



AQUA-AEROBIC SYSTEMS, INC.
A Metawater Company

YOU'RE INVITED BIOLOGICAL PROCESSES SEMINAR

July 17-18, 2024 | Rockford, IL

Achieving lower nutrient limits is a challenge facing many wastewater plants across the nation. Phosphorus and nitrogen are significant issues for engineers, consultants and end users.



Learn about the process capabilities of proven technologies in Biological Processes and Membrane Systems for optimum nutrient removal.

Whether you are looking at retrofitting or upgrading an existing system to meet current or future effluent demands or possibly a new plant that will have a strict discharge permit, attend this seminar to learn and properly apply the most reliable and cost effective biological processes for your project or plant.

What You Can Expect:

- ▷ Design considerations and benefits from **Time-Based Activated Sludge™ Systems**
- ▷ How true batch conditions are ideal for maximizing biological nutrient removal
- ▷ **AquaNereda®** Aerobic Granular Sludge Technology including how it works, system design, operation, and case studies
- ▷ Learn why the **Aqua-Aerobic MBR®** is a unique time-managed sequential aeration process promoting biological nutrient removal in a simplified unit process
- ▷ A guest presenter from an operating **AquaSBR®** plant will discuss why they selected SBR technology.
- ▷ Earn Professional Development Hours (PDH)

Technology Overview

AquaSBR® and AquaPASS®
Time Based Activated SludgeSM

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 Technology provides enhanced nutrient removal with total N <3 mg/l and Phosphorus <0.5 mg/l.



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.

Featured Guest Presenter:



Dusty Keller

Operations Manager

Dusty has spent 17 years of his professional career in wastewater and currently serves as the Operations Manager at Fredericksburg Sewer & Water Authority since 2019.

TOURS

Located on the grounds of Four Rivers Sanitation Authority (FRSA), 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.



Aqua-Aerobic Research & Technology Center

Tour the Aqua-Aerobic **Research & Technology (R&T) Center** and get an extensive overview of our full-scale **AquaNereda®** Aerobic Granular Sludge treatment plant on the last day of the seminar.



AquaNereda® Demonstration Plant

A brief presentation at our **AquaNereda** full-scale treatment plant 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.

Aqua-Aerobic staff will be available during the tour of the R&T Center and AquaNereda plant to answer any questions.

Nereda® is a registered trademark of Royal HaskoningDHV

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, July 17th. Your return flight will be scheduled 6:00 p.m. or after on Thursday, July 18th.

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 R&T Tours at one of the area's most unique rooftop restaurants in downtown Rockford.


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 **Monica Alfano** at (815) 639-4511 or email malfano@aquaaerobic.com.

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

We look forward to having you as our guest!