

# ADAPTIVE WATER MANAGEMENT SOLUTIONS

## Education and Training

### FILTRATION: ADAPTIVE TECHNOLOGIES FOR CHANGING DEMANDS

JUNE 21, 2018

- CLOTH MEDIA FILTRATION
- UNDERSTANDING PHOSPHORUS
- REUSE, PRIMARY FILTRATION, CSO
- MEMBRANE TREATMENT SYSTEMS
- PILOT STUDIES & CASE HISTORIES
- FULL SCALE EQUIPMENT AND TOURS
- EARN EDUCATIONAL CREDITS

*Presented By*



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

## YOU ARE INVITED

Achieving energy savings, nutrient removal, or producing reuse quality effluent is a challenge facing many wastewater plants across the nation. Filtration has an integral part of achieving these objectives.

Aqua-Aerobic Systems, Inc. offers this one-day **Process and Product Application Seminar** featuring Filtration Technologies that will focus entirely on meeting these new and emerging effluent demands.

Learn about the process capabilities of proven **Cloth Media Filtration Technology** with a focus on Low Phosphorus, Primary Filtration, and wet weather applications. This proven technology is currently applied in more than 1,000 plants worldwide meeting effluent objectives ranging from tertiary treatment to ultra low phosphorus, water reuse, storm water treatment and the removal of bacteria and micro-contaminants.

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 filtration technology for your project or plant.

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

- 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. →

## CLOTH MEDIA FILTRATION

You will be introduced to **OptiFiber® Cloth Media** — engineered to provide optimum performance and reliability in a variety of applications including reuse, low level phosphorus, wet weather, and primary treatment.



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



Case studies and pilot data will show the capabilities of this unique and performance proven media that can be fitted to any Aqua-Aerobic cloth filter configuration.

## RESEARCH & TECHNOLOGY CENTER TOUR

An tour of the Aqua-Aerobic **Research and Technology Center** located at Rockford's wastewater treatment plant is available to our guests and conducted the day before the seminar on Wednesday.



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

## MEMBRANE SYSTEMS

Integrated membrane processes including the Aqua-Aerobic® MBR Membrane Bioreactor, the AquaMB Process® Multiple-Barrier Membrane System, and polymeric and ceramic membrane systems, featuring Aqua MultiBore® NO BREAK membranes will be discussed during the seminar.



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

The **AquaMB Process®** is the most cost effective nutrient removal solution offering dual barrier filtration technology by incorporating cloth media filters and micro-filtration membranes into the system process.

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



## WOOD DALE PLANT TOUR

As part of the afternoon session, you will travel to the Wood Dale, IL WWTP for a tour of an AquaDisk® cloth media filter installation.



A brief presentation will acquaint you with the (3) operating units at the facility which are designed to treat 3.47 MGD avg. and 14.52 MGD peak. The Plant Operator will be available during the tour for questions.

## HOW TO REGISTER

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

[June 21, 2018 Seminar Registration](#)

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

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.

**PROFESSIONAL DEVELOPMENT HOURS**  
Upon completion of this seminar including the optional tour of the Research & Technology Center 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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