

Thank you to our 2015 Conference Sponsors!

Front Range Ballroom
Total Capacity: 28,800 sq. ft.

High Meadows Ballroom
Total Capacity: 7,200 sq. ft.



Sunday, September 13, 2015

REGISTRATION 12:00 Noon - 7:00 PM Location: Rotunda Lobby
GOLF TOURNAMENT 7:00 AM - Registration & Breakfast 7:30 AM to mid-afternoon - Golf Mariana Butte Golf Course
BIKE RIDE 9:00 AM to mid-afternoon Meet in Embassy Suites Lobby
EXHIBIT HALL SETUP "EXHIBITORS ONLY" 11:00 AM - 5:00 PM Front Range Ballroom
MEET AND GREET RECEPTION 5:00 to 7:00 PM Sponsored by Engineered Equipment Solutions High Meadows Ballroom (Aspen Daisy, Elderberry, Golden Glow, Snowberry)

Registration/ Breakfasts	8:30	9:00	9:30	Room	Session	10:00	10:30	11:00	11:30	12:00	1:00	1:30	2:00	2:30	Room	Session	3:00	3:30	4:00	4:30 - beyond
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Registration/ Breakfasts	8:30	9:00	9:30	Room	Session	10:00	10:30	11:00	11:30	12:00	Room	Session	1:00	1:30	2:00	2:30	3:00	3:30	4:00	4:30 - beyond
REGISTRATION 7:00 AM to 5:00 PM Rotunda Lobby	Monday, September 14, 2015																			
RMWEA BREAKFAST 7:00 AM Big Thompson A	RMSAWWA BREAKFAST 7:00 AM Big Thompson B																			
OPENING SESSION 8:30 to 9:45 AM High Meadows Ballroom (Aspen Daisy, Elderberry, Golden Glow, Snowberry)																				
Canyon Maple A Moderator: Kee Venkatapathi, FEI	Canyon Maple B Moderator: Steve Walker, Carollo Engineers	Canyon Maple C Moderator: Richard Gerstberger, TAP Resource Development	Big Thompson AB Moderator: Solange Huggins, Garney Construction	Carter Lake AB Moderator: Eddie Hernandez, Denver Water	Lake Loveland AB Moderator: José Velazquez, Tetra Tech	Session 1: Wastewater Nitrogen Removal	Session 2: The Future of O&M	Session 3: Workforce Issues	Session 4: Water Optimization	Session 5: Water Distribution	Session 6: Wastewater Energy	10:00	10:30	11:00	11:30	12:00	Room	Session	1:00	1:30
Mainstream Nitrite Shunt With Biological Phosphorus Recycle Using Low DO Concentrations Jose Jimenez, Brown and Caldwell	Taking an Electronic Operations Philosophy to the Next Level Expands Their Knowledge Management Program Byron Wood, HDR	Intership Programs: A Report From the Field Water Service Industry Gunter Ritter, City of Englewood	Lessons Learned from 20 Years of Optimization Barbara Marini, AWWA	Emergency HDD Installation For Water Main With Flood Damage Solutions Steve Austin, Undergrnd Solutions	Digester Gas to Vehicle Fuel Mike Barnes, Kennedy/Jenks	