

**86th ANNUAL ILLINOIS POTABLE WATER SUPPLY
OPERATORS ASSOCIATION CONFERENCE
September 20 - 22, 2017**

**REGISTRATION –CROWNE PLAZA LOBBY 8 am – 5 pm
EXHIBIT AREA OPENS AT 10:00 a.m.
VISIT WITH VENDORS ALL DAY WEDNESDAY
TO RECEIVE YOUR CASH BOX ENTRY GIVEAWAY AND PURCHASE YOUR RAFFLE ENTRY
RAFFLE PRIZE AWARDED DURING MEET AND MINGLE WEDNESDAY AT 6:00 P.M.**

**SPECIAL OPERATOR CERTIFICATION SESSION
WEDNESDAY MORNING & AFTERNOON, September 20, 2017 – Plaza A**

OPERATOR CERTIFICATION EXAMINATION GIVEN THURSDAY MORNING at 9:00 a.m. – Plaza A

**8:00 a.m. OPERATOR EXAMINATION REVIEW SESSION FOR C & D – *Mike Buss, SIU-ERTC/Highland WTP*
12:00 p.m. Review of treatment and distribution skills needed for operators seeking to achieve a Class C or D Certificate of Competency as a Water Supply Operator.**

10:00 a.m. BREAK EXHIBIT AREA OPENS

**1:00 p.m. OPERATOR EXAMINATION REVIEW SESSION FOR A & B – *Drew Holscher, SIU-ERTC Water Program Instructor,*
4:00 p.m. Review of treatment and distribution skills needed for operators seeking to achieve a Class A or B Certificate of Competency as a Water Supply Operator.
**IEPA offers an exam session for anyone with an IEPA Admission Letter Thursday morning, September 21, 2017.
Obtain and bring a Letter of Admission from Illinois EPA and a valid photo ID.****

WEDNESDAY, September 20, 2017 REGULATORY SESSION – PLAZA I

**9:00 a.m. DRINKING WATER PROGRAM INFORMATION & ISSUES – *Dave McMillan, DPWS Division Manager, Illinois EPA,*
10:00 a.m. Information will be provided on updates to current requirements and procedures, including permits, fracking, sampling, reporting and operator certification.**

**10:00 a.m. CWLP PLANT TOUR– *Todd LaFountain, Superintendent CWLP Water Purification Plant* –
to Take a tour of Springfield's CWLP 47 MGD Water Purification Plant and it's recent infrastructure improvement projects.
12:00 p.m. **OR****

**10:00 a.m. VENDOR DEMONSTRATIONS – Vendor Exhibit Area
to
12:00 p.m. Visit the Vendor Exhibit Area for demonstrations on new products,**

12:00 p.m. Adjournment for lunch – on your own. VISIT THE EXHIBIT AREA – PURCHASE YOUR RAFFLE ENTRY and GET YOUR CASH BOX ENTRY FOR 3:00 P.M. AND 5:30 P.M.DRAWING

WEDNESDAY, September 20, 2017 - TECHNICAL SESSION–PLAZA I

**1:30 p.m. WELCOME TO THE 86th ANNUAL CONFERENCE—*Ken Drennan, IPWSOA President – Business Meeting*
1:45 p.m.**

**1:45 p.m. HORMONES AND MEDICATION IN DRINKING WATER –*Walt Kelly, Illinois State Water Survey* – Pharmaceutical and
2:15 P.M. Personal Care Productions (PPCPs) have been found in drinking water systems in Illinois at low concentrations.**

**2:15 p.m. PUMPS AND PUMP MAINTENANCE – *Jake Freeman, Brotcke Well and Pump* – Design and types of pumps, along with
3:00 p.m. common failures and causes. Preventative maintenance to prolong the life of pumps.**

