



AQUA-AEROBIC SYSTEMS, INC.
A Metawater Company

YOU'RE INVITED BIOLOGICAL PROCESSES SEMINAR May 24 - 25, 2023 | 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 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 managed treatment processes
- > 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
- > Discuss your unique application and receive project-specific feedback from Aqua-Aerobic technical experts
- > A guest presenter from an operating **AquaSBR**[®] plant will discuss why they selected SBR technology.
- > Earn Professional Development Hours (PDH)



FEATURED TECHNOLOGIES:
Time Based Activated SludgeSM

AquaSBR[®]

You will be acquainted with advantages of the **AquaSBR**[®] Sequencing Batch Reactor offering time based treatment in a true batch process and why SBR systems are ideal for nutrient removal. Learn how the **AquaSBR**[®] offers a lower footprint than conventional activated sludge, lower power consumption, and lower cost of ownership.



Witness a full-scale dye tracer study using the **AquaDDM**[®] mixer during an outdoor demonstration along with full-scale diffused aeration to showcase the **Aqua MixAir**[®] aeration system.

AquaPASS[®]

The **AquaPASS**[®] Phased Activated Sludge System is another featured topic in our seminar. This activated sludge technology provides enhanced nutrient removal with total N <3 mg/l and Phosphorus <0.5 mg/l. Learn the advantages of the **AquaPASS**[®] compared to other multi-stage BNR processes.



Aqua-Aerobic[®] MBR

The **Aqua-Aerobic**[®] MBR is a unique time-managed sequential aeration process promoting biological nutrient removal in a simplified unit process.



Where Industry Professionals Learn and Solve

FEATURED TECHNOLOGIES (CONTINUED):

AquaNereda®

Through extensive research and successful application internationally over the last 20 years, **Aerobic Graunular Sludge (AGS)** Technology is recognized



as "The Future" of municipal and industrial wastewater treatment and is the most sought-after, progressive treatment technology available. Compared to activated sludge technologies, the biological treatment power of **Nereda®** 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 installations.



FULL-SCALE TECHNOLOGY TOURS



The **R&T Center** provides a unique opportunity to facilitate performance testing of various configurations of engineered cloth media to deliver insights into optimizing commercial application. Tour the **AquaNereda®** full-scale plant designed to treat 0.2 MGD.



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

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 3:00 p.m. (CST) on Wednesday, May 24th. Your return flight will be scheduled 6:00 p.m. or after on Thursday, May 25th.

Hotel:

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

Transportation:

A regional bus will depart O'Hare and bring you directly to Rockford, IL. Transportation will be provided back to O'Hare airport.

Welcome Dinner:

Join us for dinner the evening of your arrival at one of Rockford's popular restaurants.

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.



View our Introduction to the Aqua-Aerobic Seminar Video

We look forward to having you as our guest!