



Wisconsin Wastewater Operators' Association

55th Annual Conference

North Hall Room A:
Purple

North Hall Room B:
Green

Technical Program Schedule

North Hall Room C:
Orange

North Hall Room D:
Blue

WEDNESDAY, OCTOBER 6, 2021

8:30 to 8:45	Welcome Address by Don Lintner, WWOA President			
8:45 to 10:00	Keynote by Glen Daigger, President and Founder of One Water Solutions			
	Session A: Phosphorus – Watershed Work North Hall Room A	Session B: Planning for Tomorrow North Hall Room B		Visit the Exhibit Hall 10 am to 5 pm
Moderator	Jeff Smudde	Nate Tillis		
10:45 to 11:20	Mass Loading Determination in Watersheds Tom Steinbach	Succession Planning – A Round Table Discussion <i>Nate Tillis, Ben Huffman, Mary-Frances Klimek, John Murray, and Cody Schoepke</i>		If not attending either of the two technical sessions, please take this opportunity to visit our exhibitors who are an integral part of our annual conference!
11:25 to 12:00	Brodhead Water Quality Trading: What We Know Now that the Dust has Settled Andrew Skog, P.E.	Succession Planning – A Round Table Discussion <i>Nate Tillis, Ben Huffman, Mary-Frances Klimek, John Murray, and Cody Schoepke</i>		
12:00 to 1:30	Walk Around Lunch in Exhibit Hall			
12:30 to 4:30	Operators Competition in Center of Exhibit Hall			
	Session C: Biosolids	Session D: WWTP Upgrades	Session E: SCADA / PLC North Hall Room C	Session F: Collection System North Hall Room D
Moderator	Cody Schoepke	Don Lintner	Neal Kolb	Jenny Page
1:30 to 2:05	Everything you want to know about Biosolids Drying and the Wisconsin Experience Aric Bergstrom, P.E.	Facility Upgrade Optimizes new and Repurposes Existing Space to Solve Treatment Needs Randy Langer	SCADA Outside the Fence Steve Muther and Debbie Goehner	Capacity Reducing Hydraulic Mishaps & What To Do Amy Post
2:05 to 2:40	Cost Reduction and Operational Improvement Resulting from Implementation of new Dewatering System – Oostburg Ed Fritz, P.E., BCEE	Constructing Your Upgrade – What to Expect Kevin Berg	Utilizing your GIS for Tracking Plant Operations and Maintenance Kyle Engelking and Todd Hanson	Flattening the Curve: A Comprehensive Look at I/I Investigation Ryan Yentz
2:40 to 2:55	Break in the Exhibit Area			
2:55 to 3:30	Defeating the Foam Beast – How one WWTP Tamed an Angry Anaerobic Digester Jeremy Cramer	Fits Like a Glove; Headworks Design Overcomes Limited Space in Existing Building Travis Anderson	Beyond SCADA: Considerations with your current SCADA System – and beyond Joe Finn	Pammel Creek Force main Inspection Jared Greeno and Brian Hein
3:35 to 4:10	Flexible Roadmap for Resilient Biosolids: A Case Study Greg Gunderson, P.E., ENV SP and Kim Meyer	The Nitty Gritty of Headworks Design Sheri Scott, P.E. and Larry Roy	Key Considerations of SCADA Design Lance Teunissen, P.E.	Sanitary Lateral Pipe Bursting Taryn S. Nall, P.E.
4:00 to 5:00	Exhibitors Social Hour in the Exhibit Area			

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Program
Schedule**North Hall Room C:
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Blue**THURSDAY, OCTOBER 7, 2021**

