

Wisconsin Water Association

88th Annual Meeting
September 23-25, 2009
Kalahari, Wisconsin Dells

**Surfing the
Waves of
Change**

**ATTENDEE
REGISTRATION PACKET**



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Message From The Chair

Please join me at the Kalahari Resort in Wisconsin Dells for our annual conference, I promise you will not be disappointed.

Take advantage of this unique learning opportunity and bring your family to enjoy the largest indoor water park in the USA at low rates negotiated by WWA.

WWA Vice-Chair Nancy Quirk and the Annual Meeting Committee have put together an outstanding conference that will offer plenty of opportunities to learn from the experts and to provide critical networking opportunities with your peers.

This year's conference is truly geared towards all water professionals in the State. In addition, there will be over 90 vendors in the exhibit hall representing all of your equipment and service needs.

Specialty learning and networking events at the annual conference include: Pre-Conference Golf Event, Poster Presentations, Top Ops, Meter Madness, WWA Awards Reception, Water Taste Test Contest, Water for the World Silent Auction, MAC Night Event, Women in Water, and Young Professional sessions. In addition, on Wednesday afternoon a musical combo of some of our own water professionals who have coined themselves "The Drips" will be performing in the exhibit hall.

I hope you can make it and I look forward to seeing you in Wisconsin Dells.

Richard Hope
WWA Chair



Hotel & Tour Information



Kalahari Resort
1305 Kalahari Drive
Wisconsin Dells, WI

Reservations: 877-525-2427
(ask for Wisconsin Water Association rate)

\$109/night – Hut Room
(including 4 water park passes per room)

To make your reservations on-line go to:
www.kalahariresort.com and follow these steps:

- Wisconsin Dells, Wisconsin
- Reserve Now
- Groups
- Group ID: 1466
- Password: 378
- Make a Reservation

The Hut Room is the standard discounted room available through the WWA block. See the website for other room options and rates.

Lake Delton Duck Tour
Friday, September 25th
11:30 – 12:30

\$16.50 for adults
\$6.50 for children (ages 6-11)
Register at the WWA Registration Booth



Original Wisconsin Ducks explore the best of both worlds with unique land and water tours of scenic Wisconsin Dells. Spring of 2009 marks the rebirth of

Lake Delton and Original Wisconsin Ducks provides a front-row seat for visitors. Dive into fun and adventure along our exclusive wilderness trails. Cruise the Wisconsin River to see the area's towering rock formations. And once again, splash down into Lake Delton to get an up-close look at the newly refurbished dam and the repaired breach area. Climb aboard our nostalgic Ducks and enjoy a classic Wisconsin vacation experience!

Activities & Events

Golf Outing

Tuesday, September 22nd

Reedsburg Country Club. Swing into the convention! **10:00** a.m. shotgun start.



Spouse/Guest Events

Wednesday, September 23rd

9:30 to 10:45: Cranberry Connection and Amish Treasures stores.

11:00 to 3:00: The Broadway Theatre for a luncheon and musical tribute to the United States.



Top-Ops Competition

Wednesday, September 23rd

Top-Ops matches teams of operators from around the state in a fast-paced question and answer competition. Teams compete from **2:30 to 3:45** in the **Aloeswood Room**.



Women in Water Reception

Wednesday, September 23rd

Women join women water professionals in the **Portia Room** from **4:00 to 4:30** for wine, chocolate, and networking and then on to the **Exhibit Hall** with our wine glasses from **4:30 to 5:00** to support our exhibitors.



MAC Night

Wednesday, September 23rd

Join us for a **Night at the Races** from **5:00 to 7:30** in the **Exhibit Hall**. Funny money and refreshments will be provided. MAC Night is brought to you by the **Manufacturer/Association Council**.



Business Lunch

Thursday, September 24th

WWA's Annual Business Meeting and Awards Luncheon from **12:00 to 1:30** in the **Tamarid/Portia/Wisteria Rooms**. The presentations of the Fuller, Leon Smith, Operator Meritorious and Young Professional of the Year Awards are a few of the highlights.



"Hollywood Awards Night 2009"

Thursday, September 24th

Socialize with the award winners and colleagues from **5:00 to 7:00** in the **Tamarid/Portia/Wisteria Rooms**. Entertainment and refreshments will be provided. The World is Your Stage!



Opening Session

Wednesday, September 23rd

Kick-off the 88th Annual Conference with the Wisconsin DNR and the Lake Delton collapse and rebuilding. **8:15 to 9:30** in the **Guava Room**.



Water Taste Test Competition

Wednesday, September 23rd

Water utilities vie for the title of "Best Tasting Water in Wisconsin" from **9:30 to 12:30** in the **Aralia Room**.



Wisconsin Water for the World Auction

Wednesday Sept. 23 and Thursday Sept. 24

Place your bids on the silent auction items that will be on display in the **Exhibit Hall** to help support their efforts to bring safe drinking water to developing countries.



Happy Hour

Wednesday, September 23rd

Spend some time with our vendors in the **Exhibit Hall** from **4:00 to 5:00** while enjoying a beverage with your own pilsner glass. MAC Night will immediately follow.



Spouse/Guest Events

Thursday, September 24th

9:00: HH Bennett Museum (early photographer of the Wisconsin Dells area).

12:00: Business Lunch

2:00: The Artistic Village (artist consignment store).



Meter Madness Competition

Thursday, September 24th

Utility employees from around the state will participate in this individual timed competition to test your skills in assembling a meter. The competition takes place from **3:00 to 5:00** in the **Exhibit Hall**.



Young Professionals Meeting

Wednesday, September 23rd

All YP members and those interested in becoming a member (under 35 years old or less than 10 years experience) are encouraged to attend the meeting including an "Icebreaker" Water Bowl Tournament in the **Wisteria Room** from **2:00 to 2:30** and will end with a tour of the exhibits from **2:30 to 2:45** in the **Exhibit Hall**.