Nitrification Inhibition at the Littleton / Englewood WWTP - Case Solved! Greg Farmer, Littleton / Englewood WWTP	Electronic Operations Manual: A Smarter Way to Maintain Vital Water System Delivery Rachel Schmidt, APCADIS Peter Kraft, Denver Water	How To Deal With The Toxic Employee Bernardo Dizon, Cherokee Metro District Terry Arnold, PWSD	Troubleshooting Reduced Capacity Challenges at a 50-mgd Membrane Plant Larry Schimmoller/Kary Meyer, CR2M HILL	Utilizing Historic Break Data to Develop a Proactive Distribution Renewal Program - A Case Study for Westminster, Colorado Stephanie Fickerslein, HDR	Wastewater Energy	10:00	10:30	11:00	11:30	12:00	Room	Session	1:00	1:30
Colorado's First Anammox Sidesream Treatment System Gina Rust, HDR	Going Mobile: Electronic Mapbooks and Work Orders in the Field Sarah Young, City of Aurora - Water Dept.	Why Become a Leader? Karen Bish, Littleton/Englewood Patrick Farrell	Optimizing Natural Organic Matter Removal Using CO2 Injection for Acidification Victoria Billings, Colorado School of Mines	Transmission Main Construction via a mile-long tunnel Nate Soule, Briley Associates	Thermal Hydrolysis Comes to Texas! Samir Mathur, CDM Smith	EXHIBIT HALL SETUP "EXHIBITORS ONLY" 7:00 AM to 10:00 AM Front Range Ballroom	EXHIBIT HALL SETUP "EXHIBITORS ONLY" 7:00 AM to 10:00 AM Front Range Ballroom	EXHIBIT HALL SETUP "EXHIBITORS ONLY" 7:00 AM to 10:00 AM Front Range Ballroom	EXHIBIT HALL SETUP "EXHIBITORS ONLY" 7:00 AM to 10:00 AM Front Range Ballroom	EXHIBIT HALL SETUP "EXHIBITORS ONLY" 7:00 AM to 10:00 AM Front Range Ballroom	EXHIBIT HALL SETUP "EXHIBITORS ONLY" 7:00 AM to 10:00 AM Front Range Ballroom	EXHIBIT HALL SETUP "EXHIBITORS ONLY" 7:00 AM to 10:00 AM Front Range Ballroom	EXHIBIT HALL SETUP "EXHIBITORS ONLY" 7:00 AM to 10:00 AM Front Range Ballroom	EXHIBIT HALL SETUP "EXHIBITORS ONLY" 7:00 AM to 10:00 AM Front Range Ballroom	EXHIBIT HALL SETUP "EXHIBITORS ONLY" 7:00 AM to 10:00 AM Front Range Ballroom	EXHIBIT HALL SETUP "EXHIBITORS ONLY" 7:00 AM to 10:00 AM Front Range Ballroom	EXHIBIT HALL SETUP "EXHIBITORS ONLY" 7:00 AM to 10:00 AM Front Range Ballroom	EXHIBIT HALL SETUP "EXHIBITORS ONLY" 7:00 AM to 10:00 AM Front Range Ballroom	EXHIBIT HALL SETUP "EXHIBITORS ONLY" 7:00 AM to 10:00 AM Front Range Ballroom	EXHIBIT HALL SETUP "EXHIBITORS ONLY" 7:00 AM to 10:00 AM Front Range Ballroom
RMSAWWA BUSINESS LUNCHEON & AWARDS 11:30 AM to 1:00 PM Sponsored by Denver Water and Mortenson Construction High Meadows Ballroom (Aspen Daisy, Elderberry, Golden Glow, Snowberry)																				
