



MSAWWA and MWEA "Water & Sewer Infrastructure - It's Time to Reinvest"



65th MWEA Meeting & 84th MSAWWA Meeting

MSAWWA/MWEA Annual Joint Conference

May 6 - 8, 2009 in Missoula, Montana

MWEA PRECONFERENCE THEME: "Activated Sludge in a BNR World"

An Invitation to the Conference from our MWEA & MSAWWA Chairs

On behalf of the MSAWWA and MWEA board members, we would like to invite representatives from Montana's public & private water & wastewater systems, companies & organizations to the 2009 MSAWWA/MWEA Annual Joint Conference. To focus attention on issues of ever-increasing importance in Montana, the Conference theme this year is "Water and Sewer Infrastructure – It's Time to Reinvest."

As always, this year's Conference will offer a great opportunity to remain in tune with the state of the industry relative to pending regulations & emerging technologies. Presentations from some of the top technical leaders in our industry will provide the opportunity to hear about innovative & unique solutions utilized in other communities across the state & region to address challenges that may be faced in our own communities & systems in coming years. We are especially honored to have with us this year over 30 vendors who will be sponsoring social/networking opportunities. Additionally, the host City Committee has put together some entertainment sure to, well, entertain us. We look forward to seeing you in Missoula!

- Paul LaVigne, MWEA President and John Alston, MSAWWA Chair

Welcome to Missoula from the Host City Committee

Welcome to Missoula from the Host City Committee. We're excited to show off the Garden City's newest conference venue at the Hilton Garden Inn & think that this year's conference will be the best ever! We hope you'll take some time to enjoy some of the things Missoula has to offer.

A few entertainment ideas are tours of the new Rocky Mountain Elk Foundation Visitors Center, the Missoula Art Museum, the Historical Museum at Fort Missoula, or the Montana Museum of Art and Culture at the University of Montana. If you're looking for some outdoor fun, try out Missoula's vast network of biking & hiking trails in town or just minutes from downtown in every direction. For the golf crowd, you've got 6 courses to choose from within 15 miles of Missoula. If its fish you're after, toss a fly into one of our many nearby streams (Clark Fork, Bitterroot or Blackfoot Rivers or the world famous Rock Creek to name a few). If all you're looking for is a place to quench your thirst, visit one of our 3 local brewery tasting rooms or wander around our historic downtown area & try out some of our local food and drink. Any of our Host City Committee members will be happy to give you recommendations on their favorite places.

Whether you're smacking a golf ball into our local water hazards, tempting a trout in one of our local rivers, or just kicking up your feet and relaxing in one of our local "watering holes", water is what Missoula does best!

- Logan McInnis, Chair MSAWWA/MWEA Host City Committee

Visiting Dignitaries to Bring News from AWWA and WEF

JERRY STEVENS has been a member of AWWA for 31 years, during which time he worked his way through the ranks of the Iowa Section, serving as treasurer for 7 years, becoming a trustee in 1998, chairman-elect in 2000, & chair in 2001. In 2006 Jerry became director of the Iowa Section, & was elected to the office of vice-president in 2007. He has also served on the AWWA Engineering Computer Applications Committee. Jerry received the AWWA Fuller Award in 2003, & became a Life Member in 2005. Jerry recently joined the Workforce Strategies Committee which focuses on workforce issues. Jerry's credentials include Registered Professional Engineer, Grade IV Water Treatment Plant Operator, & Grade IV Distribution System Operator for the State of Iowa. He has also been active in Red Cross and Rotary Club. Jerry & his wife, Julie, live in West Des Moines, Iowa.

CHARLES V. WEIR is the 2008-2009 Treasurer of WEF. He is currently Sr Project Manager, Oakley Water Strategies in Oakland, CA. Oakley Water provides wastewater engineering consulting services to municipal agencies throughout CA. Services include: NPDES Permit negotiation & compliance, mixing zone & dilution studies, water quality studies, collaborative programs with regulatory agencies, strategic planning, program management, water recycling, sanitary sewer overflows, TMDL development & implementation projects, watershed management, & general wastewater regulatory compliance. (Continued on Page 4)

MWEA Preconference - Preliminary Overview of Agenda

Activated Sludge in a BNR World

Wednesday, May 6, 2009

8:00 a.m. - 5:00 p.m.