2009 WWA Technical Program, September 23-25, 2009

Wednesday September 23, 2009

Time	Session 1: Tamboti Room	Session 2: Marula Room	Session 3: Mangrove Room	Exhibit Hall	Additional Activities
7:30 to 8:15	Registration and Breakfast			Exhibit Hall Setup	Committee Meetings
8:15 to 9:30	<p style="text-align: center;">Opening Session Welcome from John Webb, Village of Lake Delton President WWA Awards Presentations: Richard Hope, 2009 WWA Chair Lake Delton/CTH A Restoration Project... How to Remake a Lake: Meg Galloway, WDNR and Village Engineer John Langhans, MSA Professional Services, Inc.</p> <p>The pictures and video on TV when Lake Delton collapsed reminded us of the enormous power of nature. We will hear from the DNR on what occurred and how the State of Wisconsin justified and ultimately reconstructed and filled the Lake. The village engineer will discuss how this failure affected their public works operations, including how they dealt with the floating away of a large segment of transmission main and compromised a major pump station.</p> <p style="text-align: center;">Guava Room</p>				Poster Session Setup
9:30 to 10:00	<p>Operations <i>Field Sampling and Analysis, What You Need to Know Before You Jump in the Truck and Head for the Field:</i> Terry Engelhardt, Hach Company Field sampling and analyses can be very useful and accurate if a few simple steps are followed including selection of the proper method and proper measurement tools. Tips for getting good measurements will be discussed including: Selecting the proper methods for sampling, use of the proper measurement tools, overcoming interferences, proper calibration and use of standards, proper care of instruments and reagents. Limitations of field methods also will be discussed.</p>	<p>Water Efficiency/Sustainability & Treatment Ops <i>Using Sustainable Projects to Uncover Hidden Treasure:</i> Mark Johnson, LaCrosse Water In 2008, the La Crosse Water Utility completed projects and implemented multiple operational changes that resulted in not only higher operating efficiency and energy/cost savings, but also enhanced system redundancy and reliability. This presentation will outline and describe system changes that have worked for La Crosse and may also be of benefit to other water systems.</p>	<p>Treatment Ops-Groundwater <i>Cutting Through the Challenges of Directional Drilling in Variable Soil Conditions:</i> David Barnas, AECOM New advances in materials and equipment make Horizontal Directional Drilling even more viable. The subjects of general process, equipment, material and safety will be presented. Case studies highlighting risk management and mitigation will be reviewed with key recommendations for the applications presented.</p>		
10:00 to 10:30	Exhibit Hall Grand Opening			Open until 5:00 Silent Auction in Exhibit Hall all Day "The Drips" A Jazz/Blues Combo of WWA Members will play from 1:30 to 3:00	
10:30 to 11:15	<p>Treatment Ops & Communications & Management <i>Making the Most of What You've Got-Retrofitting Water Facilities for New Functionality:</i> Ann-Perry Witmer, Crispell-Snyder and Jeff Detro, Waukesha Water Utility As water utilities grow and change, existing pumping, treatment and storage facilities can become outdated or redundant. Through engineering study and design, these facilities may be able to play a new role in serving the needs of your utility's customers. This presentation will look at the renovation of Waukesha Water Utility's Crestwood Booster Station to make an outdated facility productive again, while taking advantage of existing infrastructure rather than expending valuable financial resources on replacement equipment to provide new capabilities.</p>	<p>IT/Security <i>Integrating a Computerized Management System (CMMS) with a GIS, SCADA and a Wireless Handheld Client:</i> Ed Garibian, eRPortal Software Group Having a SCADA system is great for monitoring the assets that run our systems. GIS adds value with locations and a detailed description of our assets. CMMS software helps computerize the maintenance of those assets. But most often, those are three different systems! This session will talk through the value of clicking on a graphic in your SCADA, jumping over to your GIS for detailed information and then effortlessly moving into your CMMS software for maintenance. Throw in a hand held and you have the perfect storm. Join us as we talk through the issues with this scenario and how to integrate all of this into what looks like one system to the users of these systems.</p>	<p>Asset Management <i>Asset Management: Investment for a Lean and Mean Utility Machine:</i> Bill Nabak, Green Bay Water and Tony Myers, CH2MHill The Green Bay Water Utility completed an asset management plan that focused on the lowest cost investments that maintain the high level of customer service and reduce the risk of infrastructure failure.</p>	Poster Session Judging Posters in place for viewing from 10:00 Wednesday to 12:00 Thursday	