NO TECHNICAL SESSIONS --- EXHIBIT HALL OPEN																				
WATER TASTE TEST Exhibit Hall 1:30 PM to 3:00 PM Front Range Ballroom																				
OPERATIONS CHALLENGE DEMONSTRATION 1 PM to 2 PM Outside Exhibit Hall																				
NETWORKING BREAK Exhibit Hall Front Range Ballroom																				
Canyon Maple A Moderator: Erya Stec-Uddin, MWRD	Canyon Maple B Moderator: Cole Sigmon, City of Boulder	Canyon Maple C Moderator: Pieter Van Ry, PWSD	Big Thompson AB Moderator: Leia Perkins, Black & Veatch	Carter Lake AB Moderator: Zach Collins, Woodmoor Water & San District	Lake Loveland AB Moderator: Kim Matchler, Colorado Springs Utilities	Session 7: Anammox	Session 8: Wastewater Bench/Pilot Testing	Session 9: Asset Management	Session 10: Water Hot Topics	Session 11: Wastewater Collection	Session 12: System Public Affairs	Room	Session	2:00	2:30	3:00	3:30	4:00	4:30 - beyond	
Recommendations and Lessons Learned from the Startup of Two Full-Scale Sidesream DEMON Processes in North America Andrea Nilong, World Water Works	Getting the Water Out: Plot Testing to Optimize Centrifuge Performance Phosphorus Removal Solids Becky Luna, Carollo Engineers	Treatment Plant Condition Assessments: What Value Do They Really Provide? Jennifer Sullivan, HDR Steve Folle, City of Boulder	Impacts of Fire Retardants on Water Quality Pinar Onur-Ozbek, Colorado State University	SOB's & the Meas They Make - F23 Damage in the City of Denver Repair Methods - Robert Dennis, Hatch/Mott MacDonald	Implementing Successful Public Affairs for Permitting and Construction of the Southern Delivery System, Colorado Springs, CO	Completing Your Required Asset Management Program in Five Steps Jeffrey Sanford, CH2M	Water Treatment Facilities Go BIM BAM BOCIM! Steve Walker, Carollo Engineers	How Low Can You Go: Tertiary Treatment Pilot Testing to Meet Stringent Nutrient Limits Stephanie Fevig, Brown and Caldwell	MWRD'S Experience Developing Full-Scale Metrics & Methods To Optimize Dewatering Costs & Performance Quintin Schermhorn, Metro District	Solving Residuals Handling on a Constrained Site Anthony VanHavenbeke, Brown and Caldwell	H2S Mitigation Using Ambient Air Injection Terry Sykes, Mesa County	Room	Session	2:00	2:30	3:00	3:30	4:00	4:30 - beyond	
TOILET BOWL TRIVIA CONTEST 4:30 to 6:30 PM Sponsored by ISIWEST Exhibit Hall - Front Range Ballroom																				

