



BIGGER AND BETTER

It's conference time! The IWEA, in conjunction with ISAWWA, is pleased to present our third joint conference: WATERCON 2011. The conference will be held March 21-24, 2011 at the Crown Plaza Hotel and Conference Center in Springfield Illinois. You can register for the conference on our web site, www.iweasite.org. Things look a little different this year on the registration form. You will notice that the IWEA banquet and awards ceremony is not included in the full conference registration (with meals) this year. Because we are partnered with ISAWWA, it made sense to break the IWEA banquet out of the full registration. So please be sure to include the banquet on your registration form. We are pointing this out because we want everyone to come out and enjoy the banquet and celebrate the award winners with us. This year's banquet will be held at the Inn at 835 in downtown Springfield.

A new feature fundraiser this year will be a Texas Hold'em Event, being held on Tuesday night from 9:00 p.m. to 12:00 midnight. IWEA's portion of the proceeds will go to support the Stockholm Junior Water Prize Competition in Chicago this June. This should be a great time for players and non-players alike. There will also be the traditional 50/50 raffle occurring during the exhibit hall hours as well. The 50/50 raffle helps to support Water For People. Please plan to participate in the events and help support some great causes!

The exhibition hall opens on March 22 at 10:00 a.m. Over 150 vendors will be on site during the exhibit hours of 10:00 a.m. through 6:00 p.m. on Tuesday and 8:00 a.m. to 1:00 p.m. on Wednesday. The Meet and Greet Reception will be in the Exhibit Hall at 5:00 p.m. on Tuesday. Be sure to stop by the exhibit booths during the conference and also express your appreciation to our Conference Sponsors for this year.

Of course a conference wouldn't be a conference without presentations. We have a fantastic lineup this year. Topics of interest to IWEA members can be found Monday through Wednesday. Monday topics include management, new products, UV disinfection, energy (including a round table discussion), research, biosolids and nutrients. Tuesday topics are operations, laboratory, more management (we can never get enough), engineering, collection systems, wet weather, new products, energy, treatment, water quality, tanks, and meters. Wednesday includes the Watershed Management Symposium and Lake Springfield Watershed Implementation tour. These are general topic headings; see the IWEA website for detailed information on our presentation lineup.

The annual IWEA Business Meeting will be held on Monday afternoon. At this meeting, each of the Committee Chairs will give their annual reports highlighting the activity of IWEA over the past year. This is a great way to learn about IWEA and what goes on throughout the rest of the year.

See you at the conference!

PRESIDENTIAL PONDERINGS



LOOKING BACK AND LOOKING AHEAD

By Dennis Priewe

As my term of service as President of the Illinois Water Environment Association begins to come to an end, I look back at the accomplishments that have been made not only in 2010, but since I became an active member. It is hard to really understand the full scope of accomplishments made by our members over the years unless one is actively involved on either the committee level or Executive Board level. My involvement in IWEA, first as Treasurer, and then on the Board, has really given me a new perspective on how impressive an organization IWEA is. This level of excellence was recognized by the Water Environment Federation when it bestowed the 2010 Member Association of the Year Award to IWEA at WEFTEC 2010. Looking ahead, I am confident that this same level of commitment and excellence will continue in the future.

The IWEA website, www.iweasite.org, highlights several of the significant IWEA accomplishments over its 30 year history. I think most members think of IWEA as a source for technical information and education through its

many workshops, seminars and conferences. However, IWEA is much more than that. The IWEA has become a philanthropic organization through our scholarship programs and charitable giving. Scholarships are given to students through our SIU endowment, support for the Illinois Junior Academy of Science winners, and the new higher education scholarship program. IWEA has made charitable donations over the past to IIT's Student Haiti Project, Water For People, and WERF, to name just a few. We have worked to expand our scope of exposure in the water environment by partnering with other organizations. IWEA has worked with CWSEA, WEF, ISAWWA, IAWPCO, IWWSG, and IIT on a variety of educational programs. In 2011, we will also be partnering with USEPA to present an Asset Management Workshop (Our active members will know what each of these acronyms mean. If you didn't get them all, I invite you to become more active by contacting your favorite committee or Board member!). The IWEA also has a very strong program working with our younger members to encourage the development of their skills and knowledge toward a life working in the water environment. Just a few of the programs dealing with our youth include the Illinois Junior Academy of Science, Stockholm Junior Water Prize, Student Chapters, Young Professionals Committee and the IIT Student Haiti Project.