Time	Session 1: Tamboti Room	Session 2: Marula Room	Session 3: Mangrove Room	Exhibit Hall	Additional Activities		
11:15 to 11:45	<p>Specialty Topic <i>Energy Conservation in Water Utility Buildings - Beyond Changing Light Bulbs: Don Voigt, Engineered Equipment Integration</i></p> <p>The new administration in Washington has made it clear – energy conservation is of the highest priority in both new and upgraded designs of water pumping and treatment projects. This paper will address the key areas where energy reduction can be discovered: Pumping, filtration, Chemicals, Valves and Jockey pumps.</p>	<p>IT/Security <i>Making the Most of Wireless Technology from Point Measurement to Remote Plant Access: Steve Muther and Debbi Goehner, Muermann Engineering</i></p> <p>The first half of this presentation provides an overview of wireless technologies currently used in municipal water and wastewater systems, from remote wireless instruments used at a wastewater plant in lieu of traditional wired instruments, to cellular based remote monitoring accessible via a third party Web site. The second half of the presentation focuses on ideas and applications for using that technology to provide effective and productive solutions that meet operators' needs for day to day management of their facilities.</p>	<p>Management & Legislative DNR Code Revisions <i>The Latest News: Amy Vaclavik, McMahon</i></p> <p>This presentation will provide the most up to date information about the DNR Safe Drinking Water Code Revision process. Come hear about the major changes to the Codes and how they may impact the water industry. Information on how to participate in the approval process will also be discussed</p>	<p>Open until 5:00 Silent Auction in Exhibit Hall all Day "The Drips" A Jazz/Blues Combo of WWA Members will play from 1:30 to 3:00</p>	Water Taste Test Competition	Aralia Room	
11:45 to 1:00	<p>Lunch in the Exhibit Hall with Silent Auction and 50/50 Raffle</p>					Past Chairs' Lunch	
1:00 to 1:30	<p>Distribution <i>Meter Pit Entry: A Tale of Two Perspectives, Union Vs. Management: Jeff Novak, Meter Services Manager Milwaukee Waterworks, Jason Blasiola, Safety Supervisor Milwaukee Waterworks, Richard Wruk, 2008 Local 550 President</i></p>	<p>Operations <i>Distribution System Efficiency: Challenges, Concepts and Change: Paul Schumi, Wachs Utility Services</i></p> <p>We discuss the reasons for the decline in distribution system performance, discuss the business case for improved performance and provide examples of best practice performance improvements.</p>	<p>Operations & Legislative <i>Drinking Water Regulatory Roundtable: Joe Janczy, EPA Region 5, Lee Boushon, Public Water Supply Section WDNR</i></p> <p>Drinking water regulators discuss and answer your questions on lead and copper, stimulus money, groundwater withdrawal legislations, DNR Code updates, total coliform rule, and other code and program developments.</p>				
1:30 to 2:00		<p>Operations <i>Making the Right Meter Decision: Phil Kosak, Badger Meter Inc.</i></p> <p>This session will provide ideas to help water utilities make the right choice of meter products for the end user applications. The wrong choice of meters can mean incorrect meter accuracy, shorter life cycle, and/or extra capital cost. Let's make the right meter decision.</p>					
2:00 to 2:30	<p>Distribution <i>Entry Equipment Demonstrations: Gary Underwood, Capital Safety-USA and Mike Erdman, Airgas North America</i></p>	<p>Operations <i>Firing Up New Facilities; Field Start Up of Well and Booster Pumps: Dale Marsh, Robert E. Lee and Jeff Detro, Waukesha Water Utility</i></p> <p>This presentation will address the work items and checklists that should be followed when starting up a new well or booster pump. If followed, issues associated with warranty, acceptance, and pump poor performance will be greatly reduced. The baseline performance data will help determine when the pump will need work in the future.</p>	<p>Operations & Legislative <i>Implementing the Groundwater Rule in Wisconsin: Joe Janczy, Wisconsin State Program Manager for EPA Region 5</i></p> <p>After December 1, 2009, Public water systems using ground water will need to begin taking actions to be in compliance with the Ground Water Rule. Find out what you need to do to stay in compliance with the Ground Water Rule by attending this training.</p>			<p>YP Meeting 2:00 to 2:45 Wisteria Room 2:00 to 2:30 Exhibit Hall Tour 2:30 to 2:45</p>	

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2:30 to 3:00	Break in the Exhibit Hall				
3:00 to 3:45	<p>Distribution <i>What to do with Contaminated Soil Material:</i> Mike Sullivan, Oak Creek Water and Sewer Utility, Nicole LaPlant, Robert E Lee, Mark Gordon, WDNR</p> <p>This presentation will address the issues of what procedures must be followed when a municipality encounters contaminated soils. Items that will be covered include the Owner's liabilities and protocol when contaminated soils are encountered, the WDNR requirements and the Engineer/Geologist's responsibilities with what to look for when designing and disposing of the contaminated soils. This will help municipalities reduce confusion and minimize additional costs associated with contaminated soils encountered.</p>	<p>Operations <i>Corrosion Control for Ductile Iron Pipe:</i> Paul Hanson, DIPRA</p> <p>Underground corrosion is an electro-chemical process that will be defined and explained. Although it may occur in all environments, it is not a practical problem in many soils. The factors that determine soil corrosion rates will be reviewed. DIPRA has been conducting research on iron pipe corrosion and its control since 1928. A statistical analysis of much of this research was published in the AWWA Journal in June 2005. The results of that research will be presented and reprints of the paper will be available to the audience.</p>	<p>Specialty Topic <i>Trimming Utility Bills Using Environmentally Friendly Energy Alternatives:</i> John Norton Jr, PhD, MWH</p> <p>As conventional energy prices skyrocket, interest has increased in implementing renewable energy options. Some water and wastewater utilities have been keen to assess and implement these technologies within their systems, but often a Utility's initial strategies do not consider the full benefit of alternative energies available.</p>	Open until 5:00 Silent Auction in Exhibit Hall all Day "The Drips" A Jazz/Blues Combo of WWA Members will play from 1:30 to 3:00	TOP OPS Competition 2:30 PM -3:45 PM Aloeswood Room
3:45 to 4:15	<p>Operations <i>Leak Detection Made Easy:</i> Jim Plahn, Badger Meter, Inc.</p> <p>Water accountability includes accurate meters both on the influent side of the distribution system and the effluent side as it goes to into our consumers possession. This session will discuss the important of knowing that meter data is right and what is available in the world of AMR\AMI that can help you find the rest of that water that is disappearing in your system.</p>	<p>Distribution Maintenance and Design <i>A Comprehensive Approach to Managing Potable Water Quality Within Distribution Systems:</i> Michael Oleson, Utility Services Corp</p> <p>Water quality begins to degrade immediately once it enters the distribution system and begins to age within the storage facilities. The challenges to water quality maintenance are plentiful, but can be managed. This presentation will review recent AWWA-RF data on mixing within water storage tanks and discuss water quality management options. The role of passive and active mixing systems, chemical cleaning and asset management maintenance programs will be discussed. Participants will learn about strategies for the management of water quality from the water plant through storage and compliance with Stage 2 IDSE and the relationship to water infrastructure sustainability.</p>	<p>Management <i>Planning for the Next Generation of Utility Personnel:</i> Dave Lewis, Kenosha Water Utility</p> <p>The purpose of the AWWA Workforce Sustainability Initiative is to (1) Frame the challenges causing the crisis in the water and wastewater industries, (2) Provide information on the specifics of the challenges and opportunities for addressing them, (3) Review successful utility and other industry collaborative initiatives that are already working, and (4) propose a process for moving the utility industry forward in designing and implementing collaborative initiatives.</p>		Women in Water: 4:00 to 5:00 PM Portia Room and Exhibit Hall
MAC Night 4:00 to 5:00 Happy Hour 5:00 to 7:30 Night at the Races in the Exhibit Hall					

