

**Water System Optimization Conference
Draft Conference Program
March 2015**

Wednesday – October 28, 2015 - Morning

Opening General Session
TBD

**Wednesday – October 28, 2015 – Afternoon
*Partnership for Safe Water – 20 Years of Optimization***

1:00 – 1:30pm	Got Buy-In? Kevin Linder (Aurora Water)
1:30 – 2:15pm	Three Keys to Success David Hardy (Central Utah Water Conservancy District)
2:15 – 2:45pm	Turbidity Data Integrity – Overview and Real-World Implications Alison Dugan (USEPA) and Bill David (Process Applications, Inc.)
2:45 – 3:00pm	Networking Break
3:00 – 3:30pm	Case Study – Success Stories from the Self-Assessment at Denver Water’s Moffat Water Treatment Plant Andrea Song (Denver Water)
3:30 – 4:00pm	Our Utility is a New Partnership Award Winner – Now What? Tom Schippert (AWWA) and Amy Wilson (Beaver Water District)
4:00 – 4:30pm	PEXEP – 15 Years of Excellence Alain Lalumiere (Reseau Environnement) and Barb Martin (AWWA)
4:30 – 5:00pm	The Value of the Partnership for Safe Water to Pennsylvania Department of Environmental Protection Kevin Anderson (PA DEP)

Thursday – October 29, 2015 – Morning/Treatment Track
Operational Excellence – Case Studies and Lessons Learned from Phase IV Utilities

- 8:30 – 9:00am Starting with the End in Mind
Kevin Linder (Aurora Water)
- 9:30 – 10:00am Creating Treatment Optimization Framework and Culture
Chris Bobay (Louisville Water Company)
- 9:30 – 10:00am Using a Pilot Plant to Perform Treatment Optimization
April Nabors (Water Works Board of the City of Birmingham)
- 10:00 – 10:30am Networking Break
- 10:30 – 11:00am Overcoming Complacency using Optimization Goal Setting
Michael Barsotti (Champlain Water District)
- 11:00 – 11:30am Water Treatment Forensics to meet your Full Zeta Potential
Michael Rau (Central Utah Water Conservancy District)
- 11:30am – 12:00pm Maintaining a Culture of Excellence
David Miller (Manchester Water Works)

Thursday – October 29, 2015 – Morning/Distribution Track
Field Reports from the Distribution System

- 8:30 – 9:00am Surviving Fire, Flood, and the Partnership for Safe Water Self-Assessment
Andrea Schweitzer (Fort Collins Utilities)
- 9:30 – 10:00am THM Removal by Water Spray – Tank Top Results
Thomas Clark (Monroe County Water Authority)
- 9:30 – 10:00am Distribution Optimization – Achieving Professional Operations
Jeffrey Maccarella and Aaron Balliet (American Water Military Services)
- 10:00 – 10:30am Networking Break
- 10:30 – 11:00am Maintaining Louisville Water Company’s Best Tasting Tap Water
Vincent Monks (Louisville Water Company)
- 11:00 – 11:30am Free Chlorine and Chloramine Optimization in a Consecutive System: A Lesson in the
Multi-Parameter Approach
Laura Blood (PA DEP)
- 11:30am – 12:00pm Philadelphia Water Department’s Non-Traditional Self-Assessment
Dennis O’Connor (Philadelphia Water Department)

Thursday – October 29, 2015 – Afternoon/Treatment Track

Part I – “Doing the Simple Exceedingly Well”

- 1:30 – 2:00pm Improving Water Treatment Plant Performance – Tools for Water Treatment Plants to Achieve Optimization
Michael Grimm (Aquamize)
- 2:00 – 2:30pm Pre-Oxidation to Improve Filter Performance
Brad Zachman (Aurora Water)
- 2:30 – 3:00pm ESTW: Applications and Lessons Learned
Tom Waters (USEPA)
- 3:00 – 3:30pm Networking Break

Part II – Innovations in Treatment Optimization

- 3:30 – 4:00pm Optimizing Membrane Filtration Using the Revised Self-Assessment Guide
Ed Chescattie (PA DEP)
- 4:00 – 4:30pm The Integration of Smart Device Technology into Instrumentation to Optimize Plant Performance
Michael Sadar (Tintometer)
- 4:30 – 5:00pm Floc Characterization: The Missing Link
Tyson Ingels (CDPHE)

Thursday – October 29, 2015 – Afternoon/Distribution Track

Part I – Tools and Techniques for Distribution System Optimization

- 1:30 – 2:00pm Distribution System Tank Monitoring and Water Quality
Paul Handke (Red Valve)
- 2:00 – 2:30pm Water Quality Monitoring and Nitrification Control in Chloraminated Distribution
Systems
Matthew Alexander (USEPA)
- 2:30 – 3:00pm Aligning System Performance, Energy Efficiency, and Water Quality: Case Studies in
Optimization
Rob Sowby (Hansen, Allen & Luce)
- 3:00 – 3:30pm Networking Break

Part II – Distribution Systems: A Look Ahead

- 3:30 – 4:00pm Preparing for Revisions to the Revised Total Coliform Rule
Keith Cartnick (United Water)
- 4:00 – 4:30pm Control of *Naegleria fowleri* in Drinking Water Distribution Systems
Jennifer Clancy (Corona Environmental)
- 4:30 – 5:00pm Premise Plumbing: Research Issues for Utilities
Kim Linton (Water Research Foundation)

Friday – October 30, 2015 – Morning/Treatment Track
Treatment Plant Optimization Tools

- 8:00 – 8:30am Online Monitoring of Dissolved Oxygen for Manganese Control in Water Treatment
Vadim Malkov (Hach Company)
- 8:30 – 9:00am Optimizing the Operation of Gravity Media Filters
Tom Getting (Xylem)
- 9:00 – 9:30am Fluorescence Enhanced Treatment Process Optimization
Christopher Miller (University of Akron)
- 9:30 – 10:00am Process Optimization using Online Continuous Zeta Potential Monitoring
Ana Morfesis (Malvern Instruments)
- 10:00 – 10:30am Real World Applications of Using Dynamic Simulation Software to Optimize Water
Treatment Plant Process Operations
Matthew Ridens (CH2MHill)

Friday – October 30, 2015 – Morning/Distribution Track
Distribution System Optimization Tools

- 8:00 – 8:30am High Frequency Real Time Data from Online THM Monitors Lead to More Cost Effective
THM Remediation Solutions
Tom Williams (Aqua Metrology)
- 8:30 – 9:00am Use of Main Break Data for Better System Management and Operation
Michael Brown (Gannett Fleming)
- 9:00 – 9:30am Mixers and Aeration Systems: Do these Affect my Tanks?
Christine Gunsauillus (MBA)
- 9:30 – 10:00am DBP Removal and Control in Distribution Systems
Dr. Yuefeng Xie (Pennsylvania State University, Harrisburg)
- 10:00 – 10:30am Planning a Flushing Program
Tom Walski (Bentley Systems)
- 10:00 – 10:30am Networking Break (Both Tracks)

Closing Session: The Optimization Journey Continues

- 11:00am – 12:00pm Panel Discussion with Partnership Staff and Subscribers (Both Tracks)