3:00 p.m. BREAK – VISIT THE EXHIBIT AREA –CASH BOX ENTRY GIVEAWAY AND PURCHASE YOUR RAFFLE ENTRY

**3:30 p.m. SAFETY CULTURES – *Eric Staley, CWLP EH&S* – An open discussion on the success of failures of safety programs.
4:00 p.m.**

**4:00 p.m. PERMANGANATE 101 – *John Boll, Carus Corporation* – This presentation will review current permanganate products,
4:30 p.m. oxidation chemistry and how they are used to improve the quality of surface and ground water supplies.**

**4:30 p.m. LEAD & COPPER CONTROL WITH PHOSPHATES – *Darin Skutt, Carus Corporation* - This presentation covers the
5:00 P.M. current U.S. EPA Lead and Copper rule regulation and the use of phosphates.**

5:00 p.m. ADJOURN to MEET & MINGLE– Last chance to purchase your Raffle Entry For 6:00 P.M. Drawing! Cash Box entry given out at 5:30. Visit vendors in the Exhibit Area, enjoy a light snack and refreshing beverage. Winning Raffle Entry drawn at 6:00 p.m..

SIGN UP FOR THE "BAGS" TOURNAMENT at 6:30 p.m.

Thursday Morning Operator Exam - PLAZA C

9:00 a.m. **OPERATOR EXAM** - *Andrea Rhodes, IL EPA* – A, B, C, D exams will be given. All operators need to have a Letter of Admission from IEPA and a valid photo ID.

TECHNICAL SESSION, THURSDAY MORNING, September 21, 2017 PLAZA I
EXHIBIT AREA OPENS AT 8:00 a.m.
REGISTER WITH VENDORS ALL DAY THURSDAY TO BE ELIGIBLE FOR THE
CASH BOX DRAWING TO BE ANNOUNCED AT 10:00 a.m. and 2:45 p.m. BREAK

8:30 a.m. **LEAD AWARENESS** – *Ted Meckes – CWLP - Springfield*, – Senate Bill 550 will require schools to test for Lead. Hear
9:00 a.m. about the legislative process in passing SB 550 and how water systems can assist schools with their task of sampling and ensure the water is safe at all times for the children.

9:00 a.m. **AMMONIA – THE UNTOLD STORY** – *Ronit Erelitzki, AdEdge Technologies* – Treatment approaches and design
9:30 a.m. considerations that may be critical for treatment systems.

9:30 a.m. **IL AMERICAN AWARD WINNING PLANT**– *Elizabeth Doellman – IL American Water Co.* – IL American Water Co,
10:00 a.m. Pontiac Plant, received AWWA Partnership for Safe Water Director's Award of Recognition for maintaining Phase III Certification for 15 consecutive years.

10:00 a.m. **BREAK – VISIT THE EXHIBIT AREA** –CASH BOX ENTRY GIVEAWAY AND PURCHASE YOUR RAFFLE ENTRY

10:30 a.m. **VAVLE ACTUATORS** – *Jeff Lester, Flowserve – Limitorque* – Use and design for valve actuators.
11:00 a.m.

11:00 a.m. **BACK TO BASICS** – *Dale Biggerstaff, Hamilton County Water District* – Review basic topics of everyday tasks in the
12:00 p.m. workplace, including tank and pump maintenance, boil orders, samples, backhoe and work safety.

12:00 p.m. **EXHIBIT AREA -- JOIN THE EXHIBITORS FOR LUNCH WITH "GREAT BOARS OF FIRE"**

CONCURRENT PRODUCTS & SERVICES SESSION THURSDAY MORNING, September 21, 2017 - PLAZA B

8:30 a.m. **CONFINED SPACE ENTRY** - *Marty Short, Honeywell*, – Review of how to enter a Confined Space and test for
9:00 a.m. hazardous air environments.

9:00 a.m. **WATER LOSS** – *Randy Lusk, M.E. Simpson* – Review water loss strategies
10:00 a.m.