Thursday September 24, 2009

Time	Session 1: Tamboti Room	Session 2: Marula Room	Session 3: Mangrove Room	Exhibit Hall
7:30 to 8:30	Registration, Breakfast and Committee Meetings			
8:00 to 8:30		<p>Wisconsin Water for the World Wisconsin Water for the World In Sacbolchol, Guatemala 2009: WWW Committee slide show: John Andersen, et al.</p> <p>The Wisconsin Water of the World committee helped fund and construct a water system in Sacbolchol, Guatemala in March, '09. This breakfast time "silent" slide presentation tells how your contributions built a complete water system for the village</p>		
8:30 to 9:00	<p>Specialty - Ground Water and Surface Water Quality Impacts of Agriculture on Surface and Ground Waters: Dennis Frame, Professor UW-Extension University of Wisconsin</p> <p>Discovery Farms has been studying the practices of farmers around the state as it relates to surface and groundwater effects. This study has spanned eight years. The presentation will discuss farming impacts to water and how municipal water utilities can co-exist and work with agriculture to meet both of our needs.</p>	<p>Wisconsin Water for the World AdventureKidsLearning-Spanning Cultures and Earning AWWA's 2009 Education Award: John Andersen & Sandi Masterson, Kenosha Water Utility</p> <p>See how this novel tool for education uses a web cam, satellite modem, and solar panel to provide a live interactive learning experience; giving an opportunity to enhance the quality and variety of educational opportunities to USA children by learning about a water distribution project, the Mayan villagers and country of Guatemala.</p>	<p>Communications The New Language of Technology, Learning to LOL (Laugh out Loud): Tonya Chandler, Basin Water, Inc.</p> <p>In this session we will work to understand the new language that has emerged in all aspects of our communication. Through a series of activities and discussions, we will dissect some of the more common, and not so common, acronyms and phrases that are used in texting, emailing and everyday communication. We will explore how simple phrases and additions like emoticons (little added characters) can change the meanings of an otherwise generic and sometimes misunderstood communication and bring communication back to a personal level.</p>	Exhibits open from 8:30 to Noon
9:00 to 9:30	<p>DNR/Regulatory Groundwater Geothermal Wells: What Water Utilities Need to Know: Randell Clark, Hydrogeologist, Wisconsin DNR</p> <p>Geothermal systems circulate a fluid within pipes underground or extract water directly and pass it through heat pumps and/or cooling loops to provide temperature control for buildings. This presentation will provide an explanation of how geothermal wells work, what types of geothermal systems are being installed in Wisconsin, and whether groundwater utilities should be concerned about the impacts and issues they generate.</p>	<p>IT/Security Reaching into the EPA Toolbox for Contaminant Analysis: Daniel Sullivan, USGS</p> <p>The National Environmental Methods Index for Chemical, Biological, and Radiological contaminants (NEMI-CBR) is an online compendium of methods and an expert system to give water professionals access to methods and advice they may need in the event of an accidental or intentional contamination of a water supply. This presentation will guide users through the basic features of NEMI-CBR and how they can apply for access.</p>	<p>Communications & Management Working with your Staff to Reach Human Resources Strategic Planning Goals: David Varana, Baker Tilly</p> <p>Two significant challenges facing water utilities are achieving cost efficiencies and addressing workforce retention and recruitment. This presentation will map out how strategic plans for human resources, along with performance metrics and continuous improvement methods, can be linked to achieve increased efficiency and mission-driven focus, while contributing to a positive work culture.</p>	

