



Fox Valley Operators Association

Hosted by the Village of Carpentersville

FVOA Conference August 20th, 2015



9th Annual FVOA Conference

The Fox Valley Operators Association together with the Village of Carpentersville welcomes you to the 9th Annual Conference. This event will be held on August 20th, 2015

Village of Carpentersville Public Works Garage
1075 Tamarac Drive, Carpentersville, IL 60110

Highlights

- 9 Technical Sessions to Choose From
- 50 Vendors
- Lunch Provided
- Great door prizes



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



Schedule of Events

The FVOA 9th Annual Conference will be held at the
Village of Carpentersville Public Works Garage
107 Tamarac Drive
Carpentersville, IL 60110

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|----------|----------------------|----------|----------------------|
| 7:00 AM | Registration | 11:00 AM | Break |
| 8:00 AM | Conference Welcome | 11:15 AM | Technical Sessions 3 |
| 9:00 AM | Technical Sessions 1 | 12:00 PM | Break and Lunch |
| 9:45 AM | Break | 2:00 PM | Raffle |
| 10:15 AM | Technical Sessions 2 | 2:15PM | End of Conference |

**Vendor booths will be open
from 7:30am to 2:15pm**

Morning Technical Sessions / 9:00AM - 12:00PM

Morning technical sessions are being offered and will be conducted by peers and professionals knowledgeable in the subject matter. Sessions include a range of topics to interest wastewater operators and professionals. Topics include.

Technical Sessions 1 (9:00AM - 9:45AM)

A. Village of Hinckley Case Study: Steve Dennison & Chris Walton, EEI

Facing mounting pressure from the USEPA to address their undersized and overloaded Wastewater Treatment Facility, as well as a Total Phosphorus effluent limit in their pending NPDES Permit renewal, the Village of Hinckley, IL chose to replace their failing RBC's fixed film process with a modified A2/O process. The new process reduces energy usage and required footprint (O&M and Capital Cost) by taking advantage of common wall construction for all process tanks, including Bio-P Fermentation, Anaerobic Selector, Staged Aeration, Secondary Clarifiers, and Aerobic Digesters.

B. Phosphorous removal options: Stephen Hansen

- Phosphorous removal options, testing and some nutrient basics from the lab.
 - Nitrogen as NO₂ and NO₃ and Phosphorous as PO₄ and P. Definitions and things to watch out for.
 - OrthoP, dissolved reactive P and total P test and options for removal.
 - Biological, Chemical and some of the testing options available to operators
- Small test kits for Phosphorous with their benefits and limitations

C. Sludge Pumping: Steve Truitt, Penn Valley Pump

Pump problems? Fix these issues that cause you maintenance and operations staff headaches. Here is another option.....

Technical Sessions 2 (1015AM - 10:45AM)

A. Gee Mom, What's a CMOM: Amy Vaclavik, P.E. McMahon Group

The U.S. CMOM program is a tool that evaluates the Capacity, Management, Operation and Maintenance of a sanitary sewer collection system. The major components of a CMOM program, including system goals, system organization, legal authority, standards, O&M procedures, evaluation of the capacity of the collection system and overflow emergency response planning will be presented. IEPA is frequently requiring communities to develop CMOM as part of reissued NPDES permits.

B. The A to Z in dismantling and reassembly of a submersible pump: Anthony Jarvis, Grundfos

Demonstration of a complete tear down and rebuild of a submersible pump

C. Getting to Know ORP: Greg Paul

This session is intended to spark interest in wastewater sleeping giant, ORP (Oxidation Reduction Potential) and is meant as a starting point for knowledge and understanding of it.

Technical Sessions 3 (11:15-12:00)

A. Operators "Bull" Session: Russ Martin (Facilitator)

Roundtable discussion of everyday operator issues.

B. The Automated Operation & Maintenance Manual for More Efficient Operation: Brent W. Perz

This session will discuss the purpose of the O & M software and how it can provide guidance for the operator.

C. SBR/BNR: Ed Coggin

Sequencing Batch Reactors- A compact Alternative for BNR. With the increasing regulatory pressure to reduce total phosphorous and total nitrogen in WWTP effluent, different secondary treatment technologies have been developed to effectively remove these nutrients. One technology that has numerous benefits is the use of sequencing batch reactors, or SBR.

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Vendor & Registration Information

Vendor Information and Raffle:

A vendor area will be set up to give you an opportunity to see what is currently available in the industry. This area can be visited any time throughout the conference. Door prize raffle will commence during the lunch break. The Grand Prize will be given away at the end of the conference.

Registration Information:

Pre-registration by August 9th is encouraged as there will be an additional cost for registration after this date and on the day of the conference. A registration form is included with this brochure. Registration on or prior to August 9th is \$30 for FVOA members and \$50 for non-members. Registration after August 10th is \$40 for FVOA members and \$60 for non-members. Non-member fees include a one-year membership in the Fox Valley Operators Association.

Lunch:

A buffet style lunch will be served and is included in the cost of the registration.

Questions:

If you have any questions regarding the conference offerings or need directions to the conference location, please contact one of the following people:

Brian Baumann: President
Village of Huntley
Phone (847) 515-5373
Email foxvalleyoa2@gmail.com.

Bill Hoyt: Vice-President
Dean Foods
Email: bill_hoyt@deanfoods.com

Susan Ruta: Secretary/Treasurer
CH2MHILL
Email sue.ruta@ch2m.com

Mike Burnett: Conference Chair
City of St. Charles
Email: mburnett@stcharlesil.gov



FVOA



Registration Form

FVOA 9th Annual Conference

August 20, 2015

Carpentersville, IL

REGISTRATION FORM

Name: _____
Title: _____
Employer: _____
Address: _____
City, State, Zip: _____
Telephone No.: _____
E-mail: _____

Registration includes all seminars and handout materials, a buffet lunch and choice of afternoon workshops. Non-member registration includes one year membership in FVOA.

Registration fee per attendee:

\$30 members, pre-registration _____
\$40 members, after Aug. 9th _____
\$50 non-members, pre-registration _____
\$60 non-members, after Aug. 9th _____

If you are registering for more than one person, please indicate their names here:

Please make all checks out to the **Fox Valley Operators Association** and send your check and registration form to:

Fox Valley Operators Association
FVOA President
Brian Baumann
PO Box 7356
Algonquin, IL 60102-7356



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