10:00 a.m. **BREAK – VISIT THE EXHIBIT AREA** –CASH BOX ENTRY GIVEAWAY AND PURCHASE YOUR RAFFLE ENTRY

10:30 a.m. **PRIORITIZING WATER MAIN IMPROVEMENTS** – *Joe Ahlvin, IL American Water* – This presentation will go over a way
11:00 a.m. to objectively evaluate various data sets (i.e. water main break locations, pressures, available fire flows, pipe diameter, etc.) In order to identify and prioritize areas in the distribution system in need of rehabilitation or replacement.

11:00 a.m. **OCTAVE ULTRASONIC COMMERCIAL & INDUSTRIAL METERS** – *Daniel Wemhoener, Fortline Waterworks* – Use
12:00 p.m. and demonstration of Ultrasonic Meters.

12:00 p.m. **EXHIBIT AREA -- JOIN THE EXHIBITORS FOR LUNCH WITH "GREAT BOARS OF FIRE"**

CONCURRENT NUTS AND BOLTS SESSION THURSDAY MORNING, September 21, 2017 - PLAZA A

8:30 a.m. **CONTROL VALVE BASICS** – *Andy Caselli, CLA-VAL Company* – Basic Operation, Application and Troubleshooting.
10:00 a.m.

10:00 a.m. **BREAK – VISIT THE EXHIBIT AREA** –CASH BOX ENTRY GIVEAWAY AND PURCHASE YOUR RAFFLE ENTRY

10:30 a.m. **PREDICTIVE WELL MAINTENANCE** – *Austin Johnson, Layne Christensen* – Predictive Well Maintenance is a program
12:00 p.m. to assist Municipalities in ensuring their wells are operating satisfactorily, for strong system viability. This periodic work would spot downward trends in well and or pump performance, so timely maintenance can be done.

12:00 p.m. **EXHIBIT AREA -- JOIN THE EXHIBITORS FOR LUNCH WITH "GREAT BOARS OF FIRE"**

TECHNICAL SESSION THURSDAY AFTERNOON September 21, 2017 -- PLAZA I

- 1:00 p.m. **UNIDIRECTIONAL FLUSHING** – *DUSTIN PATTERSON, Chatham Water Dept.*, – Unidirectional Flushing procedures and
2:00 p.m. benefits of a good program in Chatham, Illinois.
- 2:00 p.m. **LEAD & COPPER in YOUR DRINKING WATER** – *Paul Fuligni, SIUE Director, Facilities Management* - The Southern
3:00 p.m. Illinois University Edwardsville campus water system exceeded the lead action level in August 2016. Significant levels of
Copper were also found and pinhole leaks were occurring in campus buildings.
- 3:00 p.m. **BREAK – VISIT THE EXHIBIT AREA** – CASH BOX ENTRY GIVEAWAY AND PURCHASE YOUR RAFFLE ENTRY
- 3:30 p.m. **TRENCHLESS PIPE REHABILITATION** – *Lance Secrest, suez, Director of Development* – Spray in place lining as a
4:00 p.m. structural non-intrusive alternative to pipe replacement.
- 4:00 p.m. **WATER- BORNE HAZARDS** – *Justin DeWitt, Illinois Department of Public Health, Chief Engineer* – Water-borne
5:00 p.m. hazards in domestic water systems are increasingly implicated in public health outbreaks and environmental diseases. This
presentation will look at the various hazards, where they exist in domestic water systems and discuss control strategies.
- 5:00 p.m. *Adjourn to prepare for the Operator of the Year Celebration*