Looking forward to 2011 and beyond, IWEA has a very

continued on page 3

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*Front page article by
Sandy Conrad, Programs
Chair and Dennis Priewe,
President*



RECYCLE!



Illinois Water Environment Association is a Member Association of the Water Environment Federation dedicated to improving Illinois' surface, sub-surface and atmospheric water. The *ILLINOIS CLARIFIER* is a quarterly publication of IWEA providing pertinent information by, for and about IWEA Members. The opinions contained herein are those of the authors and not necessarily those of the IWEA or the *Illinois CLARIFIER* committee. Copy deadlines are the 15th of January, April, July and October. Direct comments and inquiries to: *Illinois Clarifier*, Heather Wachter, Managing Editor; e-mail: ILClarifier@iuno.com; website: <http://iweasite.org>. Printed on recycled paper. Share with a friend and prospective member, then recycle.

DELEGATE'S CORNER

By Lou Kollias, Delegate 2011

It's been several months since WEFTEC and both John Lamb and I have been busy working on two House of Delegates (HOD) Workgroups. John is participating on the Operator Outreach Workgroup. The focus of this workgroup is wastewater operator training and certification. The group is primarily working on the training aspect right now and possibly certification in the future. The Workgroup objectives for 2011 are: survey Member Associations (MAs) regarding any training they provide for operators; work with WEF to develop a centralized repository for training information for MAs; and work with WEF committees and other groups to develop regional training workshops.

The workgroup has been having monthly conference calls since WEFTEC. They have developed an MA Operator Training Survey. The purpose of this survey is to find out what MAs are doing to train operators, what is successful, what they can share with other MAs, and what can WEF do to assist the MAs. The survey, when completed, will go out to MA executives. The workgroup members will then follow up with personal phone calls to each MA. A date has not been set for sending out the sur-

vey. The workgroup will work with WEF to determine what level of support WEF can provide for training. Regional training is a concern due to travel costs. The workgroup will wait for survey results before moving forward with this discussion. This may be a potential topic for future WEFMAX meetings. John will keep the Executive Board up to date on developments and he believes this is an area that IWEA and its members could benefit from.

I am the Chair of the HOD Representation Workgroup. Their focus for 2011 is to discuss and determine appropriate representation for large MAs. The issue of representation for small MAs was the focus in 2010. Our workgroup is also working on a survey which will determine how the MAs feel about increasing the HOD by allowing more Delegates for the larger MAs. The actual breakdown will be determined after serious discussions and receipt of the surveys. Changing the number of HOD Delegates is something that can't be taken lightly; the WEF Constitution and By-Laws will have to be changed. We are having monthly conference calls and intend to come up with a recommendation before WEFTEC.

LOOKING BACK AND LOOKING AHEAD *continued from page 2*

bright future. The year 2011 is already shaping up to be one of our best years ever. The Annual Conference will be our third joint conference with ISAWWA. In June, IWEA will host the Stockholm Junior Water Prize competition in Chicago. Chuck Corley and his committee have been working very hard to insure that this will be a premier event. Beginning in 2013 and every other year after that, IWEA will co-host WEFTEC in Chicago. The committee chairs and their members are in the various stages of planning or presenting their workshops and conferences for 2011. The 2011 Government Affairs Conference is scheduled to run concurrently with the Stockholm Junior Water Prize so that as many people as possible will have an opportunity to see the work of the young students participating in the competition.

It has been a great pleasure serving as IWEA President. I have enjoyed working with the Executive Board and Committee Chairs in an effort to bring to our membership the quality programs that we have all become used to experiencing. I have forged the strong bonds of friendship that will stay with me for the rest of my life.

SAVE THE DATE

WATERCON 2011

The third Joint Conference and Expo of the Illinois Section AWWA and the Illinois Water Environment Association

March 21st through March 24th, 2011

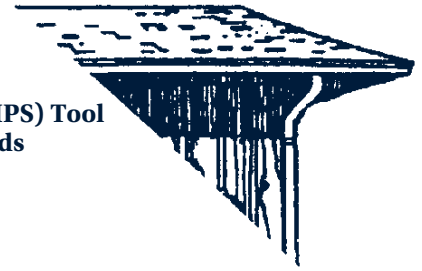
Crowne Plaza Hotel and Conference Center
Springfield, IL

Visit <http://isawwa-portal.com/WATERCON2011.aspx> for more information.