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9:30 to 10:15	<p>Treatment Ops-Groundwater <i>Wisconsin Water and Health Trial for Enteric Risks (Wahter Study): Risk of Illness from non-disinfected Groundwater and Distribution System Intrusions:</i> Mark Borchardt, Marshfield Clinic Research Foundation</p> <p>The final results will be presented from the EPA-funded Wisconsin WAHTER Study, an epidemiological study on groundwater-borne disease. Findings will be presented on three specific topics: 1) the fraction of gastrointestinal illness attributable to drinking non-disinfected groundwater; 2) the fraction of illness attributable to contamination of drinking water distribution systems; and 3) operation and maintenance procedures in distribution systems that might result in drinking water contamination. The results of this study are being considered by the Wisconsin DNR and US EPA when revising drinking water regulations.</p>	<p>IT/Security <i>Long Distance Emergency Response - How an Engineer in Stevens Point WI Helped Respond to a 66" Water Main Break in Bethesda, Maryland:</i> Don Swailes, AECOM</p> <p>On the morning of December 23rd 2008, a 66" water main broke in Bethesda Maryland. Remote water quality monitors installed in Bethesda, but monitored in Stevens Point, Wisconsin, were utilized to provide real time water quality information to decision makers at three major hospitals in Bethesda and to the water supplier. This presentation will provide a brief case study of the emergency, how distribution system water quality monitors provided valuable decision making information, and ultimately how this case affected emergency response to future water system emergency events.</p>	<p>Specialty Topic <i>Introducing Wind Energy to Midwest Water Utilities:</i> Matt Overeem, Supt Village of Mount Prospect, Rick Suhadolc, Farnsworth Group</p> <p>When considering the use of a wind turbine to offset your energy use or as a hedge against rising electric costs, this presentation will include a brief intro to wind energy in the Midwest, siting and sizing a turbine, and a brief video on turbine installations.</p>	OPEN from 8:30 until Noon
10:15 to 11:00	Break in Exhibit Hall Silent Auction Finale			
11:00 to 11:30	<p>Treatment Ops/Groundwater <i>Groundwater Model of the Troy Bedrock Valley Aquifer: A Planning Tool:</i> John Jansen, Aquifer Science and Technology</p> <p>SEWRPC has prepared a groundwater model of the Troy Bedrock Valley Aquifer in Waukesha and Walworth Counties. The model is a public-domain planning tool designed to provide water utilities and other groups a common platform to predict the impact of new well fields on surface water resources and manage groundwater resources wisely.</p>	<p>IT/Security <i>Fraud, It can Happen Anywhere:</i> Jodi Dobson, Baker Tilly</p> <p>Tough economic times can influence good people to do bad things. In this presentation we will discuss how to protect your utility from both internal and external fraud. We will give examples of good internal controls procedures that help minimize risk and discuss the new "Red Flag Rules" that will be going into effect to protect your customers against identity theft.</p>	<p>Water Efficiency/Sustainability <i>Sound Projects to Increase Energy Efficiency and Reduce Energy Costs:</i> Tim Spisak and Richard Grubb, Chevron Energy Systems</p> <p>Energy efficiency and conservation are the most affordable and readily available "new" energy. Chevron Energy Systems has helped multiple public institutions, businesses and municipalities develop strategies to reduce energy use, reduce greenhouse gas emissions, and utilize renewable energy technologies.</p>	OPEN from 8:30 until Noon
11:30 to 12:00	<p>Treatment Ops/Surface Water <i>Tracer Testing to Determine Treatment Process Efficiencies: A Case Study:</i> Patrick Carnahan, Symbiont</p> <p>Tracer testing is a beneficial tool for characterizing the hydraulic efficiency through unit processes. If, for specific treatment units, published hydraulic efficiencies seem lower than experience suggests, tracer testing can be performed to empirically verify the hydraulic behavior. A review of tracer tests recently conducted at the City of Rock Island Water Treatment Plant reveals the steps required for tracer testing, tracer testing challenges and how to deal with them, and the benefits of tracer testing.</p>	<p>IT/Security <i>Improving Efficiency Utilizing GIS Technology:</i> Sam Pociask, McMahon Associates</p> <p>GIS can greatly improve the efficiency with how a water utility operates. By converting existing paper and CAD information to GIS, the user is given a whole new toolset to help manage their water system. Instant access to coordinate information, record drawings and specific attribute information, as it pertains to an asset, are just some of the benefits of utilizing a GIS system. From simple to complex, a GIS can be customized to meet any user's needs.</p>	<p>Water Efficiency/Sustainability <i>Ensuring a Sustainable Future: A USEPA Energy Management Guide Book for Wastewater and Water Utilities:</i> LouAnn Unger and Cary McElhinney, USEPA Region V</p> <p>The water and wastewater industry consumes 3% of the nation's energy (\$4 billion/yr; 56 billion kilowatt hours; 45 million tons of greenhouse gases). Energy issues are here to stay and will only get more serious; there are no quick fixes! USEPA promotes a systematic approach to accomplishing energy efficiency goals, best practices which enable consistent, organized, and integrated management of utility operations.</p>	OPEN from 8:30 until Noon
12:00 to 1:30	Business and Awards Lunch			

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1:30 to 2:00	<p>Treatment Ops-Surface Water Managing Distribution System Nitrification and Other Microbial Contamination Risk: Jian Yang and Don Swailes, AECOM</p> <p>This presentation summarizes current research on nitrification issues and other microbial contamination risks in drinking water distribution systems. Examples of relevant water quality issues at full-scale distribution systems are examined and discussed. The presentation will also demonstrate how water quality modeling of distribution systems over a range of system sizes, and water quality variables can be applied to manage system water quality and microbial contamination risks.</p>	<p>Water Efficiency/Sustainability and Management</p> <p>How Total Water Management Worked for Fitchburg: Matthew Steigman, City of Fitchburg and Stephen Gaffeld, Montgomery Associates:</p> <p>Total Water Management, or TWM, is a systems approach to allocate limited water resources among various stakeholders in a sustainable manner. We focus on water planning that considers groundwater supply implications for surface water resources while meeting the needs of current and future populations. Water supply decision making is part of a bigger picture of resource management and, it is closely tied to land use planning and policy.</p>	<p>Management</p> <p>Muni to Private - Private to Muni: Lessons Learned for your Benefit: Mike Rau, City Water LLC</p> <p>In 1998 Mequon voted by a 90 – 10 margin to sell their Water Utility to Wisconsin Gas for book value. In 2008, they voted to buy it back on an 85 – 15 margin for book value. Book value increased from \$1 million to \$15 million in that time period. Each decision obviously had some strong public sentiment. What lessons can we take away from both moves? What will happen next?</p>	
2:00 to 2:30	<p>Treatment Ops-Groundwater Control of Ammonia in Drinking Water Using Biologically Active Filtration: Case Studies: Harry Harman, Baxter & Woodman</p> <p>Control of ammonia and nitrites in drinking water is poised to be a significant issue in the future as what were previously less desirable sources of water are tapped to serve accelerating population growth. Aquifers previously thought to be immune to contamination from fertilizers are showing increasing levels of ammonia and nitrites. Utilizing biologically active filtration to remove or reduce both ammonia and nitrites may be possible under the right conditions.</p>	<p>Water Efficiency/Sustainability Journey Toward Sustainable Development of Water Treatment Plants and Distribution Systems: Jim Weinbauer, AECOM</p> <p>This presentation will identify sustainable development options for water treatment and distribution facilities. It will outline the steps involved in developing and implementing a strategy aimed at improving sustainable performance. We will discuss establishing baseline objectives and development of key sustainability performance metrics. Options to improve sustainability performance will be defined and prioritized based on improvement potential and costs.</p>	<p>Communications and PR</p> <p>Deconstructing a High Profile Utility Public Relations Challenge- Viewpoints of Participants- Representatives of Madison Water Utility-Part A</p> <p>Jon Standridge, Madison Water Utility Board President</p> <p>Board expectations regarding communications; Examples of Madison's communication successes and failures; Description of communication standard operating procedures.</p> <p>Lynn Williamson, Madison Water Utility Customer:</p> <p>Profile of a consumer concern: responses, perceptions and lessons learned from the consumer perspective. What the consumer needs to know about their drinking water and why. Development of public awareness of water issues and the Public Participation Process.</p>	
2:30 to 3:00	<p>Treatment Ops-Groundwater Implementing New Technologies for a Comprehensive Ground Water Treatment Solution: Steve Quail, AECOM</p> <p>A comprehensive discussion for the total water treatment in Hutchinson, MN, where nanofiltration membranes are used to soften the water and remove alkalinity, iron and ammonia. The bypass stream treatment uses biological filtration for iron and ammonia removal. The two flow streams are blended to produce a soft, non-corrosive water, low in ammonia, iron and manganese. The resultant benefits from this treatment process will be discussed.</p>	<p>Water Efficiency/Sustainability and Finance</p> <p>Recognizing Sustainability Factors: Improved Prioritization of Water Quality Investments: Eric Rothstein, Galardi Rothstein Group</p> <p>Efforts to evaluate the sustainability of our environmental practices, especially in the context of climate change, may lead to substantial changes in the way we manage water quality issues. As concepts like net environmental benefit and carbon footprinting take hold, new questions are being raised about the sustainability of the Clean Water Act's mandates. This presentation discusses implications for utilities' future projects and initiatives, as well as prioritization of resource investments at a public policy level.</p>	<p>Tom Heikkinen, Madison Water Utility General Manager: Challenges in water utility public communications; Role of the Public Information Officer; and Expectations of the media.</p> <p>Linda Eggert, WISC-TV Newscaster and Reporter:</p> <p>A 2006 WISC-TV Investigation: The Madison Water Utility Under Fire. The challenges the MWU faced and community response.</p>	
3:00 to 3:30	Break			Meter Madness

