

*Come to the Annual Conference and learn
how to navigate the water business!*

This year, the IWEA will host its 31st Annual Conference. It is expected that more than 300 water professionals will participate in the technical sessions and workshops. The conference will provide:

- Networking opportunities
- Exhibits of equipment and services
- Education programs
- Discussion of regulatory changes
- Presentations of awards and recognitions
- Social events including the Annual Banquet

PDH's

Earn PDH's by participating in the technical sessions held each day of the conference.

Hotel Information

Embassy Suites
100 Conference Center Drive
East Peoria, Illinois 61611
(309) 694-0200

Conference Attendees may reserve rooms at the Embassy Suites at a single/double rate of \$139.00/night. There is an additional \$10.00 per person for triple or quad occupancy. All rooms are suites and include an evening manager's reception and a cooked-to-order breakfast.

Reserve your room before February 2, 2010 to qualify for the \$139.00 conference room rate. Please mention IWEA when making reservations.

**Navigating the
Water Business** 

*Be sure to attend the IWEA Annual Conference
Banquet on the Spirit of Peoria riverboat!*

Monday, March 1, 2010

6:00 p.m.

*Dedicated to
improving Illinois'
surface, sub-surface,
and atmospheric water*



Illinois Water Environment Association
P.O. Box 337
West Chicago, IL 60186

**IWEA 31st
annual**
Conference & Exhibition

March 1-3, 2010
Embassy Suites
East Peoria, Illinois

**Navigating the
Water Business** 

Illinois Water Environment Association

IWEA 31st annual Conference & Exhibition

March 1-3, 2010
Illinois Water Environment Association

Register on-line at www.IWEAsite.org or fill out this form and follow mailing instructions below.

Name _____

Title _____

Employer _____

Address _____

City, State, Zip _____

Telephone Number _____ First-Time Attendee

E-mail _____

| Program Package | Member | Non-Member* | Amount |
|---|--------|--------------|--------|
| Full Conference ¹ | \$250 | \$275 | _____ |
| Full Conference (after January 15th) ¹ | \$275 | \$300 | _____ |
| Monday Registration, March 1 ² | \$100 | \$125 | _____ |
| Tuesday Registration, March 2 ² | \$125 | \$150 | _____ |
| Wednesday Registration, March 3 | \$ 75 | \$100 | _____ |
| Banquet only, March 1 | \$ 60 | \$ 60 | _____ |
| | | Total | _____ |

¹ Registration includes both luncheons and banquet.
² Registration includes luncheon.

*All non-member registration fees include new affiliate membership for one year.

Payment Information

You have three options to consider for payment towards the IWEA Annual Conference:

- For easy and immediate registration, use your credit card at www.IWEAsite.org. Just click on Conferences & Events, and find the Annual Conference Information link. You may use your MasterCard, VISA, American Express or PayPal when registering on-line. You can register on-line until the day before the event with the added \$25 fee after January 15th.
- Complete this form, and mail it with a check to the address below.
- Complete this form and bring it to the registration desk at the Conference. You may pay with cash, check or credit card (MasterCard, VISA or American Express) at the registration desk.

NOTE: Purchase orders will not be accepted.



Please return this registration form with check payment to:

IWEA
P.O. Box 337
Wheaton, IL 60186

More information available at www.IWEAsite.org

Monday, March 1, 2010

Session 10 Construction

- 9:00 - 9:30 Design/Build of Dewatering and Drying
Matthew Wildman
- 9:30 - 10:00 Case Study: Clinton Emergency Bar Screen Replacement Project
Paul O'Brien and Joe Gorgan
- 10:00 - 10:30 Compounds of Emerging Concern in Wastewater Treatment- A Synthesis of the Current State of Knowledge
Sam Jeyanayagam, Malcolm Pirnie
- 11:00 - 11:30 Why Does My New Concrete Tank Leak?
Charles Hanskat
- 11:30 - 12:00 Construction Issues at WWTPs
Johon Szewdo