	Session G: Operators in the Lab	Session H: Wastewater Operator Info	Session I: Nutrient Removal	Visit the Exhibit Hall 8:00 to 11:30
Moderator	<i>Rick Mealy</i>	<i>Bernie Robertson</i>	<i>Marc Stephanie</i>	
8:00 to 8:45	It's Not Rocket Science! Helping Operators Understand Lab Testing <i>Rick Mealy and George Bowman</i>	What is an O&M Manual and Why You Need One <i>Tom Crouse</i>	Construction, Commissioning and Start Up of the World's First Advanced Biological Nutrient Recovery (ABNRTM) <i>Autumn Fisher</i>	If not attending either of the two technical sessions, please take this opportunity to visit our exhibitors who are an integral apart of our annual conference!
8:50 to 9:35	It's Not Rocket Science! Helping Operators Understand Lab Testing <i>Rick Mealy and George Bowman</i>	Operator's Health – Boosting Operator's Immune System <i>Greg Paul</i>	Nitrifying Activated Sludge System Improvement <i>Eric Lynne</i>	
9:35 to 10:00	Break in the Exhibit Area			
	Session J: Activated Sludge / Aeration	Session K: Safety	Session L: Problem Solving	Visit the Exhibit Hall 8:00 to 11:30
Moderator	<i>Tom Fitzwilliams</i>	<i>Kevin Freber</i>	<i>Troy Larson</i>	
10:00 to 10:40	A Tale of Two Aeration Upgrades <i>Nathan Cassity</i>	Arc Flash Safety Solution for Water – Wastewater <i>Dave Bloch</i>	Tricks of the Trade <i>Troy Larson, Tom Steinbach, and Sharon Thieszen</i>	If not attending either of the two technical sessions, please take this opportunity to visit our exhibitors who are an integral apart of our annual conference!
10:45 to 11:25	Lessons Learned from Piloting Multiple Low DO Activated Sludge Processes in WI <i>Matt Seib</i>	What is NFPA 820 and How Might It Affect Your Next Facility <i>Joe Berktold, P.E. (NFPA 820 Committee Member)</i>	From RBCs to BNR Act Sludge: 6 Years of Learning <i>Craig Hendrickson and Bill Marten</i>	
11:45	Operator's Luncheon			
12:15	WWOA Business Meeting			
1:15 to 4:00	Plant Tour: La Crosse WWTP			
	Session M: Laboratory	Session N: Phos-Tertiary Filtration	Session O: PFAS	Session P: Compliance
Moderator	<i>Ben Brooks</i>	<i>Aaron Eichhorst</i>	<i>Rusty Schroedel</i>	<i>Steve Geis</i>
1:30 to 2:15	What's the deal with E. coli? <i>Pat Morrow, P.E. and RT Krueger</i>	Brookfield: The Largest of The Low <i>Ryan Holzem</i>	Ecological Risk of PFAS in Receiving Waters <i>Tyler Linton</i>	
2:20 to 3:05	Transitioning from Fecal Coliform Testing to E. coli <i>Brooke Klingbeil</i>	Full Scale Low P Pilot at WI POTW with Ind. WW <i>Troy Larson, Mike Brace, and Travis Anderson</i>	BioLargo AEC: A Practical, Low-Waste Solution for PFAS Water <i>Tonya Chandler and Randall Moore</i>	Septage Compliance & Master Operator Training 12:30 to 4:30 CECs: 4.0 Septage Compliance <i>Fred Hegeman and Rachel Angel</i>
3:15 to 4:00	Laboratory Practices: The Right Formula for Great Solutions <i>Brooke Klingbeil and Brandy Baker-Muhich</i>	Tertiary Effluent Filtration – Results from a Cloth Filter Pilot Test at Cedarburg Water Recycling Center <i>Jonathan R. Butt and Eric Hackert</i>	Thermal processing of sludge for PFAS destruction: Experimentation and real world <i>Sudhakar Viswanathan</i>	
6:00	Social Hour			
7:00	Awards Banquet			
9:00 (approx.)	Post Awards Banquet Entertainment (Bean Bag Toss Tournament for Cash)			
	FRIDAY, OCTOBER 8, 2021			
8:30 to 10:30	Operator's Farewell Breakfast Moderator: Rick Mealy, WWOA President Speaker: Adrian Stocks - WDNR PFAS Update on Statewide Testing			
	Conclusion of Conference			