



34TH ANNUAL

# CONFERENCE ON THE ENVIRONMENT

“FEDERAL, STATE, & LOCAL ENVIRONMENTAL PERSPECTIVES”

THURSDAY, NOVEMBER 7TH, 2019

## PROGRAM AT A GLANCE

TIME	LOCATION	EVENT
7:00am — 10:00am	Mezzanine Lobby	Vendor Display Booth Set-up
7:30am — 8:45am	Mezzanine Lobby	Registration, Continental Breakfast, New Member Welcome
7:30am — 8:15am	Room M100 F	CSWEA Business Meeting
<b>8:45am — 9:00am</b>	<b>Room M100 A B I J</b>	<b>“Welcome” - Tony Colombari (A&amp;WMA), Peter Daniels (CSWEA)</b>
<b>9:00am — 10:00am</b>	<b>Room M100 A B I J</b>	<b>Keynote Address: Laura Bishop (MPCA Commissioner)</b>
10:00am — 10:30am	Mezzanine Lobby	Break, Vendor Display Booths Open, Student & Intern Posters Display
<b>10:30am — 12:00pm</b>	<b>Various (See Next Page)</b>	<b>Session Presentations (See Next Page)</b>
10:30am — 2:30pm	Room M101 C	Student Environmental Challenge
12:00pm — 1:00pm	Room M100 A B I J, M101 A B	Lunch
<b>1:00pm — 2:30pm</b>	<b>Various (See Next Page)</b>	<b>Session Presentations (See Next Page)</b>
2:30pm — 3:00pm	Mezzanine Lobby	Break, Vendor Display Booths Open, Student & Intern Posters Display
<b>3:00pm — 4:30pm</b>	<b>Various (See Next Page)</b>	<b>Session Presentations (See Next Page)</b>
4:30pm — 5:00pm	Mezzanine Lobby	Happy Hour Networking, Student Environmental Challenge Award

Interested in participating on the Planning Committee for the 2020 event? Email [tcolumbari@trinityconsultants.com](mailto:tcolumbari@trinityconsultants.com) or [pdaniels@wenck.com](mailto:pdaniels@wenck.com)