Session 11 Energy 1

- 9:30 - 10:00 Energy Production by Microbial Fuel Cells
Daniel Small
- 10:00 - 10:30 Sustainable Energy Recovery Systems Provides Revenue While Reducing Carbon Footprint at Wastewater Treatment Facilities
Jyh-Wei (Al) Sun
- 11:00 - 11:30 Maximizing Returns on Digester Gas System Improvements
Vic Smith
- 11:30 - 12:00 The Case for Biodegradation Pathway from Energy Recovery from Biosolids
Gary Shimp

12:00-1:00 Lunch

Session 20 Reuse

- 1:00 - 1:30 Spray Irrigation: Not Putting the "E" in NPDES After All?
Steven Zehner and Pavel Hajda
- 1:30 - 2:00 Effluent Reuse on Golf Course - A Sustainable Win-Win Solution
Michael Lutz
- 2:00 - 2:30 Wastewater Reuse is Here: Sustainable Water Supply Strategies for Illinois
Barney Fullington and Monte Cherry
- 2:30 - 3:00 Implementation of Water Source Heat Pumps Utilizing Plant Effluent Water
Joseph Dinkel and Richard Mehl

3:30-5:00 Exhibit Hall Reception

3:30-5:00 Business Meeting

6:00-10:00 Banquet on the Spirit of Peoria riverboat

Conference HIGHLIGHTS

Monday, March 1st

Technical Sessions
Exhibits (3:00 pm - 6:00 pm) • Exhibitor's Reception
Business Meeting • Annual Banquet (Dinner & Awards)

Tuesday, March 2nd

Young Professionals Breakfast
Technical Sessions
Exhibits (11:00 am - 6:00 pm) • Exhibitor's Luncheon
Exhibitor's Reception

Wednesday, March 3rd

Technical Sessions • Watershed Management Symposium
Greater Peoria Sanitary District WWTP Tour

Tuesday, March 2, 2010

Session 30 Laboratory

- 8:00-8:30 Ethics and Data Integrity Requirements for Small Laboratories
Tambra Thomas
- 8:30-9:00 Protozoa as Indicators of Activated Sludge Treatment System Conditions
Auralene Toni Glymph
- 9:00-9:30 A Small Laboratory's Experience with NELAC Certification
Mary Johnson
- 9:30-10:00 Can the New Water Quality Criteria Be Applied to POTW Permit Compliance Monitoring?
Geeta Rijal
- 10:30-11:30 The P2D2 Program (Prescription Pill and Drug Disposal Program Network) Passing the Torch - Educating
Paul Ritter

Session 31 Biosolids

- 8:00-8:30 Biosolids on the Farm - The Latest Updates
Greg Firrantello
- 8:30-9:00 Biosolids Usage in Illinois: An Overview
Jeff Hutton and Alan Keller
- 9:00-9:30 Nutrient Management Planning for Illinois Cropland
Paul Youngstrom
- 9:30-10:00 Farmland Application of Biosolids by MWRDGC
Albert Cox
- 10:30-11:00 Weather the Biosolids Storms: Forecasting and Preparation
Nick Basta
- 11:00-11:30 Panel Discussion

Session 32 Wet Weather/CSO

- 8:00-8:30 Stormwater Pump Station Reliability Improvements for the Village of Wilmette
Preston VanDeusen and Brenda Fierro
- 8:30-9:00 Update on Peoria CSO Long-Term Control Plan
Jane Gerdes and Greg Asbury
- 9:00-9:30 Looking Within: Re-Evaluation of Santa Rosa Operational Strategy Allows the City to Save over \$50 Million in Capital Upgrades
William Barrack II and David Guhin
- 9:30-10:00 Combined Sewer System Modeling - An Overview
Ranadeep Das
- 10:30-11:00 Staging Inline Storage and Green Infrastructure: Low-Cost Steps Towards Control of a Large CSO
Gunilla Goulding
- 11:00-11:30 Informed Capital Improvement Planning Using Chicago's City-wide Trunk Sewer Model
Caitlin Feehan

