

**CENTRAL STATES WATER ENVIRONMENT ASSOCIATION  
TECHNICAL PROGRAM - MAY 9-10, 2006**

Tuesday, May 9, 2006  
10:15-11:45 AM

**Session A  
Odor Control  
Moderator: Beth Vogt**

Odor Control at its Highest Level; David Speth / Donohue & Associates, Inc.

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An Economic Approach for Selecting Odor Control Technology; Gayle Van Durme / Black & Veatch

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Improved Wastewater Treatment in Portobelo, Panama; Jennifer Kessler, Crystal Lee, Anne Mikelonis & Debra Weissman/Northwestern University Student Design Team

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**Session B  
Industrial Treatment / Regulatory  
Moderator: Jason Benson**

Treatability of Poultry and Dairy Waste and Subsequent Capacity Related Issues in a Small Community Wastewater Treatment Facility; David Muenzner / Brown and Caldwell

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Treatment and Disposal of High Strength Fruit and Vegetable Processing Wastewater; Dennis Totzke / Applied Technologies, Inc.

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Strategies for Complying with Limits for Toxic Substances in NPDES Permits; Gerald Bills / Applied Technologies, Inc.

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**Session C  
Wet Weather Treatment  
Moderator: Bill Boyle**

Site Constraints + Ammonia Limits + Peak Wet Weather Flows = High Rate Treatment & Biosolids Processing Technology for Heart of the Valley Metropolitan Sewerage District; Thomas Vik / McMahon Assoc. Inc.

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Comprehensive Planning Provides Cost-Effective Multi-Model Blending Facilities; James Kleinschmidt / Strand Associates

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Experiencing Operating Chemically Enhanced Clarification to Treat Wet Weather Flows; Rich Onderko / Milwaukee Metropolitan Sewerage District

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Tuesday, May 9, 2006  
1:30-4:00 PM (Break 2:30-3:00)

**Session D  
Operations / Construction / Small Systems  
Moderator: Bill Marten**

Operation of Fine Screens at the Madison Metropolitan Sewerage District; Matt Allen / Madison Metropolitan Sewerage District

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"Let's take our four largest wastewater lift stations out of service this Summer and not lose any sleep at night: A Case Study"; Joseph Pisula / Donohue & Associates, Inc.

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**Session E  
Management  
Moderator: Bill Boyle**

Energy Use – what gets written down gets managed!; Joe Cantwell / Wisconsin Focus on Energy, Don Voigt / Energenecs

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My SCADA is Secure and Other Security Myths; Eric Durdov / Westin Engineering

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**Session F  
Secondary Clarifiers / Activated Sludge  
Moderator: Scott Fronek**

CFD/Modeling Evaluation of Four Alternatives of Secondary Clarifiers; Bryan Davis / US Filter, Envirex Products

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Clarifier Optimization at Delafield-Hartland Water Pollution Control Facility; Philip Korth / Foth & Van Dyke

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**Break**

Experiences with Subsurface Flow Wetlands in Wisconsin - A Case Study; David Flowers / Natural Water Solutions, LLC

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Achieving High Quality Effluent Voluntarily at the Greater Bayfield WWTP; Jane Carlson / Strand Associates

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Asset Management Implementation Using TEAMS; David Rein / Rein & Associates

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Deregulation: Friend or Foe??; Dan Dragan / Greeley and Hansen, Nicholas Menninga / Downer's Grove Sanitary District

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Remove Filaments and Increase Capacity Without Adding Tankage - A Case Study at the Village of Grafton Wastewater Facility; Kenneth Sedmak / Donohue & Associates, Inc., Thomas Krueger / Village of Grafton

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Two Stage Activated Sludge with High Purity Oxygen - Analyzing a Dinosaur; Randy Wirtz / Strand Associates, James Liubicich / Glenbard Wastewater Authority

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**Wednesday, May 10, 2006  
9:30-12:00 PM (Break 10:30-11:00)**

**Session G  
Biological Nutrient Removal  
Moderator: Beth Vogt**

Threshold Limits for Nutrient Removal Technologies; Krishna Pagilla / Illinois Institute of Technology

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Optimizing BNR at the Sheboygan WWTP: A Case Study; Dale Doerr / Sheboygan WWTP, Bill Marten / Donohue & Associates

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**Break**

Biological Nutrient Using Advanced MBR Technology; Harold Mao / Zenon Environmental, Inc.

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Sidestreams: Treatment Options at Biological Nutrient Facilities; Heather Phillips / Black & Veatch

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**Session H  
Collection Systems: Wet Weather Flows  
Moderator: Jason Benson**

Implementing a Major Conveyance Project to Meet Multiple Needs and Consider Various Competing Interests and Issues; James Roth / Metropolitan Council Environmental Services, Dave Raby / H.R. Green

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I/I Reduction Cost-Effectiveness: The Results of Milwaukee MSD's Demonstration Projects; Julie McMullin / Brown and Caldwell

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Clear Water Reduction in the Heart of the Valley MSD; Tammy Kuehlmann / Donohue & Associates, Inc.

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Managing Wet Weather Flows One Residence at a Time; Robert Hawes / City of Rock Island

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**Wednesday, May 10, 2006  
1:30-4:00 PM (Break 2:30-3:00)**

**Session J  
Research / Water Reuse  
Moderator: Bill Boyle**

A Critical Design Parameter for Nitrification: Nitrifier Growth Rate; Yu-Min Su / Illinois Institute of Technology

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Characteristics of Autotrophic Organisms in Aerated Anoxic BNR Processes; Dennis Barnes / US Filter, Envirex Products

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**Break**

All For One & One For All: A Water Reuse Partnership with Innovative Treatment and Permitting; Derek Cambridge / Black & Veatch, Mary Fralish / City of Mankato

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Membrane Bioreactor System Provides Reuse Solution for Illinois Golf Course; Sanjay Patel / Enviroquip, Inc.

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**Session K  
Collection Systems: Computer-Aided solutions  
Moderator: Dave Raby**

SCRAPS: An Expert System for Prioritizing Sewer Inspections; Andy Lukas / Brown and Caldwell

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Computer Hydrologic & Hydraulic Modeling of RDII; Stephen Sticklen / Greeley and Hansen

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Control of Infiltration and Inflow: I/I Limits at Thorn Creek Basin Sanitary District; Derek Wold / Baxter & Woodman, Inc.

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Regulatory, Technical, and Modeling Challenges to Developing a Frequency Base SSO Control Project in Wayne County, Michigan; Robert Czachorski / Orchard, Hiltz, & McCliment, Inc., Greg Kacvinsky / Clark-Dietz

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