2015 RMSAWWA / RMWEA Joint Annual Conference: September 13-16

Tuesday, September 15, 2015

Registration/ Breakfasts	REGISTRATION 7:00 AM - 5:00 PM Location: Rotunda Lobby	JOINT GOVERNING BOARD BREAKFAST 7:00 AM Aspen Daisy	
Room	Canyon Maple A Moderator: Lisa Voytko, CH2M	Canyon Maple B Moderator: David Dani, CDPHE	Canyon Maple C Moderator: Julie Smith, Miller Coors
Session	Session 13: Advanced Water Treatment	Session 14: Small Water Systems	Session 15: Wastewater
8:30	Softening Optimization at the Binney Water Purification Facility Jason Assouline, CH2M	Starting From The Top - New Water for Telluride Bill Wenmet, AECOM	Williams Menasco BNR Upgrades: Controlling Costs by Maximizing Existing Infrastructure Utilization Chris Olson, Burns & McDonnell
9:00	Treatment of Reclaimed Water Using Ceramic Membrane Filtration and Recirculating PAC at the Ruetter-Hess Facility Sam Franzen, Dewberry	Assessment and Implementation of Innovative Technologies for Small Systems by the DeRISK Center Chad Seidel, DeRISK Center	Start-up and Operation of the Metro District's New South Secondary BNR Facility Jeff Benfin, Carolo Engineers Elysa Stec-Uddin, MWRD
9:30	Two-Stage, Fixed-Bed Biological Treatment: Why Use a Pile Driver When a Hammer Will Work? Vincent Hart, Carolo Engineers	A New Approach to Technical Assistance for Small Systems: Retrofit Construction Compliance Challenges Joy Barrett, RCAP	Big Time Bypass - Challenges of Retrofit Construction Andrew Waddoups, Burns & McDonnell
10:00	NETWORKING BREAK Exhibit Hall Front Range Ballroom		
10:30	RMSAWWA Membership Committee & Joint Small Systems Committee	RMSAWWA Water Treatment Committee & RMWEA PWO Committee	RMWEA Industrial Treatment/Pretreatment Committee & RMWEA Biosolids Committee
11:00	RMSAWWA Innovative Wastewater Technology Committee & RMWEA Lab Practices Committee		
11:30	RMSAWWA Business Luncheon & Awards 11:30 AM to 1:00 PM Sponsored by Tetra Tech and Hydro Construction High Meadows Ballroom (Aspen Daisy, Elderberry, Golden Glow, Snowberry)		
12:00	Light Lunch in Exhibit Hall 12:00 PM to 1:00 PM Sponsored by Ramsey Environmental Compliance		
Room	Canyon Maple A Moderator: Stephanie Sanson, PWS	Canyon Maple B Moderator: Joe R. Tamburini, Tetra Tech	Canyon Maple C Moderator: David Myers, Sovereign Consulting
Session	Session 19: Water Treatment	Session 20: Wastewater Nutrient Removal	Session 21: Wastewater - Solids, Grease, Odors
1:00	Chlorine to Chloramine Disinfection - Evaluating the Costs, Benefits and Drawbacks Emily Allen, Kennedy/Jenks Consultants	Magnette ballasted technology meeting ultra phosphorus limits at Five WWTP's - A Five Year Operational Case Study Robert Backman, Evocqua	Large Bubble vs. Submersible Mixing Brian Knadle, Burns & McDonnell
1:30	Denver Water Benefits From a 3D Model Study of EPRP at the BIM Site Julia Nicholson, Arcadis	Impacts of Upgrading WWTPs to meet Colorado's 2015: a Case Study of EPRP at the Clinton Regional WWTF Patrick Raddabaugh, Dewberry	Relative Performance of Grit Removal Systems Pat Henrick, Hydro International
2:00	Baffled Storage Tank Provides Contact Time for Durango's College Mesa WTP Jerry Edwards, Bohannan Huson	Process Intensification Alternatives for Nutrient Removal Jose Jimenez, Brown and Caldwell	What's Wrong with My Screw Press? Nick Worley, FEI Engineers Inc.
2:30	NETWORKING BREAK Exhibit Hall Front Range Ballroom		
3:00	Evaluation of Oxidation and Ammonia Nitrogen in the Middle and Town Removal Muthukumar Sampath, Colorado State University	Implementing Nutrients in Colorado - What's Next? Sarah Reeves, Brown and Caldwell	Resource Typing - An Innovative Approach Christine Herndon, Herndon Solutions Group and Stephen Gay, City of Westminster
3:30	Temporary Fluoride Treatment Using a Portable Reverse Osmosis Unit Diane Monahan, City of Gillette	New Probes Around Every Corner Cole Stigmon, City of Boulder WWTF	Optimizing Quality and Power Costs for Rio Grande Water Distribution System Nathan Roberts, Bohannan Huson
4:00	Benefits of an Open Platform Membrane System Vincent Hart, Carolo Engineers	Application of TDS Mock Effluents as a Tool in Identifying Common Ion Toxicity David Pillard, TRE Environmental Strategies	A New Curriculum for Teaching Health to Water Operators Jeff Oxenduff, Oxenduff Consulting
4:30 - beyond	CONFERENCE DINNER - RMSAWWA & RMWEA AWARDS 5:30 to 10:30 PM High Meadows Ballroom (Aspen Daisy, Elderberry, Golden Glow, Snowberry) Sponsored by Leonard Rice Engineers		