Lunch on your own

The pre-conference theme this year will be "Activated Sludge in a BNR World". Many communities in Montana are either currently working on wastewater treatment upgrades or are facing the prospect of upgrades in the near future. For example, communities that currently use lagoon systems may need to upgrade to systems that employ activated sludge technology and many communities that currently use activated sludge may be looking at upgrading to advanced treatment methods such as biological nutrient removal (BNR). This year, we will be looking at some of the regulatory drivers for the upgrades and some of the technologies being used to meet these challenges. Topics will include: "Numeric Nutrient Criteria and Affordability Criteria", "Circular DEQ2 Update", "Beneficial Use of Effluent", "New Blower Technologies", "Biosolids Reduction Technologies", "Nutrient Removal Options for Activated Sludge Systems", "Nutrient Removal using Package Plants", and "Nutrient Removal Options for Lagoons"

3:00 p.m. MSAWWA and MWEA Board Meetings
5:00 p.m. Ice Breaker hosted by Vendors
7:00 p.m. Joint Executive MSAWWA/MWEA Board Meeting

MWEA/MSAWWA 2009 Joint Conference - Preliminary Agenda

"Water & Sewer Infrastructure - It's Time To Reinvest"

Thursday, May 7, 2009

7:00 - 5:00 Registration Desk Open

General Session

8:00 - 8:30 Welcome and Opening Session
Introduction of AWWA and WEF Guests - John Alston, MSAWWA Chair & Paul LaVigne, MWEA Pres.
Welcome Address - Mayor Engen of Missoula

8:30 - 9:30 Stimulus Package Discussion - Todd Teegarden, MT DEQ; Jim Edgcomb, TSEP; Pam Smith, DNRC;
Steve Troendle, USDA Rural Development

9:30 - 10:00 Stimulus Package Q & A with above listed panel

10:00 - 10:30 BREAK -

10:30 - 11:30 Climate Change - Dr. Steve Running, University of Montana

11:30 - 12:00 Education for Montana's Water & Wastewater Operators - Barb Coffman, METC

12:00 - 1:15 p.m. LUNCH
Guest Speaker - WEF Representative Charles Weir
Drawing: Early Bird Prize - those registrations postmarked by April 15th
Awards: MSAWWA/MWEA Scholarship, MWEA Small Systems, AWWA Operator's Meritorious Service, Stockholm Jr. Water Prize

Afternoon Concurrent Sessions

Water Sessions

1:15 - 2:00 UV 101: Intro to Ultraviolet Light Disinfection for WTP's - Deon Stockert, AE2S

2:00 - 2:45 PPL MT Colstrip Steam Electric Station Process Water Inventory Reduction Project - Nathan Kutil & Craig Habben, HDR

2:45 - 3:15 BREAK - Exhibitors Expo

3:00 - 5:00 Mountain Water Facility Tour

OR

3:15 - 3:45 Revised TCR Agreement in Principle - Gary Lynch, Park Water Co./Mountain Water Co.

3:45 - 4:30 Thurst Restraint Design for Ductile Iron Pipe - Harry Niles, DIPRA

4:30 - 5:00 Corrosion & Corrosion Control for Ductile Iron Pipe - Harry Niles, DIPRA

Wastewater Sessions

1:15 - 2:00 Practical Aspects of Pressure Dosing - Tom Anderson, Glacier Precast Concrete, Inc.

2:00 - 2:45 Parellel & Not So Parallel - Joe Evans, Pentair Water

2:45 - 3:15 BREAK - Exhibitors Expo

3:00 - 5:00 Missoula WWTP Tour

OR

(Wastewater sessions continued on next page)

Thursday, May 7, 2009 - Afternoon Concurrent Sessions Continued

Wastewater Sessions Continued

- 3:15 - 3:45 Headworks Fine Screening - A Montana Case Study - Jeff Ashley, Morrison-Maierle, Inc.
3:45 - 4:30 Self-Cleaning Sewage Lift Station - Dale McBain, APSCO, Inc.
4:30 - 5:00 Intelligence-Based Control of Activated Sludge via Dynamic Exchange Process Management Techniques - Thomas Sichz, Aqua-Aerobic Systems, Inc.

Multiple Topic Sessions

- 1:15 - 2:00 Cogeneration Upgrade Using Stirling Engine Technology at the Helena WWTP - Douglas Miller, CDM, Inc.
2:00 - 2:45 TSEP Preliminary Engineering Reports & Funding - James Edgcomb & Kathleen Miller
2:45 - 3:15 BREAK - Exhibitors Expo
3:00 - 5:00 Tours: Mountain Water Company or WWTP in Missoula
or
3:15 - 3:45 Upper Midwest Municipality Turns to Wastewater Reuse to Supply Ethanol Plant - Eric Dodds, AE2S
3:45 - 4:30 Making Water Reuse Work for Montana Communities - Scott Murphy & Jeremy Perlinski, Morrison-Maierle, Inc.
4:30 - 5:00 Numeric Nutrient Standards for Montana Streams - Dr. Vicki Watson, U of M & Michael Suplee, DEQ
5:00 - 6:30 p.m. Hosted Beer & Wine Bar