CONCURRENT NUTS & BOLTS SESSION THURSDAY AFTERNOON, September 21, 2017 -- PLAZA A

- 1:00 p.m. **CONTROL CABINET TROUBLESHOOTING PART 1** – *R.E. Pedrotti* – This class will teach the basics of control cabinet
3:00 p.m. troubleshooting and will have hands on training as well. It is recommended that each attendee bring their own multi-meter.
Space is limited to the first 20 attendees for actual hands on training, but the course will also provide valuable training
information for all attendees.
- 3:00 p.m. **BREAK – VISIT THE EXHIBIT AREA**
- 3:30 p.m. **CONTROL CABINET TROUBLESHOOTING PART 2** – *R.E. Pedrotti*, – This class will teach the basics of control cabinet
5:00 p.m. troubleshooting and will have hands on training as well. It is recommended that each attendee bring their own multi-meter.
Space is limited to the first 20 attendees for actual hands on training, but the course will also provide valuable training
information for all attendees.
- 5:00 p.m. *Adjourn to prepare for the Operator of the Year Celebration*

CONCURRENT PRODUCTS & SERVICES SESSION, THURSDAY AFTERNOON, September 21, 2017 -- PLAZA B

- 1:00 p.m. **ANATOMY OF SERVICE LATERALS** – *Aaron Gilson, A.Y. McDonald*, – This session will show all products and assembly
2:00 p.m. of service laterals from water main to meter
- 2:00 p.m. **UV DISINFECTION** – *Ben Zwart - Trojan Technologies*, – Introduction to UV Disinfection of municipal drinking water
3:00 p.m. including overview of various UV system models using medium pressure and low pressure lamp technology as well as
an overview of UV system maintenance activities.
- 3:00 p.m. **BREAK – VISIT THE EXHIBIT AREA**
- 3:30 p.m. **HYDRANT O & M** – *Carlos Covarrubias - ME Simpson Company*, – Presentation will cover the most common hydrant
4:30 p.m. types. How they operate, common issues and maintenance required. How flow testing is performed and calculated as well
as the importance for your water system.
- 4:30 p.m. **ION EXCHANGE PROCESS** - *Alan Schneider - Tonka Water*, - Innovative Ion Exchange process is a revolutionary
5:00 p.m. solution for efficient, cost-effective treatment. Compared to conventional Ion Exchange, PuriX saves on salt costs and
regeneration waste.
- 5:00 p.m. *Adjourn to prepare for the Operator of the Year Celebration*

THURSDAY EVENING

- 6:30 p.m. **86th ANNUAL CONFERENCE OPERATOR OF THE YEAR AWARDS CELEBRATION** -

CROWNE PLAZA EMERALD/DIAMOND BALLROOMS – The Operator of the Year Celebration will feature "Great Boars of Fire" for dinner. Honor our fellow operators who consistently provide safe drinking water to Illinois! The Celebration will be followed by "Let's Make A Deal". Just like the popular TV game show.



FRIDAY, September 22, 2017 -- EMERALD/DIAMOND BALLROOMS

7:00 a.m. ANNUAL BREAKFAST -- ALL CONFERENCE PARTICIPANTS ARE INVITED -- Tickets available Thursday at noon.

9:00 a.m. SANITARY PROBLEMS IN STORAGE TANKS - *Clyde Zelch, Tomcat*, – A very close and informative look at sanitary problems in storage caused by thermal stratification, vents, roof hatches, over flows, vandals, and possibly cathodic protection, painting contractor damage, and poor design or construction practices on new tank projects.

10:00 a.m. SANDSTONE AQUIFERS – *Daniel Abrams, Illinois State Water Survey* – Sandstone aquifers in northern Will and Kendall counties will not be a viable source of water in the next 15-25 years. Many communities will be forced to find alternative supplies. The long term viability of the sandstone must continue to be closely monitored and evaluated.

10:30 a.m. LEGAL ISSUES WITH SHUT OFF NOTICES – *Michael Antoline, Attorney* – The paper legal procedure for water shut off notices

11:00 a.m. DETECTS IN YOUR SAMPLES – *Lori Stenzel, IL American Water Co.* – Information on how to avoid detects in your samples and options if you have detects.