Time	Session 1: Tamboti Room	Session 2: Marula Room	Session 3: Mangrove Room	Exhibit Hall
3:30 to 4:00	<p>Groundwater <i>Developing a Standard for Water Well Construction: Susan Wojtkiewicz, SEH and Standards Task Group Member.</i> This presentation will discuss development by ANSI and National Groundwater Association of an industry standard for well construction including well siting and sampling, construction methods and materials selection, development practices, and performance testing. The purpose for development of an industry standard and overview of the process will also be covered.</p>	<p>Treatment Ops-Surface Water <i>Good Things about Ozone that We Didn't know about in 1998: Lon Couillard, Milwaukee Water</i> When MWW implemented ozonation as part of its water treatment process, the major water quality goals were pathogen disinfection and Disinfection By-Product precursor control. Since that time, a number of new and emerging contaminants have come into view. Although public health effects and significance of these emerging environmental contaminants are not known, the public and media are aware of their presence, and our water industry is being asked to provide answers about what monitoring we are doing and how much is in our tap water. Ozonation, as an advanced oxidation treatment technology, has been identified as a key, effective component of the multiple-barrier approach to potable water treatment for many of these new contaminants. This presentation will include a summary of the current monitoring program utilized by MWW as well as our program for sharing and disclosure to the public of all monitoring results.</p>	<p>Communications and PR <i>Deconstructing a High Profile Utility Public Relations Challenge-Viewpoints of Participants, Part B: Representatives of Madison Water Utility Community and Media:</i> Roundtable discussion with panel participants</p>	Meter Madness
4:00 to 4:30	<p>Groundwater <i>Report on the Current Makeup of the Groundwater Coordinating Council and its Projects: Jeff Helmuth, WDNR</i> The GCC is an interagency group that is directed by law to assist State agencies in the coordination and exchange of information related to groundwater programs. In this talk you'll learn about the Groundwater Coordinating Council's Monitoring & Research charge, its roles and history of GCC with joint solicitation process, and projects and wide range of topics. Additional discussion will focus on recent projects related to public water systems, access to project results and the Role of GCC in addressing current groundwater issues</p>	<p>Treatment Ops-Surface Water Construction and Startup of the South Milwaukee Water Utility Membrane Filtration Facility: Larry Krause, Donohue & Associates and Doug Fischer, South Milwaukee Water Utility This 2008 project consists of converting the conventional surface water treatment facility to a 6.0 mgd membrane filtration facility. Startup of the new facilities began in March 2009. The presentation will review the construction, startup, and the challenges encountered with construction and startup.</p>		
5:00 to 7:00	Awards Reception (Hollywood Awards Night 2009)			