11:30-1:00 Lunch in the Exhibit Hall

Session 40 Operations

- 1:30-2:00 Revolutionizing CSO Operation and Management: High Density, Real Time Monitoring in South Bend, IN's CSS
Timothy Ruggaber and Patrick Henthorn
- 2:00-2:30 Collection System Data Collection and Management for the Future
Karol Giokas
- 2:30-3:00 Taking a Bite Out of the Biggest Piece of the Energy Pie: Energy Audits and Benchmarking of Activated Sludge Aeration Systems
Derek J. Wold
- 3:30-4:00 5-Year Payback: DO Control and Plant Automation at the City of Mattoon WWTP
Terrence Boyer
- 4:00-4:30 The Design, Construction and Operation of the Biological Nutrient
Mark Halm and Darrin Boyer

Session 41 Energy II

- 1:30-2:00 Energy Efficiency by Design in a WWTP
Frank Tiefert and Jim Keim
- 2:00-2:30 Energy Efficient Lighting
Amy Schweig
- 2:30-3:00 Energy Consumption Versus Water Quality at Wastewater Treatment Plants
John Norton

- 3:30-4:00 Energy Efficiency Improvements at Des Plaines, Phase 1 City of Mattoon WWTP
Terrence Boyer
- 4:00-4:30 Optimizing Your Fine Bubble Diffuser Investment with Closed Loop Dissolved
Mark Halm and Darrin Boyer

Session 42 Wastewater Treatment 1

- 1:30-2:00 Evaluating Your Filter Options
Gregory Droessler
- 2:00-2:30 Side-by-Side Evaluation of Ultraviolet Disinfection Systems
Kamlesh Patel
- 2:30-3:00 The Effect of Ferric Chloric Addition and Filtration on UV Disinfection
Joseph Kozak
- 3:30-4:00 Techniques for MBR Energy Cost Savings
Steve Berggruen
- 4:00-4:30 Process Wastewater Membrane Treatment System Design Build for an ???
Amy Brill

4:30-6:30 Exhibit Hall Reception

Wednesday, March 3, 2010

Session 50 Wastewater Treatment II

- 9:00-9:30 Start, Performance Testing and Operation of Indiana's First Biological Aerated Filter Treatment System
Terrence Boyer
- 9:30-10:00 A Different Heating Method for Anaerobic Digestion - Case Study of Direct Steam Injection
Paul Schoessow
- 10:00-10:30 Package Plant Donut Retrofit Possibilities - Upgrading to Meet New BNR Limits
Brandy Nussbaum
- 11:00-11:30 Implementing Proven State-of-the-Art Wet Weather Treatment Strategies in the Face of Regulatory Uncertainty
Jim Fitzpatrick
- 11:30-12:00 Client Criteria-Based Decision Matrix for the Selection of a Wastewater Treatment Plant
John Pohl

Session 51 Watershed

- 8:30-9:00 TMDLs - They May Not Be What they Should Be
Kevin White
- 9:00-9:30 Flooding Improvement Alternatives for the Little Calumet River Watershed, Chicago, IL
Daniel Bounds
- 9:30-10:00 Using Watershed Based Planning to Integrate Our Water Resource, Stormwater and Wastewater Management Efforts
Michael Novotny
- 10:00-10:30 Development of an Integrated Strategy to Meet Dissolved Oxygen Water Quality Standards in the CAWS
Paul Shadrake
- 11:00-11:30 Fox River Watershed Extensive Biological and Chemical Investigation within the Fox Metro Water Reclamation District
Karen Kempson Clementi
- 11:30-12:00 Effective TMDL Implementation in Illinois: The DuPage River/Salt Creek Workgroup
Steven McCracken and Daniel Bounds

1:00-3:00 Watershed Management Symposium

1:00-4:30 Greater Peoria Sanitary District Plant Tour

* Program Subject to Change

Tuesday, March 2nd

- 8:00 - 9:00 am Young Professionals and Students Breakfast
- 1:30 - 3:00 pm Young Professionals and Students Paper Presentations
- 3:00 - 4:00 pm Young Professionals Exhibitor Event

Wednesday, March 3rd

- 1:00-4:30 pm Young Professionals Greater Peoria Sanitary District Facility Tour

