treatment plants nationwide face the critical challenge of meeting ultra-low nitrogen and phosphorus limits. Innovative technologies are emerging to address these challenges. Join us to explore the capabilities of proven time-based **Biological Processes**, in the full spectrum of particle size, designed for optimum nutrient removal.



Whether you're considering retrofitting or upgrading an existing system to comply with current or future discharge standards, or planning a new facility with strict permit requirements, this seminar will provide valuable insights. Learn how to effectively implement the most reliable and cost-efficient biological processes tailored for your project or plant.

What You Can Expect:

- ▷ Design considerations and benefits of time-based treatment systems
- ▷ See why true batch conditions are ideal for maximizing biological nutrient removal, as well as process intensification
- ▷ Learn about the New Aqua TruDense™ True Densified Sequencing Batch Reactor System
- ▷ Understand the AquaNereda® Aerobic Granular Sludge Technology including how it works, system design, operation and case studies
- ▷ Learn how to achieve nutrient removal and membrane quality water, with the Aqua-Aerobic® MBR Membrane Bioreactor and the AquaMB Process® Multiple Barrier Membrane System
- ▷ Earn Professional Development Hours (PDH)

Technology Overview

AquaSBR® and AquaPASS® Time Based Activated Sludge Systems

You will be acquainted with advantages of the **AquaSBR®** Sequencing Batch Reactor offering time based treatment in a true batch process. Learn about how the **AquaPASS®** Phased Activated Sludge as a time based flow through system provides enhanced nutrient removal with lower recycles.

Aqua TruDense™ True Densified Sequencing Batch Reactor

The **Aqua TruDense™** system is a Densified Sludge Treatment technology that combines all of the features and benefits of a true batch SBR system, with the intensification of densified sludge. It features faster settling with increased MLSS concentrations, allowing for enhanced treatment in a smaller footprint compared to activated flocculent sludge.

AquaNereda® Aerobic Granular Sludge System

Within a single tank, the **AquaNereda®** system creates proper conditions to develop and reliably maintain a stable granule, without a supplemental carrier. The granule layered aerobic and anoxic/anaerobic zones allow for simultaneous processes to take place in the granular biomass, including enhanced biological phosphorus reduction, and simultaneous nitrification and denitrification.

Aqua-Aerobic® MBR and AquaMB Process® Biological and Membrane Systems

The **Aqua-Aerobic® MBR Membrane Bioreactor System** is a unique, time-managed batch activated sludge process with submerged membranes. **Multiple barrier systems** integrate biological treatment with dual-barrier external filtration consisting of cloth media filters and membrane separation. These systems are capable of enhanced biological nutrient removal, superior solids reduction and effective bacteria and virus reduction. A combination of biological and membrane systems will be highlighted.

Featured Guest Presenter:



Brian Strickland, P.E.
Civil Engineer, Wastewater Operator A
Strickland Engineering, LC



Strickland Engineering has been providing contract operations for 20 years in Southeast Missouri. In 2022, the Cape Girardeau County Reorganized Common Sewer District completed construction of an AquaSBR® System as their first regional wastewater treatment facility. Brian will share his experience operating the AquaSBR using IntelliPro® process and monitoring and highlight the benefits.

PLANT TOURS



AquaNereda® Demonstration Plant



AquaNereda® Process at Four Rivers

A presentation at the **AquaNereda®** demonstration plant at Four Rivers Sanitation Authority (FRSA) will acquaint you with the system which is designed to treat 200,000 gpd. In addition to using the demonstration plant for tours and educational training, it allows for the continued cultivation of granules for future AquaNereda installations. Attendees will also get to see the recently commissioned full-scale AquaNereda System designed to treat 10 MGD.



Aqua-Aerobic Research & Technology Center

Also located on the grounds of Four Rivers Sanitation Authority, our **Research & Technology Center** provides a unique opportunity to facilitate performance testing of engineered cloth media 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, May 20th**. Your return flight will be scheduled 6:00 p.m. or after on **Thursday, May 21st**.

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.

[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.

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

We look forward to having you as our guest!

Protecting the World's Water.