Friday September 25, 2009

Time	Session 1: Tamboti Room	Session 2: Marula Room	Session 3: Mangrove Room
8:00 to 9:00	Registration, Breakfast and Committee Meetings		
9:00 to 9:30	<p>Research <i>Pharmaceuticals in Drinking Water from Theory to Application: Research Committee Panel: Al Awan, USEPA; Dr. Roger Meyerhoff, Eli Lilly Co.; and Dr. Jocelyn Hemming, Wisconsin State Laboratory of Hygiene</i> Pharmaceuticals and personal care products in drinking water continue to make headlines in the media. The water industry has the technical ability to measure constituents to the part per trillion level. But just because we can measure constituents in drinking water, are they something to be concerned about and at what level should standards be set? The research panel discussion will bring together three individuals from all sides of the issue for a lively discussion.</p>	<p>Finance <i>Financial Potpourri - Changes in Accounting Rules that Impact your Bottom Line: John Andres, Baker Tilly</i> Changes in accounting rules require adequate planning and consideration to ensure compliance and to know how it will impact your Utility's bottom line. In this presentation we will discuss and give advice on how to plan for GASB 45 – Other Post Employment</p>	<p>Distribution Maintenance and Design <i>Distribution System Pressure Management and Surge Analysis: David Vogel, Donohue & Associates</i> Cleveland Utilities (CU) distribution system contains significant areas of high pressure, in some cases as high as 170 psi and signs of significant pressure surge, which was determined to be the cause of a large number of meter failures. In addition, the CU distribution system has an unaccounted for water in excess of 30% for some months, and an excessive number of main breaks and meter failures. A Pressure Management Study was completed to identify areas of excessive pressure in the water system and provide recommendations to improve the water distribution system.</p>
9:30 to 10:00		<p>Finance <i>Developing a Financial Roadmap for your Utility's Future: Jodi Dobson, Baker Tilly</i> In these tough Economic times it is critical to plan ahead and develop Financial Roadmaps (Benchmarks) for your utility. In this presentation we will discuss efficient forecasting and planning methods that will help your Utility reach its goals and still remain in budget. Topics will include both operational and capital budgeting, as well as both annual and long term financial plans. We encourage participants to bring questions from their current budget process.</p>	<p>Distribution Maintenance and Design <i>Improving Distribution System Water Quality: Pat Planton, SEH</i> Designing water distribution system improvements is no longer merely a matter of ensuring sufficient fire flow availability (public safety). Since the advent of the Safe Drinking Water Act amendments, distribution system water quality (public health) has become a much more important factor in designing water distribution systems. This presentation discusses various ways water system operators can improve and enhance water distribution system water quality in their existing water systems</p>
10:00 to 10:30		<p>Financial <i>Back to the Basics: Strengthening Business Performance During an Uncertain Economy: Mike Borchers, Black and Veatch Corp</i> This presentation will look at key business components for utility managers to focus on during tough economic times. Utilities need to focus on basic business practices to achieve the most efficient investment of capital funds that are more difficult to raise. The key business practices to be reviewed in the presentation include capital prioritization, financial planning, and asset management. The presentation will also address issues related to strategically looking at the long term capital structure to better position utilities for an uncertain future.</p>	<p>Distribution Maintenance and Design <i>High Zone Implementation...It's more than Just Closing a Few Valves and Adding a Pump: Jerry Groth, Baxter & Woodman</i> This presentation will look at the issues regarding what it takes to add a high pressure zone within a community water system beginning from the basic regulatory requirements to more advanced issues. Experienced gained from a number of past projects will be presented.</p>
10:30 to 11:00		<p>Finance <i>Tracking Water – The Latest Annual Report Water Statistics Page: Bruce Schmidt, Cost engineer for PSC</i> The Public Service Commission (PSC) 2008 Annual Report changed the “Water Loss and Other Statistics” page. Bruce Schmidt, Cost Engineer for the PSC will review some of the changes found on the water statistical pages, examine how we have used the data in the past and open a discussion on how to use this information in the future.</p>	<p>Distribution Maintenance and Design <i>Repainting Your Elevated Tank: Coatings, Coverage, Containment, Cost Comparisons and Cellular Considerations: Mike Forslund, Strand Associates</i> There are many options to consider (and pitfalls to avoid) when undertaking an elevated tank repaint project. This presentation will provide information and real life experiences relating to surface preparation, high performance coating options, and cost comparisons. The presentation will provide owners and operators with a guideline for completing a repaint project from start to finish.</p>
11:30 to 12:00	Duck Tours to Lake Delton Register On Site		

Wisconsin Water Association 88th Annual Meeting & Expo

September 23 – 25, 2009

Kalahari Resort ~ Wisconsin Dells, WI

Mail or Fax Form or Register Online at WWA's Website: www.wiawwa.org

ATTENDEE REGISTRATION FORM

Please make copies of this sheet and fill out a separate form for each person attending.
For further Annual Meeting Information, contact the WWA Office at (414) 423-7000

Name (as it should appear on badge): _____
 Company Name: _____
 Position / Title: _____
 Street Address: _____
 City: _____ State: _____ Zip Code: _____
 Phone: (____) _____ Fax: (____) _____ WWA/AWWA Member#: _____
 E-Mail Address: _____
 Spouse / Guest Name (if attending): _____
 Spouse / Guest Email (if attending): _____ Telephone: (____) _____

Registration Information Water Utility Manager/Supervisor Other Utility Staff Manufacturer/Vendor*
 Certified Water Supply Operator Consulting Firm Staff Member* Other _____
 Water Utility Board/Commission Member

- | | General Registration
(By 9/14/09) | Late Registration
(After 9/14/09) |
|---|--------------------------------------|--------------------------------------|
| <input type="checkbox"/> If you have special needs, please mark this box and the WWA staff will contact you | | |
| <input type="checkbox"/> I would like to attend the Full Conference (includes all meals/functions listed in program) | | |
| Regular Registration | <input type="checkbox"/> \$ 195 | <input type="checkbox"/> \$ 220 |
| Retiree Registration Please check one | <input type="checkbox"/> \$ 130 | <input type="checkbox"/> \$ 155 |
| Non-Member Registration | <input type="checkbox"/> \$ 260 | <input type="checkbox"/> \$ 285 |
| <input type="checkbox"/> I would like to attend Wednesday, 9/23 only (includes all meals/functions listed in program) | | |
| Regular Registration | <input type="checkbox"/> \$ 100 | <input type="checkbox"/> \$ 125 |
| Retiree Registration Please check one | <input type="checkbox"/> \$ 70 | <input type="checkbox"/> \$ 95 |
| Non-Member Registration | <input type="checkbox"/> \$ 130 | <input type="checkbox"/> \$ 155 |
| <input type="checkbox"/> I would like to attend Thursday, 9/24 only (includes all meals/functions listed in program) | | |
| Regular Registration | <input type="checkbox"/> \$ 100 | <input type="checkbox"/> \$ 125 |
| Retiree Registration Please check one | <input type="checkbox"/> \$ 70 | <input type="checkbox"/> \$ 95 |
| Non-Member Registration | <input type="checkbox"/> \$ 130 | <input type="checkbox"/> \$ 155 |
| <input type="checkbox"/> I would like to attend Friday, 9/25 only (includes all meals/functions listed in program) | | |
| Regular Registration | <input type="checkbox"/> \$ 60 | <input type="checkbox"/> \$ 85 |
| Retiree Registration Please check one | <input type="checkbox"/> \$ 50 | <input type="checkbox"/> \$ 75 |
| Non-Member Registration | <input type="checkbox"/> \$ 85 | <input type="checkbox"/> \$ 110 |
| | <input type="checkbox"/> \$ 75 | <input type="checkbox"/> \$ 75 |
| <input type="checkbox"/> *I am a Non-Exhibiting Vendor, Consultant or Service Provider paying mandatory MAC Night Sponsorship Fee
Please note only one MAC fee per company is required | <input type="checkbox"/> \$ 85 | <input type="checkbox"/> \$ 85 |
| <input type="checkbox"/> I am a Student enrolled at least <u>HALF-TIME</u> (includes all meals/functions listed in program for day attending)
Check day(s) attending <input type="checkbox"/> Wednesday <input type="checkbox"/> Thursday <input type="checkbox"/> Friday | <input type="checkbox"/> \$ 10/day | <input type="checkbox"/> \$ 10/day |
| <input type="checkbox"/> I am a Spouse/Guest registering for the Spouse/Guest Program only (includes all meals/functions listed in program) | <input type="checkbox"/> \$ 70 | <input type="checkbox"/> \$ 95 |