IWEA CALENDAR OF EVENTS

Date	Meeting/Activity	Location
February 17, 2011	Industrial Pretreatment Dinner Meeting	The Clubhouse, Oak Brook
March 21, 2011	Annual Dinner Meeting	Crowne Plaza Hotel, Springfield
March 21-24, 2011	Joint IWEA/ISAWWA Annual Conference	Crowne Plaza Hotel, Springfield

from the SHIED ... promoting the understanding of
nonpoint source issues, including storm water and watershed management



Watershed Group Develops Bioassessment Data and an Integrated Priority System (IPS) Tool to Assist in Managing Restoration Activities - DuPage River and Salt Creek Watersheds

*By Dan Bounds, Watershed Management Chair, and
Stephen McCracken, The Conservation Foundation*

The task of assessing watersheds and making decisions on restoration activities can be a daunting one. The myriad of factors influencing surface water quality, lack of sufficient data, and uncertainties with respect to causes and effects all contribute to the difficulty of arriving at a scientifically defensible position. Since 2005, the DuPage River Salt Creek Workgroup has been gathering bioassessment monitoring data in addition to historical chemical water quality monitoring to provide a sounder scientific basis for identifying impaired waters and diagnosing the causes of biological impairment for the Upper DuPage River and Salt Creek Watersheds. The Workgroup is currently using the bioassessment and other data to develop an Integrated Priority System (IPS) as an adaptive management tool for identifying and prioritizing stream segments and projects which address the most limiting biological stressors, have measurable restoration endpoints, and a reasonable likelihood of success.

To build the management tool, a number of analyses were performed to identify stressors acting on area aquatic communities. Relationships between primary stressors and biological communities were analyzed to populate the IPS algorithm, along with spatial data such as the extent of undeveloped, industrial, or commercial areas, and road density in the drainage areas. The algorithm used to prioritize stream segments is relatively simple, and is essentially based on ranking the number of identified stressors, magnitudes of biological impairments, and the amount of open space adjacent to each stream reach. The assumption is that segments with relatively few stressors, modest biological impairment, and room for habitat restoration are likely to respond faster to restoration activities than segments where the converse is true. Stream reach-level projects can be developed with a list of objectives, such as reducing chloride concentrations, controlling metals, or restoring stream habitat / riffles.

Currently, Workgroup members are reviewing projects developed through using the IPS tool to determine which activities will best meet the objectives for their stream reaches. The Workgroup's ongoing bioassessment work will evaluate if the IPS tool is hitting the mark. For more information on the IPS tool, visit <http://www.drscw.org/projectID.html>.

IWEA Watershed Management Symposium

Mark your calendars for IWEA's 2011 Watershed Management Symposium! This year's symposium will be March 23, 2011 during WATERCON 2011, the IWEA / ISAWWA Joint Water Conference and Expo at the Crowne Plaza Hotel & Conference Center in Springfield. The symposium will feature new information and perspectives on watershed management from regulatory representatives, updates on watershed restoration and protection from several Illinois watershed groups, and a guided field tour of Lake Springfield watershed improvement measures.

GOVERNMENT AFFAIRS SEMINAR

By Lou Kollias, Government Affairs Chair

In 2011, the Government Affairs Seminar will not be held in January; it will be held on June 24, 2011 at the Palmer House in Chicago as part of the Stockholm Junior Water Prize (SJWP) competition being sponsored by Illinois WEA.

The seminar will include IWEA's standard Government Affairs agenda with a keynote speaker and several presentations on emerging issues. In addition, after lunch, attendees will enter the Exhibit Hall where the SJWP contestants will have their projects on display. It should be a great opportunity to meet the students and discuss their projects.

Be sure to mark it down on your calendar today!

SJWP: FIVE MONTHS AND COUNTING

By C. E. Corley, IWEA-SJWP Chair

As of January, there are five short months for IWEA in conjunction with WEF's Stockholm Junior Water Prize Committee to put together a program of events and activities for the 125 SJWP students, teachers and guests. Chicago in June will see the arrival of the high school science fair winners from throughout the United States and Puerto Rico. The final touches are being put on the agenda and schedule of events. Once the schedule is final, the intensity of work increases to fill in the agenda then provide students, teachers, and guest a memorable "Chicago" experience. The site this year is the Hilton Palmer House Hotel on State Street, that "Great Street" in the heart of Chicago's Loop.

