

FOX VALLEY OPERATORS ASSOCIATION



13th ANNUAL CONFERENCE AND EXHIBITION

THURSDAY, AUGUST 15, 2019

KANE COUNTY FAIRGROUNDS PRAIRIE EVENT CENTER

"Protecting the Fox River since 1960."

The Fox Valley Operators Association welcomes you to the 13th Annual Conference. This event will be held on Thursday, August 15, 2019!

Conference Highlights:

- ◆ 9 Technical Sessions
- ◆ 50 Exhibitors
- ◆ BBQ Lunch by the Texan of Algonquin
- ◆ Door prizes



Join us and be one of over 200 wastewater professionals from the Fox Valley and surrounding areas attending this event.



FVOA

CONFERENCE SCHEDULE

7:00 - 8:00 am	Guest Registration
8:00 - 8:45 am	Conference Welcome
8:45 - 9:30 am	Technical Session #1
9:30 - 10:00 am	Break - Visit with our Exhibitors
10:00 - 10:45 am	Technical Session #2
10:45 - 11:15 am	Break - Visit with our Exhibitors
11:15 - 12:00 pm	Technical Session #3
12:00 - 1:00 pm	BBQ Lunch with the Texan of Algonquin
1:00 - 1:30 pm	Raffle Prizes
1:30 pm	End of Conference

Session #1 (8:45 - 9:30 am)

Room A: Optimize BNR Processes

Elizabeth Heise | Trotter & Associates, Inc.

this presentation will discuss the most important things for operators when switching to a BPR/BNR process for function as designed, and discuss unique challenges and process monitoring that has occurred at 3 plants on the Fox River; an Oxidation Ditch (East Dundee), a 5-Stage Bardenpho (Algonquin), and an A2O (St. Charles).

Room B: Integrated WWTP Resource Recovery CLEARAS Water Recovery

Utilization of food-waste-to-energy operations resulting in biogas generation and combined heat and power (CHP) to offset energy footprints. Focus on WWTP in West Bountiful Utah and Beaver Dam, Wisconsin.

Room C: Conservation & Efficiency - WWTPs

Bob Kisler | Hoffman & Lamson Products

Rising costs and external pressure to boost conservation and efficiency are pushing wastewater treatment plants to reduce power consumption. A review of opportunities to reduce costs and energy consumption by adjusting speed and flow rate to meet demand using multistage centrifugal blowers.

Session #2 (10:00 - 10:45 am)

Room A: Process Monitoring & Control - BNR

Mark Halm | WEDA

Joel Ilseman | FMWRD

Darrin Boyer | City of Plano

This presentation will address waste characteristics for design, flexibility of process design, monitoring and control. Design rule-of-thumb ratios for successful

Treatment versus actual performance. Environmental condition monitoring, ORP, and nitrate concentrations on operations are discussed.

Room B: Everybody, Everywhere - Checklist for Operators

Micah Pitner | Crawford, Murphy & Tilly, Inc.

The ISI and the Zofnass Program at the Harvard Graduate School of Design developed the Envision Sustainable Infrastructure Framework and the Envision Checklist. Provide overview of the Envision Framework and walk through the checklist with an emphasis on decision-making at the operator or plant supervisor level.

Room C: Remediating I & I with Tracking Micro Detection

Chad Smeltzer | Midwest Water Group

iTracking was primarily designed for Micro Detection of Inflow and Infiltration but its capabilities expanded thanks to input from application engineers in our industry; from Fact-Based Model Development to Early-Warning Assessment of wastewater infrastructure operating conditions

Session #3 (11:15 - 12:00 pm)

Room A: Operators "Bull" Session

TBA

A roundtable discussion of everyday operator issues.

Room B: Bensenville WWTP Process

Replacement & BNR

Troy Stinson & Troy Larson | Strand Associates, Inc.

Simplification of treatment processes and equipment replacement results in energy efficient Biological Nutrient Removal at the Bensenville WWTP. An overview of design considerations for the project will be presented.

Room C: Strategizing to Achieve Phosphorous Compliance

Leo A. Kucek | Applied Technologies, Inc.

Meeting ultra-low PO discharge standards (<0.1 mg/L) can be a major challenge. Several alternatives are available to reduce loadings to the watershed. This presentation will compare the compliance alternatives evaluated at several wastewater treatment plants throughout the region.



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Attendee Registration Form



13th ANNUAL CONFERENCE THURSDAY, AUGUST 15, 2019 KANE COUNTY FAIRGROUNDS PRAIRIE EVENT CENTER

Name _____
Title _____
Organization _____
Address _____
City, State, Zip _____
Phone _____
Email _____

Registration includes all technical sessions and handout materials, a buffet lunch and raffle ticket. Non-members registration includes a one year membership in FVOA.

Registration fee per attendee:

\$35 members, pre-registration	_____
\$45 members, after August 9th	_____
\$55 non-members, pre-registration	_____
\$65 non-members, after August 9th	_____

If you are registering for more than one person, please list their name(s) below:

Please make checks payable to the **Fox Valley Operators Association**. Send your registration and payment to:

Fox Valley Operators Association
c/o Joel Ilseman
682 State Route 31
Oswego, IL 60543



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Exhibitor Registration Form



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Name _____

Title _____

Organization _____

Address _____

City, State, Zip _____

Phone _____

Email _____

Badge Name 1 _____

Badge Name 2 _____

Requirements (see general information)

\$200 Cost per exhibition booth _____

\$100 Large area/equipment fee _____

\$25 Additional person (each) _____

\$25 Additional table (each) _____

Electrical connection request? _____

Any special requirements? _____

Please consider a lunch sponsorship and/or raffle prize donation!

Please make checks payable to the **Fox Valley Operators Association**. Send your registration and payment to:

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Exhibitor General Information



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ALL EXHIBITORS WILL BE PROVIDED WITH NAME BADGES

EXHIBITOR INFORMATION

- Exhibit space will be assigned on a first come/first paid basis.
- Each booth contains one 3' x 6' ("banquet") table and two chairs. Additional chairs are available for \$25 each. Please list the number of additional chairs being requested on the Exhibitor Registration Form.
- Additional space for displaying large equipment has limited availability and needs to be requested by **August 2, 2019**. A cost of \$100 will be applied for the additional space.
- Electrical connections are standard 120 volt service. Please specify in advance if you need an electrical connection as there are a limited number available.
- Exhibitors can begin setting up booth displays at 6:30 am on the day of the Conference.
- No incidentals will be provided to exhibitors by the Fox Valley Operators Association or the Prairie Events Center. Exhibitors are expected to provide all necessary equipment for their respective displays.
- All exhibits are required to remain set up until 1:30 pm.
- Exhibitors will have until 3:00 pm to dismantle their booth displays and clear the area.
- It is understood that the registration fee is NON-REFUNDABLE and is agreed upon at the time of the receipt of registration.



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