12:00 p.m. ATTENDANCE REPORT AND ATTENDANCE PRIZE DRAWING – *Ken Drennan, President, 2017*

Wednesday, September 20, 2017

Cash Box Giveaway - 3:00 p.m. and 5:30 p.m. in the Vendor Exhibit Area

Raffle Drawing 6:00 p.m.

"Bags Tournament" 6:30 p.m.

Sign up for the Bags Tournament at the Registration Desk. Two winners will receive a set of Boards!

-- SPOUSE PROGRAM --

Marilyn Vaughn, Chairwoman

Welcome to the 86th Annual Fall Conference – Join us to meet new people, and have fun! There will be first-timers as well as some people who have participated for many years. We are always glad to welcome new faces!

WEDNESDAY, September 20, 2017 – Crowne Plaza Hotel -- Meet by the Front Doors closest to Conference Registration

1:30 p.m. DEPART FOR PAINTING AT EDWARDS PLACE, SPRINGFIELD ART ASSOCIATION - Travel together to Edwards Place to enjoy an afternoon of painting and conversation. A renovation is scheduled for the second floor of Edwards Place during 2017. If work proceeds on schedule, we will also tour the renovations, which open the second floor to visitors' tours for the first time.

4:30 p.m. Return to Hotel for Meet 'n Mingle, Exhibit Hall

THURSDAY, September 21, 2017

9:00 a.m. BOARD BUS, DEPART TO PETERSBURG - Kathy Oleson will take us on an auto tour of 16 historic homes. One or two homes will be open for us to tour. Lunch will be held at a local restaurant, Gilmore's Cafe. We will also travel to the cemetery where Ann Rutledge is buried, and where Edgar Lee Masters was laid to rest. There will also be a presentation on the county sites at the Mendard County Historical Society and an opportunity to view the displays at the Historical Society. Return to Crowne Plaza at 2:00 p.m. On our return, we will visit the Pease Confectioners Shop, where we will watch the chef make chocolates. We will also enjoy an afternoon desert, and will return to the Crowne Plaza by 4:00 p.m. to prepare for the Operator of the Year Celebration.

FRIDAY, September 22, 2017

7:00 a.m. CONFERENCE BREAKFAST – *EVERYONE welcome! Tickets at the Registration Desk beginning noon on Thursday.*

9:00 a.m. FARMERS' HANDKERCHIEF WREATH - *Marilyn Vaughn, On-Site Spouse Chair*, will lead the group in the construction of a wreath made from folded "farmers handkerchiefs" (also called Cowboy Kerchiefs). This attractive wreath can be used for any season.



IPWSOA ANNUAL GOLF OUTING



The Rail Golf Club
1400 So. Clubhouse Dr., Springfield, IL

Date: Tuesday, September 19, 2017 Cost: \$100.00 (includes lunch & drinks on cart)

Shotgun start beginning at 12:30 p.m.

Registration begins at 11:00 A.M. Lunch will be served from 11:00 A.M. until 12:20 P.M.

Please plan to arrive early. Complimentary tokens are available for the driving range.

Prizes will be awarded for closest to the pin, longest drive, longest putt, and low scores. Play format will be a 4-person scramble. Registration forms with a check made payable to IPWSOA Golf must be received by September 7th. Since space is limited, please register early! Questions? Call Bill Brown at Crawford, Murphy & Tilly in Springfield, telephone 217/572-1117 or e-mail to bbrown@cmtengr.com. Please include **one** e-mail address below for the contact person.

IPWSOA GOLF REGISTRATION FORM

Number of golfers:
_____ X \$100.00 = \$_____

Number of holes sponsored:
_____ X \$125.00 = \$_____ **COMPANY NAME:** _____

Total enclosed: \$_____

Your phone: _____ / _____

Your e-mail: _____

Player names: _____

Be sure to keep a copy for your records.