Among the activities planned are reversing the Chicago River. No, it is not related to returning the flow back to Lake Michigan, but instead a student project. They will be asked to go back in time, early 1900, when disease outbreaks and pollution of the lake needed a solution. Students will be expected to help the citizens of the Windy City solve the drinking water pollution problem and actually reverse the Chicago River flow on a topographic clay diorama. There will be a riverboat and lake tour to emphasize this concept and allow a close-up view of the solution that went into effect 100 years ago.

Other activities for students and teachers will be an intimate tour of the Shedd Aquarium and the Field Museum of Natural History. The teachers will be introduced to the use of comedy and improv as means of enhancing education. Other activities, some of which will start on Thursday June 23, 2011, will start with icebreakers for students and teachers, a "get-to-know-you" dinner, and

comedy entertainment.

The fundraising for this event is going well with nearly 75 percent of our budget raised so far. IWEA members will get their chance to contribute at the 2011 WaterCon annual conference held in March in Springfield.



This year's Government Affairs conference will be held in conjunction with the SJWP competition on Friday June 24, 2011 at the Palmer House (you may have noticed it was not scheduled for January this year). When you register for the Government Affairs conference, you will also get an opportunity to view the student water pollution related projects in the afternoon.

As the competition approaches, the committee will be looking for volunteers to monitor transportation for the students and teachers from both major Chicago airports. Both Mark Halm and Lou Storino will need your help.

For additional information about the IWEA activities to present the SJWP Competition this year, please contact Chuck Corley at (815) 987-7760 or charles.corley@illinois.gov.



2011 Stockholm Junior Water Prize Comes to Chicago

NOMINEES 2011-2012

The 2011-2012 nominees for the Executive Board and WEF Delegates have been selected. Kendra Sveum, nominee for Second Vice-President, and Tim Kluge, nominee for WEF Delegate, were presented to the Board at the September meeting and were unanimously approved. The election of the nominees by the Association will take place at the Annual Meeting in March.



FOR THE OFFICE OF PRESIDENT-ELECT, MARK HALM

Mark is a Vice President and Principal with Walter E. Deuchler Associates, Inc. of Aurora, Illinois. He holds a B.S. and a M.S. in Civil & Environmental Engineering from Marquette University and also has a M.B.A. Since completing his M.S. degree in 1992, he has worked as a wastewater treatment plant design engineer, and is a licensed PE. Mark has served as the chair of Young Professionals Committee, on the Program Committee for the past eight years, and on the Public Education & Student Affairs Committee. He has been a WEF and IWEA member since 1992 and is a member of the I5S society.



FOR THE OFFICE OF PRESIDENT-ELECT, KRISHNA R. PAGILLA, PH.D., P.E., PROFESSOR

Dr. Pagilla is a registered professional engineer and a Professor at the Illinois Institute of Technology. He holds a Ph.D. in Civil/Environmental Engineering from the University of California, Berkeley and is a member of Engineers without Borders, Haiti Outreach. His expertise is in wastewater treatment, sludge treatment and reuse, environmental engineering and science research. Dr. Pagilla holds leadership positions in the Water Environment Federation, International Water Association and Association of Environmental Engineering and Science Professors. He has been active in IWEA with WEFTEACH at WEFTEC, Chair of Local Issues for WEFTEC 2008, Student Activities Associated with Engineers without Borders, Haiti Outreach and numerous Operator Training and Technical Seminars at IWEA Annual Conferences and Workshops.



FOR THE OFFICE OF FIRST VICE-PRESIDENT, DAN BOUNDS

Dan Bounds is a Principal Engineer for CDM in Chicago, and has managed or led the development and implementation of numerous water quality programs and projects throughout the US. He has a B.S. in Civil Engineering from the University of Illinois, an M.B.A. from Eastern Illinois University, and is a licensed Professional Engineer in Illinois and California. Dan spent the first several years of his career as an Engineer with the Illinois Environmental Protection Agency in the Champaign Regional Office, and is now one of CDM's national Water Resources Division group leaders. Dan is currently the Chair of IWEA's Watershed Management Committee and has previously served as Chair of IWEA's Marketing Committee. He is also a member of the Water Environment Federation's Watershed Management Committee, and a Diplomate Water Resources Engineer with the American Academy of Water Resources Engineers.