2015 RMSAWWA / RMWEA Joint Annual Conference: September 13-16

Wednesday, September 16, 2015

Registration/ Breakfasts	REGISTRATION 7:00 AM - 5:00 PM Location: Rotunda Lobby	UTILITY COUNCIL BREAKFAST 7:00 AM Snowberry	
Room	Canyon Maple A Moderator: Blair Coming, SACWSD	Canyon Maple B Moderator: Philip Brandhuber, HDR	Canyon Maple C Moderator: Mary Prescecan, Leonard Rice Engineers
Session	Session 26: Lab Practices Track - Wastewater	Session 27: Regulations - Water	Session 28: Reuse
8:30	Gaining Regulatory Approval of a Simplified Total Nitrogen Method Part 2 Derek Walker, Hach	Colorado's Implementation of the Backflow Prevention and Cross-Connection Control Rule Jorge Delgado, CDPHE	A Path Toward Direct Potable Reuse in Colorado Sarah Craig, HDR
9:00	Gaining Regulatory Approval of a Simplified Total Nitrogen Method Part 1 Derek Walker, Hach	Got Chlorine? Colorado's Revised Drinking Water Distribution System Disinfectant Residual Requirements Tyson Ingels, CDPHE	Developing Potable Reuse for El Paso, Texas in the Most Direct Approach Laurie Sullivan, ARCADIS
9:30	Activated Sludge Microbiology Part 2 Kimberly Cowan and Barb Lilley, RMWEA Lab Practices Committee	Ready, Set, Go! Colorado's Implementation of the Revised Total Coliform Rule Nicole Graziano, CDPHE	Potable Reuse is Overcoming The Public Perception Hurdle But Facing Real Operational Challenges Jillian Vandegriff, CDM Smith
10:00	Activated Sludge Microbiology Part 1 Kimberly Cowan and Barb Lilley, RMWEA Lab Practices Committee	Get Ready for a "Think Tank": Colorado's Implementation of the Storage Tank Rule Tyson Ingels, CDPHE	Process Challenges on the Largest AOP system applied toward Aquifer Storage Recovery Christine Sednek, Burns and McDonnell
10:30	NETWORKING BREAK Exhibit Hall Front Range Ballroom		
11:00	NO TECHNICAL SESSIONS --- EXHIBIT HALL OPEN Front Range Ballroom		
11:30	Light Lunch in Exhibit Hall 12:00 PM to 1:00 PM Sponsored by Kennedy/Jenks Consultants		
12:00	Light Lunch in Exhibit Hall 12:00 PM to 1:00 PM Sponsored by Kennedy/Jenks Consultants		
Room	Canyon Maple A Moderator: Kevin Feeley, MWRD	Canyon Maple B Moderator: Melissa Elliot, Denver Water	Canyon Maple C Moderator: Stephanie Elliot, Stantec
Session	Session 33: Lab Practices Track - Wastewater	Session 34: Water Conservation	Session 35: Wastewater Potpourri
1:00	Whole Effluent Toxicity (WET) Testing for Part 2 Natalie Love, RMWEA Lab Practices Committee	Incentivizing Conservation through Connection Charges Amanda Nuding, westernsourcecooperates.org	News Flash: Boom Goes the Biogas! Brian Knadle, Burns & McDonnell
1:30	Whole Effluent Toxicity (WET) Testing for Part 2 Natalie Love, RMWEA Lab Practices Committee	The Limits of Water Conservation and the Real Water/Energy Nexus William DeOro, Aquacraft	Optimization of GIS-Centric Planning for Wastewater Treatment and Sanitation Districts Eliron Anderson, Stoughton Water and Sanitation Districts
2:00	Troubleshooting BOD Steven Ellis, RMWEA Lab Practices Committee	Distribution Optimization by Identifying and Minimizing Non-Revenue Water Angelique Maldonado, ABCWUA	Acoustic Fiber Optic Monitoring of PCCP Ramsay Hemaldan, Pure Technologies
2:30	NETWORKING BREAK Hallway in Front of Big Thompson		
3:00	Is there a better alternative to BOD or COD Methods? Part 1 Derek Walker, Hach		Sharing Best Practices for Process Control at New Mexico Wastewater Treatment Facilities Terry Dokken, CH2M
3:30	Is there a better alternative to BOD or COD Methods? Part 2 Derek Walker, Hach		Smart Water Meters and Systems Mark Shamley, Metron-Farnier
4:00	Future Regulations: Water and Wastewater Ron Falco, Safe Drinking Water Program Manager, CDPHE		A New Approach to Water Leakage Using Dynamic Synchronization Dawn Halpern, Utility Service Group
4:30 - beyond	End of Conference! Drive home safe and see you next year in Keystone!		