	<b>MCC Room M100 F</b>	<b>MCC Room M100 GH</b>	<b>MCC Room M100 CD</b>	<b>MCC Room M100 E</b>
	<b>Session 1 — Industrial Wastewater</b>	<b>Session 2 — Water Regulatory Updates</b>	<b>Session 3 — Predicting and Reacting to Climate and Air Pollution Forecasts</b>	<b>Session 4 — Toxics / Emerging Pollutants</b>
<b>Moderator</b>	Quentin Hahn - Burns & McDonnell	Will Martin - Hazen and Sawyer	Bill Hefner - Environmental Law Group	Jeff Smith - MPCA
<b>10:30am to 11:00am</b>	<b>Environmental Management at a Nuclear Power Plant</b> Scott Pelot and Brent Kuhl, Xcel Energy	<b>Water Law Update</b> Jeremy P. Greenhouse, The Environmental Law Group, Ltd.	<b>Application of Downscaled Climate Projection Data in Resiliency Planning: A National Assessment</b> Jane O'Malley, HGA; Ariane Laxo, HGA; Brenda O. Hoppe, PHD, MDH	<b>Multimedia Transport of Poly- and Perfluorinated Alkyl Substances (PFAS): Air Emissions to Groundwater - A Case Study</b> Eric Edwalds, Barr Engineering
<b>11:00am to 11:30am</b>	<b>A Portfolio of Sulfate Treatment Technologies for Industrial and Municipal Wastewater</b> Lucinda Johnson, UMD - NRRI	<b>Federal Water Regulatory Update</b> Claudio H. Ternieden, Water Environment Federation (WEF)	<b>Building a Carbon-free Future: Xcel Energy's Carbon Vision and Integrated Resource Planning</b> Nick Martin, Xcel Energy	<b>MnTAP TCE Alternatives Project</b> Jane Paulson, MNTAP
<b>11:30am to 12:00pm</b>	<b>Isolation and Characterization of Psychrophilic Denitrifiers from Woodchip Bioreactors for Bioaugmentation Application</b> Emily Anderson, Geosyntec Consultants	<b>3M PFAS Settlement – Project 1007 Surface Water and Groundwater Interactions</b> Rebecca Higgins, MPCA	<b>Intelligent and Interactive Air Quality Forecasting: How the Minnesota Pollution Control Agency Uses Environmental Data, Artificial Intelligence, and Technology to Predict Air Quality and Inform the Public</b> Daniel Dix, MPCA	<b>2020 TSCA CDR - Are You Ready?</b> Kim Hand and Sara Stroh, Barr Engineering
	<b>Session 5 — Emerging Contaminants in Water</b>	<b>Session 6 — Resource Recovery and Energy</b>	<b>Session 7 — Managing Off-Site Impacts</b>	<b>Session 8 — Controlling Hazardous Substances</b>
<b>Moderator</b>	Emma Larson - City of St. Cloud	Brendan Wolohan - SEH	Jonathan Amos - Xcel	Aisha Balogh - Barr
<b>1:00pm to 1:30pm</b>	<b>Fate and Transport of Bioplastic Nanoparticles in Water Environment</b> Sepideh Sadegi, SDSU	<b>Impact of Co-Digestion on Biogas Production &amp; Nutrient Recovery</b> Nicole Ringle & Tracy Hodel, City of St. Cloud	<b>Methods of NAAQS Compliance: A Case Study for Ambient Air Monitoring</b> Charlene Becka, Wenck	<b>Navigating the E-Manifest System</b> Jill Macioch, Xcel Energy
<b>1:30pm to 2:00pm</b>	<b>Management Approach to Sustainable Drinking Water; Addressing PFAS Contamination Across Fourteen Communities</b> Shalene Thomas and Michele Mabry, Wood Group	<b>Building Resilient Communities: Biofuel Generators, High Strength Waste, and Public Outreach</b> Sam Lobby, Western Lake Superior Sanitary District (WLSSD)	<b>Navigating an Air Emissions Risk Analysis</b> Alex Gelz, Trinity Consultants	<b>Achieving Compliance with the Ever-Changing Risk Management Program Regulations (40 CFR Part 68)</b> Rydell Klosterman, Trinity Consultants
<b>2:00pm to 2:30pm</b>	<b>PFAS-Impacted Water Treatment Emergency Response and Implementation</b> Katie Wolohan and Andy McCabe, Barr Engineering	<b>Potable Reuse in the Upper Midwest</b> Patrick Haney, Stantec	<b>Odor Management Concepts for Animal Feeding Operations</b> Kevin Janni, U of M	<b>Environmental Forensics for Litigation Support and Environmental Strategy Development</b> Jay Thompson, Geosyntec Consultants
	<b>Session 9 — Storm Water</b>	<b>Session 10 — Wastewater</b>	<b>Session 11 — MPCA Air Update</b>	<b>Session 12 — Waste Management</b>
<b>Moderator</b>	Chris Meehan - Wenck	Ashley Hammerbeck - WSB	Adam Driscoll - Barr	Roger Clarke - Xcel Energy
<b>3:00pm to 3:30pm</b>	<b>Predicting Water Quality Changes Using Satellite Remote Sensing Observations of Watershed Conditions</b> Josh Weiss, Hazen and Sawyer	<b>Northfield, MN Biosolids - Six Pounds in a Five Pound Bag</b> Seth Peterson, Bolton & Menk	<b>Air Quality Regulations: The year in review</b> Fawkes Steinwand, Hassan Bouchareb, and Anne Jackson, MPCA	<b>What's Your Endgame? Next Steps for Developing a Successful Organics Program</b> Margaret Zuckweiler, GHD, Inc.
<b>3:30pm to 4:00pm</b>	<b>Comprehensive Biological Water Quality Assessment of Stormwater Reuse Systems</b> Tamara Walsky, U of M	<b>Water Hammer – Fundamentals, Protection Equipment, and Modeling</b> Chris Harrington, HR Green, Inc		<b>Innovative Landfill Leachate Treatment</b> Jake Nelson and Greg Ackerson, Apex
<b>4:00pm to 4:30pm</b>	<b>Rooting Out Pollution Along the Green Line: Five Years of Green Infrastructure Operation and Maintenance</b> Mark Doneux, Capitol Region Watershed District	<b>Microbial Ecology of Activated Sludge System to Inform System Operation and Design</b> Alison Ling, Barr Engineering	<b>MPCA Perspective on Air Permit Amendment Applications</b> Toni Volkmeier, MPCA	<b>Do you smell something? A Case Study of how one landfill overcame their struggle with odor</b> Stephanie Stolz, GHD, Inc.