FOR THE OFFICE OF SECOND VICE-PRESIDENT, KENDRA SVEUM

Kendra Sveum is a Water/Wastewater Process Engineer with Donohue & Associates in Chicago, Illinois. She has worked on the design and rehabilitation of treatment plants across the Midwest and is a licensed PE in Illinois. Kendra has a B.S. in Chemical Engineering and a Masters of Environmental Engineering from Illinois Institute of Technology. As an undergraduate, she served as the first President of the IWEA Student Chapter. Since then she has served as the chair of the Young Professionals Committee, is a member of the Student Chapter Committee, served on the WEFTEC Local Arrangements Committee, and was the recipient of the Outstanding Young Professional Award in 2009 for IWEA. She also has several leadership roles with the Water Environment Federation in the Students and Young Professionals Committee, Municipal Wastewater Treatment Design Committee, and Technical Practice Committee.



FOR THE OFFICE OF WEF DELEGATE 2014, TIM KLUGE

Tim Kluge is Technical Director at the Sanitary District of Decatur where he oversees the Operations, Laboratory and Pretreatment, and Instrumentation & Control departments. Prior to employment by the District in 2007, he worked over 31 years with the Illinois EPA in field operations and industrial permitting. Tim has been an IWEA member since the Association's inception, and served as IWEA President in 1998-1999. He chaired the Program Committee for several years and has also served on the Awards, Industrial Wastewater, Local Arrangements, and Nominating committees. Tim is a member of the I5S Society and was presented with the WEF Arthur Sidney Bedell Award in 2005.

ELECTRICITY AND WATER DO MIX

ENVIRONMENTAL TRADEOFFS: ENERGY CONSUMPTION VERSUS WATER QUALITY

By John W. Norton, Jr., Ph.D., P.E., LEED AP (EPEC Committee Member)

Introduction

The need to reduce energy costs and consumption has created drivers at variance with traditional goals of water quality and environmental protection. The conflict between these goals is particularly compelling at wastewater treatment plants (WWTP) that treat traditional municipal wastewater flows.

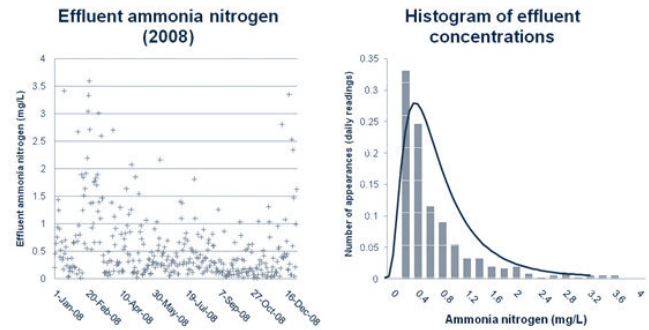
For instance, the oxidation of biological oxygen demand (BOD) and ammonia in the secondary treatment system requires blower energy to provide the necessary oxygen. The greater the required level of treatment, the greater the energy demand. In addition, both influent concentrations and biological treatment processes contain considerable inherent variability. Since there are regulatory limits on the discharge concentrations of both BOD and ammonia, WWTP operators may choose to overaerate in order to obtain a margin of safety against permit exceedences. The result is that the actual discharge concentration is well below the permitted discharge concentration.

Tradeoffs are inherent to every decision process – an option cannot *maximize* all of the criteria relevant to a decision. A house might be cheapest, or in the best school district, or closest to work, or have the best nightlife, but cannot be all of these at once. Instead, a decision can *optimize* the criteria by making tradeoffs between competing goals based on various priorities. Similarly, public utilities choose options that involve tradeoffs between competing goals. Often tradeoffs are qualitative, and often cannot be explicitly calculated.

The goal of this article is to highlight the issue that these tradeoffs do exist, present an approach by which they can be calculated, and through its use enable utilities to engage in deeper discussion of their operational options and evaluation criteria.