*Join us in September at the
Crowne Plaza!*

Mail this form with payment to:

IPWSOA
Post Office Box 401
Edwardsville, IL 62025-0401
815-314-4858

Web Address: www.ipwsOA.com

Credit Card # _____ **Expire Date:** _____

3 Digit Security Code: _____ **Card Zip Code:** _____

Name on Card: _____

86th ANNUAL ILLINOIS POTABLE WATER SUPPLY OPERATORS ASSOCIATION CONFERENCE

September 20-22, 2017

MAIL APPLICATION TO: IPWSOA, PO BOX 401, EDWARDSVILLE, IL 62025-

Conference Registration Fees: Circle to attend SPECIAL OPERATOR CERTIFICATION REVIEW AND EXAMINATION: Yes
Anyone who registers can attend the review sessions by marking "Yes". Cost is included in Registration Fee.
Those who want to take the Certification Examination given on Thursday must apply to IEPA and bring Admission Letter.

CONFERENCE REGISTRATION	Before 8/12/17	On & after 8/12/17	Amount
Technical Program Full Attendance : (includes ALL Conference activities)	\$225.00	\$275.00	_____
One-Day Attendance: (includes Technical Sessions, Exhibits, & Associations Dues Only) Please indicate which day to attend:			
Wednesday_____ Thursday_____ Friday_____	\$175.00	\$225.00	_____
Spouse Program Full Attendance: (ALL Conference Activities & Tour)	\$ 95.00	\$105.00	_____
Additional Optional Tickets Available:			
Thursday Plaza Celebration & Operator of the Year Ceremony	\$ 40.00	\$ 40.00	_____
Student Registration (Full-time Student ID Required)	\$ 30.00	\$ 30.00	_____
Retiree Registration	\$ 112.00	\$112.00	_____
Membership Only Fee (For those unable to attend the Conference)	\$ 10.00	\$ 10.00	_____
	TOTAL		\$ _____

NAME: _____

Last Name
First Name
Middle Initial

SPOUSE NAME: _____
 (If attending)
Last Name
First Name
Middle Initial

ADDRESS: _____

Street Address
Post Office Box

ADDRESS: _____ TELEPHONE: _____ - _____

City State Zip
Area Code Number Extension

Work e-Mail _____ Home e-Mail _____
Be sure to provide an e-mail address if you want confirmation of receipt of your registration.

BUSINESS or WATER SUPPLY NAME: _____

Mail this form with check or credit card payment to: Thank you for coming -- see you next year!

IPWSOA Credit Card # _____ Expire Date: _____
 P.O. Box 401
 Edwardsville, IL 62025 3 Digit Security Code: _____ Card Zip Code: _____
 Name on Card: _____

IPWSOA makes every effort to accommodate those with disabilities. Please contact us if you need assistance.
Questions? 815/314-4858 or ipwsoa@gmail.com IPWSOA website: www.ipwsoa.com

LODGING - (Be sure to request the IPWSOA Room Rates to receive the following):
Crowne Plaza -- Standard Rooms, Single, Double or Triple = \$124.00 + State & Local Taxes
Executive Suites -- \$249.00 + State & Local Taxes.

Room cancellations after August 11, 2017 shall be assessed one night's standard room cost by the Crowne Plaza.
Call Crowne Plaza Hotel Reservations, 1-217-529-7777 Ask for IPWSOA Rate

Special Conference Room Rates available until August 25, 2017.



Illinois Potable Water Supply Operators Association (IPWSOA)
P.O. Box 401
Edwardsville, Illinois 62025-

GREAT BOARS OF FIRE RETURNING TO IPWSOA!



**ILLINOIS POTABLE WATER SUPPLY OPERATORS
ASSOCIATION 86th ANNUAL FALL CONFERENCE**

CROWNE PLAZA, SPRINGFIELD, IL



SEPTEMBER 20 - 22, 2017

IPWSOA
Post Office Box 401
Edwardsville, IL 62025
815-314-4858
www.ipwsoa.com