

2022 CONFERENCE ON THE ENVIRONMENT AGENDA

9:00 -
10:00

Welcome - MCC Room M100A/B/J/I
Keynote - Ms. Katrina Kessler, Minnesota Pollution Control Agency Commissioner

	Session 1 - Industrial & Municipal Wastewater MCC Room M100 F Mark Enochs, MNX	Session 2 - Wastewater Regulations and Updates MCC Room M100 GH Shanna Czeck, St. Cloud	Session 3 - MPCA Air Update MCC Room M100 CD Patti Leaf, Xcel Energy	Session 4 - PFAS MCC Room M100 E Alissa Lawler, Stantec	Student Environmental Challenge MCC Room M101 C
10:30 - 11:00	Energy Efficiency in Lagoon Operations <i>Ben Shakman, TriplePoint</i>	MPCA Wastewater Regulatory Updates <i>Suzanne Baumann, MPCA</i>	Air Quality Regulations: The Year in Review <i>Hassan Bouchareb, and Anne Jackson, MPCA</i>	Annual Update - PFAS Multimedia Regulatory Rundown <i>Adam Driscoll & Nick Palatiello, Barr Engineering Co.</i>	Undergraduate student teams are competing for cash prizes by preparing and presenting a solution to an ESG and carbon-free energy-related problem - guest judges welcome!
11:00 - 11:30	Geotextile Tube Dewatering in Ponds and Lagoons <i>Daniel Wilcox, WaterSolve</i>	City of Hinkley - CWA 505 Lawsuit <i>Kyle Morell, City Administrator</i>		Foam Fractionation - Leveraging the Physiochemistry of PFAS Against Itself <i>Nicole Bolea, ECT2</i>	
11:30 - 12:00	Clear Water Chemistry - The Right Coagulant for the Job. <i>Shane Lund, Veolia Water Technologies & Solutions</i>	MN Warn <i>Tim Hewett, City of St. Cloud, MNWarn Regional Director</i>	Minnesota Climate Policy Update <i>Amanda Jarrett Smith, MPCA</i>	Stimulating Bacteria to Degrade Industrial Chlorinated Solvents <i>Bailey Hadnott, Barr Engineering</i>	

	Session 5 - Wastewater MCC Room M100 F Leigh Henning, Stantec	Session 6 - Resource Recovery and Energy MCC Room M100 GH Quentin Hahn, Burns & McDonnell	Session 7 - Air Miscellaneous Topics MCC Room M100 CD Aisha Balogh, Barr Engineering	Session 8 - Waste Management MCC Room M100 E Roger Clarke, Xcel Energy	
1:00 - 1:30	Improving Nitrogen Removal in Greater Minnesota Wastewater Treatment Ponds <i>Rachel Tenney, University of Minnesota</i>	City of St. Cloud and Tri-County Solids Waste Commission Food Waste to Energy Pilot Program <i>Shanna Czeck and Tim Oswald, St. Cloud Public Utilities</i>	Stayin' In Your Lane—How to Tell When an Agency Regulation or Policy Is Within the Scope of Its Authority <i>Jeremy Greenhouse, Fredrikson & Byron, P.A.</i>	Life-cycle Assessment of Greenhouse Gas Emissions from Waste Management Alternatives: Burn It or Bury It? <i>Chandler Taylor, Allison Serakos & Matthew Metzger, Barr Engineering</i>	
1:30 - 2:00	Primary Filtration: Design Considerations from Concept to Execution <i>Eric Lynne & Steve Gress, Donohue & Associates, Inc.</i>	Minnesota Wastewater Treatment Facility Energy Efficiency Cohort Training & Implementation Support <i>Jon Vanyo, Kira Peterson & Laura Babcock, MnTAP</i>	Avoiding Pitfalls for Like Kind Replacements <i>Tony Colombari, Trinity Consultants</i>	Develop Catalytic Microwave-Assisted Pyrolysis Technology for Plastic Recycling <i>Leilei Dai, University of Minnesota</i>	
2:00 - 2:30	Applying Machine Learning to Wastewater Treatment: Prediction, Control & Optimization Techniques & Key Challenges to Their Implementation <i>Henry Croll, Stantec</i>	Strategic Energy Management (SEM) - How Making No- and/or Low-cost Changes in your Wastewater Operation Can Optimize your Performance & Reduce Energy Use <i>Stephanie Eisner, Cascade Energy</i>	What's the Deal With Non-Road vs Stationary Engines? <i>Jena DeRung, Trinity Consultants</i>	TRUE the First Zero Waste Certification - A Whole Systems Approach to a Circular Economy <i>Sonya Betker, Stantec</i>	

	Session 9 - Stormwater MCC Room M100 F Tim Korby, HR Green	Session 10 - Wastewater MCC Room M100 GH Ashu Sharma, AquaTech	Session 11 - Managing Off-Site Impacts MCC Room M100 CD Shelley Koehn, 3M	Session 12 - Managing Compliance MCC Room M100 E Liam Brady, Stantec	
3:00 - 3:30	Sioux City Stormwater Master Plan Case Study <i>Todd Keniry & Matt Scott, Black & Veatch</i>	The Influent Has Changed! Now What? <i>David Quast, SEH</i>	The Latest on FRP <i>Russell Novotny, Trinity Consultants</i>	Data Management Concepts for Engineers: An II Reduction Case Study - <i>David Patterson, Jacobs Engineering Group Inc</i>	
3:30 - 4:00	Innovative Stormwater Applications Using Tire Derived Aggregate - <i>Monte Niemi, TDA Manufacturing First State Tire Recycling</i>	A Tale of Two Pipes: A Comprehensive Force Main Condition Assessment For the City of Sartell, MN <i>Luis Sandia, SEH, Inc.</i>	Monitoring in Lieu of Modeling: Why and How Should you Monitor? <i>John Ke, Trinity Consultants</i>	Product Compliance with an Environmental Perspective <i>Cheryl Lofrano-Zaske and Joe Heiden, Stantec</i>	
4:00 - 4:30	Scaling Nature Based Solutions in Urban and Rural Areas Through Alternate Delivery <i>Olivia Sims, Black & Veatch</i>	Technologies for Enhancing Shortcut Nitrogen Removal Processes in Maintenance Wastewater Treatment. <i>Anndee Huff-Chester, Brown & Caldwell</i>	TBD	Surviving a Multimedia Inspection <i>Russell Novotny, Trinity Consultants</i>	



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