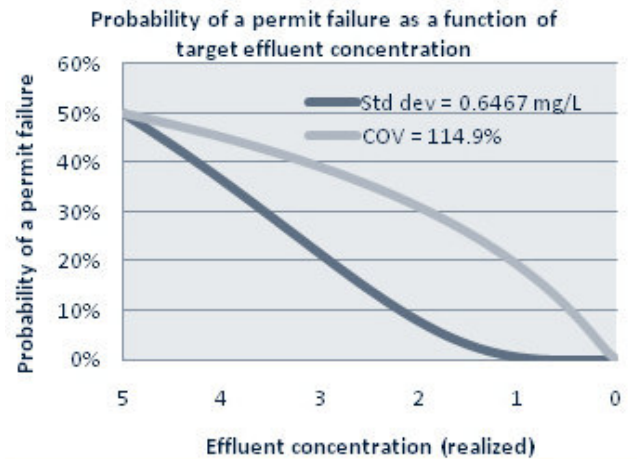
Technical Approach

An analytical solution for the tradeoff between energy consumption and the probability of a permit violation was calculated, using historical coefficient of variation, for a large Midwest wastewater treatment plant. Discharge concentration set points were used as the plant's energy demand statistic, since the specific energy consumption used to achieve any particular discharge concentration set point varies based on both plant specifics and regional environmental factors (Note that this is a conservative assumption, as the oxygen set point varies according to oxygen transfer rate, which in turn varies with energy input raised to an exponent smaller than one.). A closed-form solution was calculated by determining the log-normal effluent parameters using the plant's 2008 effluent data, and the permit ammonia limit was assumed to be 5.0 mg/L. Below are the historical data and histogram of effluent concentration along with log-normal model.



Risk of Permit Failure as a Function of Treatment Goal

The graph below shows the failure calculations for two scenarios, one with constant standard deviation and one with constant coefficient of variation. The “true” value is bounded by these two extremes. For instance, for a utility-chosen treatment target of 2 mg/L effluent nitrogen, the chance of an effluent concentration exceeding 5 mg/L is between 7 and 30 percent. As the utility increases or decreases its treatment goal, the actual chance of exceeding the 5 mg/L limit respectively increases or decreases as well.



Conclusion

For any particular treatment goal, the inherent variability of the effluent concentration can cause a permit violation. Traditionally, the amount of required treatment was increased to lower the chance of a permit violation. A clear and specific inverse relationship exists between energy consumption and water quality. WWTP operators can assess the tradeoffs between water quality risks and energy consumption by following this proposed method of analysis as part of a comprehensive set of information used to assess and prioritize infrastructure and organizational options.

IVWEA YOUNG PROFESSIONALS ENCOURAGE NATIONAL INVOLVEMENT

By Susen Kumar Gali, Young Professionals Chair

The 2011 Water Environment Federation Young Professionals Summit is scheduled for April 14th at The Seelbach Hilton in Louisville, KY. The YP Summit offers a wide variety of professional development sessions built on career enhancement topics including job advancement, leadership skills and sharing of organizational YP Programs. Across North America, YP members of WEF and AWWA, and non-members, are invited to attend this annual event. Following is a list of just some of the programs being offered for the YP's at the Summit:

April 13, 2011 – Optional YP Tour

April 14, 2011 – YP Summit (Shari Harley will teach “How to Say Anything to Anyone”)

April 15–16, 2011 – WEFMAX Meeting (all WEF attendees are invited)

Please visit the following web page for the details about the registration for the Summit and the hotel: www.wef.org/Members/page_ma_detail.aspx?id=3207&ekmense=c57dfa7b_95_0_3207_7

If you have any questions, please contact YP Chair Susen Kumar Gali at galiSK@cdm.com or (312) 346-5000.

STUDENTS AND YOUNG PROFESSIONALS DAY AT ISAWWA/IWEA JOINT CONFERENCE

WEDNESDAY MARCH 23, 2011

By Lou Storino, Student Chapters Chair

The Student Chapters and Young Professionals Committees have been working with the Conference Program Committee to offer Students and Young Professionals experiential opportunities during the ISAWWA/IWEA Joint Conference to be held in Springfield. These opportunities include making a 15 minute presentation with a question and answer session and presenting a judged poster. Wastewater poster presenters will receive a free one day registration for the conference, including breakfast and lunch, as well as the opportunity for a \$200 1st place and \$100 2nd place prize. Please contact Lou Storino at louis.storino@mwr.org or Susen Gali at galiSK@cdm.com to participate.

