

# ADAPTIVE WATER MANAGEMENT SOLUTIONS

## Education and Training

### PROCESS & PRODUCT APPLICATION SEMINAR

APRIL 5, 2018

- BIOLOGICAL PROCESSES
- CLOTH MEDIA FILTRATION
- MEMBRANE SYSTEMS
- OZONE SYSTEMS
- PRODUCT DEMONSTRATIONS
- PILOT STUDIES & CASE HISTORIES
- FULL SCALE TECHNOLOGY TOUR
- EARN EDUCATIONAL CREDITS

*Presented By*



**AQUA-AEROBIC  
SYSTEMS, INC.**  
A Metawater Company

## YOU ARE INVITED

Aqua-Aerobic Systems, Inc. offers a one-day **Process and Product Application** seminar to individuals involved in the design, specification and procurement of wastewater treatment equipment and systems.

This technical seminar is designed to provide broadly-based information on the design and application of wastewater treatment solutions and will feature:

- **BIOLOGICAL PROCESSES**
  - Batch Processes
  - Aerobic Granular Sludge Technology
  - Flow Through Systems
  - Integrated Process Monitoring & Control
- **CLOTH MEDIA FILTRATION**
  - Technology Overview
  - Primary Filtration and other Applications
  - Mechanical Configurations
  - Performance Data and Case Studies
  - Integrated Process Monitoring & Control
- **MEMBRANE SYSTEMS**
  - Membrane Bioreactors
  - Multi-Barrier Membrane Systems
  - Polymeric and Ceramic Membranes
- **OZONE GENERATION SYSTEMS**
  - Technology Overview
  - Applications
  - Modular Ozone Systems

This information can be invaluable to a range of wastewater treatment professionals including:

- Consulting Engineers
- Environmental Managers
- Industrial Process Engineers
- Plant Superintendents
- City Officials

## SEMINAR OUTLINE

### **AIRLINE:**

Your flight will be scheduled to arrive at Chicago's O'Hare airport around 12:00 p.m. (CST) on Wednesday (day prior to seminar). Your return flight will be scheduled for 6:00 p.m. or later following the seminar on Thursday.

### **TRANSPORTATION:**

A regional bus will depart O'Hare and bring you directly to Rockford, IL. If you plan on driving to Rockford, it is your option to arrive the evening prior to the seminar or the morning of the seminar.

Transportation will be provided back to O'Hare airport following the seminar for anyone scheduled on return flights.

### **HOTEL:**

A room reservation will be made in your name for the evening prior to the seminar at a hotel near our facility in Rockford, IL.

### **WELCOME RECEPTION AND MEALS:**

Join us for a casual welcome reception at the hotel followed by dinner at one of Rockford's finest restaurants.

### **SEMINAR DAY:**

Begin your day with a complimentary breakfast at the hotel before departing via chartered bus to the Aqua-Aerobic facility, located at 6306 N. Alpine Rd., Loves Park, IL.

A catered lunch and light snacks will be provided throughout the day during the seminar.

**See page 2** for a seminar synopsis, including a description of the Research & Technology Center Tour, and more information on how to register.



## BIOLOGICAL PROCESSES



You will be acquainted with the **AquaSBR®** Sequencing Batch Reactor offering time-based treatment in a batch process.

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.

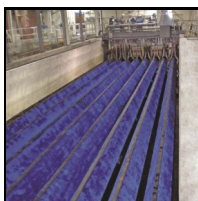
The **AquaPASS®** Phased Activated Sludge System is a featured topic in our biological segment. This activated sludge technology provides enhanced nutrient removal with Total N < 3 mg/l and Phosphorus < 0.5 mg/l.



Introducing **AquaNereda® Aerobic Granular Sludge Technology**—advanced system that offers a footprint savings up to 75% and energy up to 50% compared to conventional activated sludge



## CLOTH MEDIA FILTRATION



In this segment of the seminar, you will be familiarized with **OptiFiber® Pile Cloth Media** engineered to provide optimum performance in a variety of applications including reuse, low level phosphorus, stormwater, and primary treatment.

Learn how this media is an integral component to the entire line of cloth media filtration products including the **AquaDisk®**, **Aqua MegaDisk®**, **AquaDiamond®**, and the new **AquaPrime®** for primary and wet weather treatment.



## MEMBRANE SYSTEMS



The **Aqua-Aerobic® MBR** is a unique, time-managed sequential aeration process promoting biological nutrient removal in a simplified unit process. Learn how the **AquaMB Process®** is the most cost-effective nutrient removal solution offering dual-barrier filtration

technology.

**Polymeric and Ceramic Membrane Systems** feature Aqua MultiBore® NO BREAK membranes. These systems are used for potable water applications, brackish water, and seawater desalination.



## OZONE SYSTEMS



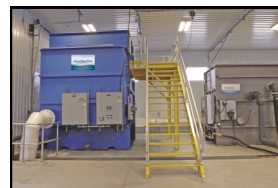
Become acquainted with the new **Aqua ElectroOzone™** Ozone Generation System featuring Metawater MicroGap™ Core Technology which provides the longest life for current dielectric designs. These systems are used for potable treatment, wastewater/water reuse, and industrial applications.

## FULL-SCALE TECHNOLOGY TOURS

A tour of the Aqua-Aerobic **Research and Technology Center** and **AquaNereda® Demonstration Plant** located at the local wastewater treatment plant is conducted the day before the seminar.

The **R&T Center** provides a unique opportunity to facilitate performance testing of various configurations of engineered cloth media under controlled conditions to deliver insights into optimizing commercial application.

Tour the **AquaNereda® full-scale plant** designed to treat 0.2 MGD. In addition to using the new demonstration plant for tours and educational training, it allows for continued cultivation of granules for future installations.



## HOW TO REGISTER

To **confirm your attendance** please register for the preferred seminar by clicking on the respective link below:

**[April 5, 2018 Seminar Registration](#)**

Availability is limited for this seminar, so early confirmation is recommended.

There is **no cost to you** for attending the 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.

**PROFESSIONAL DEVELOPMENT HOURS:**  
Upon completion of the seminar including the optional tour, you will receive a Certificate of Completion for 6.5 Professional Development Hours (PDH).

### ADA STATEMENT:

Aqua-Aerobic Systems, Inc. supports the intent and spirit of the Americans with Disabilities Act. Please contact us if special assistance or accommodations need to be made for you while attending this seminar.

Please direct any questions you may have to our Seminar Coordinator, **Monica Gunderson** at (815) 639-4511 or [mgunderson@aquaaerobic.com](mailto:mgunderson@aquaaerobic.com).

We look forward to having you as our guest.

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