AWARDS BANQUET & ENTERTAINMENT

6:30 p.m. Dinner & Awards:

Guest Speaker - Jerry Stevens, AWWA;
AWWA Fuller Award, WEF Hatfield Award, &
MSAWWA/MWEA Lifetime Achievement

Exhibitor Drawing for Free Booth at 2010 Conference - Must Be Present to Win

8:00-10:00 p.m. - Casino Night & Vendor Prize Auction

Friday, May 8, 2009

7:30 - 9:00 a.m. Joint MWEA/MSAWWA Membership Meeting

8:00 - 10:00 Late Registration

Water Sessions

- 9:00 - 9:45 Summary of New Ground Water Regulations - Donna Jensen, Cadmus Group, Inc.
9:45 - 10:30 WTP Pilot Study - Dan Harmon, HDR, Inc.
10:30-11:00 Break - Exhibitors Expo
11:00 - 11:30 Coagulation Assisted Hi Pressured Microfiltration Membranes for TOC Removal - Joseph Tardio, Pall Corporation
11:30 - 12:00 LT2 - Early Implementation Requirements & Initial Findings in MT - John Weikel, MT DEQ

Wastewater Sessions

- 9:00 - 9:45 Achieving Low-Level Phosphorus Discharges - Ted Field, Glenn Gustafson, AE2S
9:45 - 10:30 Start-up & Initialization of the Manhattan Advanced Wastewater Treatment Facility - Donald Ricketts, Wastewater Technologies, Inc.; Robert Seamons, Stahly Engineering, Inc.
10:30 - 11:00 BREAK - Exhibitors Expo
11:00 - 11:30 Use of Constructed Wetlands in Cold Climates - Rickey Schultz, HDR, Inc.
11:30 - 12:00 LEED Silver Certified Pump Station - R. Dale Richwine, MWH Americas, Inc.

Multiple Topic Sessions

- 9:00 - 9:45 Advances in Telemetry - Joseph Ahler, High Tide Technologies, LLC
9:45 - 10:30 Enhanced Reference Guides & Interactive Fact Sheets - Kevin Kundert, eTrain Online
10:30 - 11:00 BREAK - Exhibitors Expo
11:00 - 11:30 Emergency Response Using Montana Water/Wastewater Agency Response Network (MT WARN) - Mike Jacobsen, City of Great Falls; Dusti Lowndes, MT DEQ; & Dan Kramer, MT Rural Water
11:30 - 12:00 Hydrologic Processes Associated with Storm Water Infiltration Through the Sand, Gravel & Cobble Dominated Unsaturated Zone of the Missoula Aquifer - James Swierc, U of M

LUNCH & PRIZES

- 12:15 - 1:30 pm LUNCH, Introduction of New MWEA President and MSAWWA Chair, Vendor Prize Drawings
Recognition: Committees
1:30 p.m. Conference Adjourns

CHARLES V. WEIR Continued: With more than 35 years experience in the operation, maintenance & management of wastewater treatment systems, Chuck recently retired after 19 yrs as General Manager, East Bay Dischargers Authority. A WEF member since 1973, he has been a member of the Board of Trustees, House of Delegates & served on numerous committees. In addition, he has also been an active member of the California WEA serving as president, treasurer, board member & chair of several CWEA committees including long range planning and operator training and technical certification.

WATER FOR PEOPLE CONTINUES SILENT AUCTION

Water For People Silent Auction - to be held during the conference. If you would like to donate items to the WFP Silent Auction please contact Shelley Nolan at (406) 755-8985 or e-mail her at snolan@mt.gov. of John Camden at (406)457-9096 or email at camden50@bresnan.net. Bring your auction items (large or small - all items are appreciated) to the registration desk by 8:00 a.m. Thursday, May 7. Then join in the fun and bid on WFP Silent Auction items during the conference. All proceeds go towards supporting WFP projects in Malawii and Honduras.

STUDENT POSTER DISPLAY

Student Poster Displays - MSAWWA would like to invite college students to present posters of projects they may be working on or research they have done that relates to the water industry. The best poster will be awarded a \$100 prize. Posters must be submitted by April 30, 2008 for consideration. They should measure 24" by 36". Each display may have no more than 3 posters. Students do not have to attend the conference, but are encouraged to attend the Thursday evening social and be present at their displays. For more information contact Nancy Bruner 406-627-2478 or msawwamwea@dishmail.net.

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