I would like to make a voluntary donation to Wisconsin Water for the World in the amount of \$ _____
TOTAL AMOUNT DUE \$ _____

Please fax this completed form back with Visa or MasterCard payment to (414) 423-7011
OR
Remit with payment to:
Wisconsin Water Association
P.O. Box 635
Oak Creek, WI 53154

Name on Card: _____
 Credit Card # _____ Expiration Date ____ / ____
Signature _____

CANCELLATION POLICY: No refunds will be issued for cancellation after **September 14, 2009**.
Substitutions will be allowed. All cancellations must be in writing.

ALL FEES COLLECTED FROM THE ANNUAL MEETING WILL BE USED BY THE WWA FOR THE BENEFIT OF THE WISCONSIN WATER SUPPLY INDUSTRY



Come and Join the Fun at the 2009 Wisconsin Water Association Golf Outing

Date: September 22, 2009

Time: 10:00 a.m. "Shotgun Start"

Lunch: Cookout on the turn

Cost: \$70 – All Golfers

(cost includes green fees, 1/2 golf cart rental, lunch & door prizes)

Format: Scramble with hole events

Location: Reedsburg Country Club
3003 East Main Street
Reedsburg, WI 53959
(608) 524-6000



For directions to the Reedsburg Country Club visit their website at: www.reedsburgcountryclub.com

Please contact Doug Gries or Keitha Seiler at Davies Water Equipment if you have any questions regarding the golf outing. The telephone number is 920-731-3252.

Payments and names of your foursome must be received no later than **September 15, 2009**

No refunds will be given once playing groups are established.

PLEASE RSVP EARLY AS WE ARE LIMITED TO 144 PARTICIPANTS.

Please make check payable with names of those playing in your foursome before **September 15, 2009** to:

Davies Water Equipment Co.
5350 N. Richmond Street · Appleton, WI 54913
Do not send to WWA

I/We would like to register for the golf outing
Number of registrants _____ x \$70 = _____

I/We would like to sponsor a golf hole for the Young Professionals Scholarship Fund _____ x \$100 = _____
Sponsor's name on sign: (limit of one name per sign).
Must be paid by September 15, 2009.

Sponsor's name to appear on sign

GOLF OUTING NOTES:

- WWA Manufacturer, Engineer, Supplier & Consultant Members are welcome to contribute door prizes. Please call Keitha at Davies Water Equipment at 920-731-3252 if you have a door prize to contribute for the golf outing.
- The WWA Young Professionals will be awarding three scholarships for the 2009/2010 academic year. One scholarship will be awarded to an engineering student, another will be awarded to a student who is studying to become a Certified Water Operator and a third scholarship will be given to a WWA member's son or daughter who is pursuing a two or four year degree. We would like to sell out the hole sponsorships and build up the scholarship fund.
- Special closest to the pin scholarship fund event.

Names in your foursome:

1. _____
Name _____ Firm/Municipality _____
2. _____
Name _____ Firm/Municipality _____
3. _____
Name _____ Firm/Municipality _____
4. _____
Name _____ Firm/Municipality _____

Dixon Engineering is once again sponsoring the 50/50 putting contest. 50% for Wisconsin Water for the World & 50% for bragging rights for the winner.

MAC Night at the Races

Wednesday, September 23, 2009

5:00 p.m. – 7:30 p.m.

In the Exhibit Hall

WIN A PRIZE * Network with some new folks * Use funny money to place your bets * WIN A PRIZE * Say hi to some old friends * Enjoy some refreshments * WIN A PRIZE * Cheer your horse to the finish line * Snack on some appetizers * WIN A PRIZE *

Hope to see you in the Winner's Circle!



**MAC Night is brought to you by:
The Manufacturers/Associates Council (MAC)**











WISCONSIN WATER for the **WORLD**

Donate an item to the WWW 2009 SILENT AUCTION!

The 2009 WWA Annual Conference will again include the *WWW* silent auction. We locate this event in the exhibit hall to enhance pedestrian traffic, and vendors enjoy additional exposure from items labeled with their company's name. This is *WWW's* biggest fund-raiser and we count on your generosity. Help provide potable water to the needy.

Typical WWW SILENT AUCTIONS include...

-  Power Tool
-  Digital Camera
-  GPS
-  Vacation Packages (fishing, hunting, or golf packages)
-  Packer, Brewer, Badger tickets...and more.....
-  Gift Certificates
-  Wildlife Prints
-  Television

WISCONSIN WATER for the **WORLD** Silent Auction Donation

Donor Name and Address: _____

Contact Name: _____

Email Address: _____

Telephone: _____ Cell Phone: _____

Donation: _____ Value: _____

**Please return completed forms via email (don.swailes@aecom.com),
fax (715-341-7390) or surface mail to:**

**Don Swailes, Vice Chair
Wisconsin Water for the World
200 Indiana Avenue
Stevens Point, WI 54481**