A full schedule of Student and Young Professional conference events on Wednesday, March 23, 2011 includes:

8:00 a.m. – S&YP Breakfast (Sangamon Room)

9:00 a.m. – S&YP Keynote (Sangamon Room) – Best Practices in Leadership, by Kyla Jacobsen, City of Elgin

10:30 a.m. – S&YP Presentations (Sangamon Room)

3:00 p.m. – S&YP Poster Contest Display (2nd Floor Lobby)

4:30 p.m. – S&YP Poster Contest Judging (2nd Floor Lobby)

6:00 p.m. – S&YP Bowling (meet in 1st Floor Lobby; provide your own travel)

Please support and encourage the students and young professionals by attending the presentations at 10:30 a.m. and poster viewing at 3:00 p.m. on Wednesday March 23, 2011.

Welcome to Our New Members!

By Frederick Wu, Membership Chair

October 2010

Jakob Andersen, Consulate General of Denmark

Mengye Chen

Philippe Moreau, Walter E. Deuchler Assoc., Inc.

Mike Schiazzano, Metropolitan Industries Inc.

Jerry Ruth, TAI Engineering

September 2010

Graham L. Morin, AirGas

August 2010

Karol Giokas, RJN Group

Bob Langie, MJK

Preet Mittal

Richard A. Novak, Praxair, Inc.

Steven Earl Zamaites

July 2010

Ramachandra Achar, BP North America Inc.

Tadeusz John Bobak

Bruce R. Butler

Domenico G. D'Alessandro, D'Alessandro & Associates

Mei Jiang

Stephanie Johnston, Hanley Wood Business

Larry Louis Kasper

Thomas Ledolter, Siemens

Jacob M. Loeske, Buchart Horn Inc.

Daniel S. Miller

Mark A. Montgomery

Susan M. O'Connell, Metropolitan Water Reclamation

District of Greater Chicago

Mira Para, Buchart Horn Inc.

Vic Smith, Greeley Hansen

Steve Yoon

ANOTHER SUCCESSFUL COLLECTION SYSTEM SEMINAR & EXHIBITION

By Alan J. Hollenbeck, P.E., B.C.E.E., Collection Facilities Chair

One hundred and two attendees and exhibitors participated in the Collection Systems Seminar and Exhibition held on November 4, 2010. The annual event was, once again, held at the Hyatt Hotel in Lisle. Participants drove from Crystal Lake and Libertyville to the north, Moline and DeKalb to the west, and Lockport and Frankfort to the south to attend the seminar and view the exhibits.

IWEA President Dennis Priewe kicked off the program with a welcome. In addition, during the seminar program, Bob Voss from the Illinois EPA received the Golden Manhole Award from the IWEA. The Golden Manhole Award recognizes professional contributions to the collection system industry. Bob is the Illinois EPA Coordinator of Wastewater Operator Certification, and has supported the IWEA Collection Systems Operator Certification Training and Examination program for several years.



Bob Voss of the Illinois EPA receives the Golden Manhole Award at the November 2010 Collection Systems Seminar and Exhibition

The Collection Facilities Committee would like to thank our guest speakers, who shared information on the following topics:

“Rules of the Road...No Follow, No License, No Job” by Toshiko Lukens, Illinois Secretary of State

“Lift Station Conversions” by Tony Conn, City of Naperville

“Traffic Safety – So you think you want to flag?” by Mark DeVries, McHenry County

“Getting By with Less in Collection System Maintenance,” a group discussion led by Greg Brunst, Village of Addison

A luncheon was served while attendees mingled with exhibitors, and a raffle was held for a number of great prizes. We would like to thank the 18 exhibitors, many of whom contributed multiple raffle items. Special thanks also go to Tom Woods of Visu-Sewer for coordinating the exhibits; Laurie Riotte, IWEA Executive Manager for her assistance throughout the planning of the event; Cheryl Kunz, Aqua-Aerobic Systems, Inc. and the IWEA Marketing Committee for developing the Seminar brochure, and Mary Johnson, Rock River Water Reclamation District, for her help with the IWEA web site coordination.

Exhibitors included:

- Adaptors, Inc.
- Duke’s Root Control
- Eaton Mechanical Sales
- ELAN Technologies, Inc.
- Fisher-Harris & Associates
- Flow-Technics, Inc.
- Insituform Technologies
- Jim Jolly Sales
- JM Process Systems, Inc.
- Metropolitan Industries
- Precision Systems
- RJN Group, Inc.
- Sheridan Plumbing & Sewer
- Siemens Water Technologies
- Starnet Technologies
- Thomas Pump
- Trenchless Innovations
- Visu-Sewer of Illinois

The Collection Facilities Committee will soon be planning the 2011 seminar. We hope to see even more attendees and exhibitors there next November! Anyone interested in joining the Collection Facilities Committee should contact Al Hollenbeck at (630) 682-4700.



