

# Concurrent Technical Sessions

## Wednesday, September 22 - Morning

### Plant Operations Session

- 8:00–8:30      **On-site Hypochlorite System Delivers Record Efficiency Levels; Potential Cost Savings of Hundreds of Thousands of Dollars**  
*Joel Neulight and Nadia Abboud – Severn Trent Services*
- 8:30–9:00      **Effective Volume Factor of 0.9 for the Garrett A. Morgan Water Treatment Plant Reservoir**  
*Maggie Rodgers and Tyrone Butler – Cleveland Division of Water*
- 9:00–9:30      **Eliminating Manganese Precipitation in Distribution System**  
*Stan Zachopoulos – MWH Americas, Inc.; and Kelly Ricklic – City of New Philadelphia*
- 9:30–10:00     **Meshing Treatment Objectives, Water Quality Goals and Regulatory Requirements into a Plant Expansion**  
*Robert Green – Hazen and Sawyer; and Eric Heiser - CCWRD*
- 10:15–10:45    **Cleveland Morgan Water Treatment Plant Finished Water Reservoir**  
*Joseph G. Stanley – Hatch Mott MacDonald*
- 10:45–11:15    **A Study of Granular Activated Carbon Adsorbed Backwash Triggers and Profiles at Existing Facilities and Application to Design**  
*Nichole M. Dajdak, P.E. and Bob Green, P.E. – Hazen and Sawyer*
- 11:15–11:45    **Dublin Road Water Plant – Clearwell/Basin Rehab**  
*Mark Eppich – Columbus Division of Power and Water*

### Utility Management Session

- 8:00–8:30      **Conserving Water and Money – How to Begin and Justify A Water Loss Reduction Program**  
*Dan Barr and Bernie Bouman – Burgess and Niple, Inc.*
- 8:30–9:00      **How to Leverage Grants for Water Quality**  
*Elayna M. Goody – Columbus Division of Power and Water*
- 9:00–9:30      **It Begins and Ends with the Customer**  
*Kevin Campanella and Melinda Cunningham – Columbus Department of Public Utilities*
- 9:30–10:00     **Pay Me Now or Pay Me Later (Incorporating Asset Management Concepts into the Development of a Water Distribution System R&R Master Plan)**  
*Kevin Campanella - Columbus Department of Public Utilities; and David Sklar and Gregory Osthues – Malcolm Pirnie*
- 10:15–10:45    **Performance Based Testing of Carbon to Aid in the Bid Process**  
*Michele Humphrey – Columbus Division of Power and Water*
- 10:45–11:15    **Comprehensive and Distribution Master Planning for a Large Utility**  
*M. Joseph Clouse & Richard Westerfield – Columbus Division of Power and Water and James Hays – Malcolm Pirnie*
- 11:15–11:45    **Student Paper**

## Wednesday, September 22, 2010 - Afternoon

### Distribution Session

- 2:15–2:45      **Stripping TTHM's in Water Storage Tanks – Is This Working?**  
*Zachary A. Held – Burgess and Niple, Inc.*
- 2:45–3:15      **Rehabilitation & Replacement Prioritization and Planning Using GIS**  
*Darla Bokeno – City of Hamilton and Chris Heltzel – Malcolm Pirnie*
- 3:30–4:00      **Student Paper**
- 4:00–4:30      **Determination of Chlorine Bulk and Wall Decay Coefficients for Calibration of the GCWW All-Pipes Distribution System Model**  
*Haishan Piao and Yeongho Lee – Greater Cincinnati Water Works*
- 4:30–5:00      **Development of a Protocol for Application of Existing Water Distribution System Models and Monitoring Data to Predict Water Quality Using Bayesian Statistics**  
*Jim P. Cooper – ARCADIS*

### Emerging Technology Session

- 2:15-2:45      **Student Paper**
- 2:45-3:15      **Energy Efficiency Evaluation of Benchmarked UV/H<sub>2</sub>O<sub>2</sub> Pilot Reactors For EDC Destruction**  
*Maria Meyer and Deborah H. Metz – Greater Cincinnati Water Works*
- 3:30–4:00      **Resolving Disinfection Byproduct (DBP) Violations at Small Water Treatment Systems Using Granular Activated Carbon (GAC)**  
*David B. Kohlmeier – CTI Engineers*
- 4:00–4:30      **Emerging Contaminants: An Approach for Assessing Treatment Efficacy**  
*Leigh McDermott and Iva Danilovic. – Stantec Consulting; and Franklyn Smith – Regional Municipality of Waterloo*
- 4:30–5:00      **Cost Effective use of UV-Peroxide for Geosmin and MIB Removal**  
*John Civardi – Hatch Mott MacDonald; Marc Lucca – Aqua*

## **Thursday, September 23, 2010 - Morning Concurrent Technical Sessions**

### **Regulatory Session**

- 8:30–9:00      **Ohio EPA Update**  
*Mike Baker - Ohio EPA*
- 9:00–9:30      **Sanitary Surveys**  
*Dan Cloyd - Ohio EPA*
- 9:30–10:00     **State/Federal Legislative Update**  
*Mike Baker - Ohio EPA*
- 10:15–10:45   **Lead and Copper Rule Changes**  
*Ken Baughman - Ohio EPA*
- 10:45–11:15   **Ground Water Rule**  
*Bob Moore - Ohio EPA*
- 11:15–11:45   **Approved Capacity – Planning Requirements**  
*John Arduini - Ohio EPA*

### **Source Water Session**

- 8:30–9:00      **Protecting Your Water Supply and Your Bottom Line: Shifting Treatment Costs from Ratepayers to Polluters**  
*Alexander Leff – Sher Leff, LLP*
- 9:00–9:30      **Sustainable Wells: Advances in Asset Management Specific to Wells and Wellfields**  
*Stuart A. Smith and Allen E. Comeskey – Ground Water Science*
- 9:30–10:00     **Stewardship of Lands Contiguous to City of Columbus Water Supply Reservoirs**  
*Steven E. Lowe – Columbus Division of Power and Water*
- 10:15–10:45   **Green Infrastructure**  
*John Carter – Columbus Division of Power and Water*
- 10:45–11:15   **WaterSense: A National Brand for Water Conservation and Efficiency**  
*Cary McElhinney – US EPA Region 5*
- 11:15–11:45   **That “Dam(n)” Project – Upgrading the Dublin Road Water Plant Intake While Maintaining Plant Operations**  
*Miriam Siegfroid - Columbus Division of Power and Water; Michael Rowland – BBC&M; and Kristin Knight - Malcolm Pirnie*