New Year! . . .
New Permit?

By Sharon A, Hawkins, Laboratory Committee Member

If your NPDES permit has recently expired or will soon, you might find the following additional tests and/or monitoring added to your permit...

Phosphorus and Total Nitrogen: monthly monitoring

Metals testing: semi-annual testing

Fluoride: limit or monitoring (monthly)

D. O. and temperature: monitoring (daily or monthly) effluent

Now you have to decide: do you select the IEPA approved method and test in-house or send the samples out? A quick poll of members listed the following methods for fluorides: SM4500-F B or C, and for phosphorus monitoring: Hach method 8190 (similar to SM 4500 P-E) or

TNT843/844. Check with your IEPA coordinator for method acceptance.

Does your lab perform dual testing, i.e., wastewater and drinking water? On January 4, 2011, AWWA published an announcement from the US Department of Health and Human Services regarding recommendations on community water fluoridation levels. AWWA expects the fluoride limit will be a single number-0.7 ppm, not a range. On January 18, the AWWA hosted a webcast on Fluoride Actions. Additional information is available on AWWA's website at www.awwa.org/Resources/topicspecific.cfm?ItemNumber=30949&navItemNumber=32970, and the Center for Disease Control's site at www.cdc.gov/fluoridation/index.htm.

On January 11, 2011, AWWA published an announcement about Hexavalent Chromium (Cr-IV), from the U.S. Environmental Protection Agency, for Guidance on Water System Monitoring for Hexavalent Chromium. The announcement contains information on analytical methods, sampling, and finding a laboratory for analysis. Additional information can be found on the EPA website at <http://water.epa.gov/drink/info/chromium/guidance.cfm>.

How is Illinois impacted?... Stay Tuned!

2011 PT Schedule DMRQA 31 opens March 14, 2011

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Deadline Next Issue Illinois Clarifier: April 15, 2011

CONSTITUTION AND BYLAW AMENDMENT

By Dennis Priewe, IWEA President

The IWEA had a legal review done of the recent changes to our Constitution and Bylaws. This review showed that the Constitution and Bylaws did not comply with the Illinois Not-for-Profit Corporation Act in that we did not have language requiring an executive officer to attest to the President certifying corporate documents. An amended Constitution and Bylaws was presented at the December 2010 Executive Board meeting, where Section 8.6.4 was amended to give the Executive Manager the authority to attest to the Association President's signature on all IWEA corporate documents. The IWEA membership will vote on this new amendment at the Annual Meeting on March 21, 2011. A copy of the modified Constitution and Bylaws may be reviewed on our web site, www.iwea-site.org.

IWEA JOB BANK

By Mary Johnson, Web Site Chair

Do you know someone who's looking to make a career move? Encourage them to visit <http://iweasite.org/jobpostings.html> to view job postings or to post a resume.

Employers are encouraged to forward job openings to info@iweasite.org. There is no charge to advertise. Listings are posted for 90 days unless otherwise requested.

Water Environment Professionals seeking new positions may also post their resumes on the site.

Please contact Mary Johnson at mjohnson@rrwr.dst.il.us with questions.

SECOND QUARTER FINANCIAL REPORT

By Debra Ness, Treasurer

During the second quarter of the fiscal year, IWEA needed to file IRS Form IL990EZ as well as the IWEA annual report to the Illinois Attorney General. The IRS form needed to be filed by November 15th, six months after the end of the last fiscal year. The Attorney General Form needed to be filed by December 31st, and a copy of the IRS form needed to accompany it. Both forms were completed and submitted by the required dates.

Year to date, IWEA has had an income of \$21,797.26 and expenses of \$27,028.67. This gives IWEA a net loss of \$5,231.41.

Financial Statement at the end of the second quarter is:

Bank Accounts

Community Bank	\$91,653.19
Science Fair Fund	\$ 3,958.30

Asset Accounts

12 Month Reserve CD	\$12,096.48
24 Month Reserve CD	\$12,385.31

Total	<u>\$120,093.28</u>
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