

## TUESDAY, AUGUST 16TH

9:00 AM - 1:30 PM **Golf Outing**  
Cherry Hill Golf Club (*purchase a foursome at indianawea.org*)

12:00 PM - 6:00 PM **Early Packet Pickup**  
Lobby at Grand Wayne Convention Center

2:00 PM - 6:00 PM **Exhibitor Set Up**  
Grand Wayne Convention Center

6:35 PM **Tin Caps Baseball Game benefiting the Besozzi Scholarship**  
Parkview Field

<b>WEDNESDAY, AUGUST 17TH</b>					
6:30 AM - 5:30 PM	<b>Registration Opens</b> Lobby at Grand Wayne Convention Center				
8:30 AM - 6:30 PM	<b>Exhibit Hall Open</b>				
8:45 AM - 9:45 AM	<b>Keynote Presentation</b> Excellence in Safety and Laboratory Excellence - Awards and all WEF Awards will be presented				
9:45 AM - 10:15 AM	<b>Exhibit Hall Break</b>				
	<b>RESIDUALS &amp; RESOURCE RECOVERY</b> Harrison A + B	<b>PRODUCT TECHNOLOGY</b> Anthony Wayne Ballroom A	<b>O&amp;M</b> Anthony Wayne Ballroom B	<b>LDI</b> Harrison D + E	
10:15 AM - 10:40 AM	Primary Filtration: Design Considerations from Concept to Execution - <b>Steven Gress</b>	Using Digital Technology to Manage Sewer Data - <b>Jeff Weaver</b>	Significant Design and Operational Benefits of Horizontal Submersible Solids-handling Dry-pit Pumps* - <b>Robert Domkowski</b>	Meet & Greet - <b>Randy Wheeler</b>	
10:50 AM - 11:15 AM	Lessons Learned From Biosolids Drying - <b>Travis Maupin</b>	Eliminating the Wet Well with Direct In-Line Pumping - <b>Brad Hitzelberger</b>	Flow Control Gates – Are You Really In Control? - <b>Jim Harvey</b>		
11:25 AM - 11:50 AM	A Solid Case for Solids Management - <b>Dave Rutowski</b>	Biogas upgrading to RNG using Methanis for maximum methane recovery. - <b>John Hughes</b>	How long can bacteria hold its breath? Evansville studies anoxic zone impact on sludge settling and nutrient removal. - <b>Ben Burroughs / Ethan Elleser</b>	Succession Planning - <b>Randy Wheeler</b>	
11:30 AM - 1:30 PM	<b>Zoo Tour (please contact <a href="mailto:jessica@indiana-wea.org">jessica@indiana-wea.org</a> to register)</b>				
11:30 AM - 1:00 PM	<b>Exhibitors Break for Lunch</b>				
11:45 PM - 12:45 PM	<b>Attendees Break for Lunch</b>				
12:00 PM - 1:00 PM	<b>Tumblebug Luncheon - Harrison C (please contact <a href="mailto:Jess.Deak-Sims@jessica@indiana-wea.org">Jess Deak-Sims at jessica@indiana-wea.org</a> to register)</b>				
	<b>RESIDUALS &amp; RESOURCE RECOVERY</b> Harrison A + B	<b>STORMWATER</b> Anthony Wayne Ballroom A	<b>O&amp;M</b> Anthony Wayne Ballroom B	<b>YOUNG PROFESSIONALS</b> Harrison D + E	
12:45 PM - 1:10 PM	City of Carmel Wastewater Treatment Plant – Growing and Innovating Over the Years - <b>Phillip Teague / Dan Miller</b>	Clean Drains Fort Wayne: Be River SmART - <b>Jennifer Lash</b>	Activated Sludge - Then - <b>Robert Holden</b>	Three Keys to Wastewater Treatment at Goshen: Efficiency, Efficiency, Efficiency - <b>Kris Ransberger</b>	
1:20 PM - 1:45 PM	Intensification Processes for WWTP - <b>Kevin Earnest</b>	Climate Change: Planning for the Future - <b>Robert Page</b>	Activated Sludge - Now - <b>Bridget Ingram / Shreya Gupta</b>	Asking the 2nd Level Questions - <b>Teddy Deahl</b>	
1:55 PM - 2:20 PM	High Solids Digestion for Energy Resilience and Revenue - <b>Ian Piro</b>	Cyclone Technology Wastewater Solutions - <b>Joshua Martin</b>	Activated Sludge - Future - <b>Tyler Hammerle</b>	Workshop - Tactical Life Planning - <b>Bruce Cooley</b>	
2:20 PM - 2:50 PM	<b>EXHIBIT HALL BREAK</b>				
	<b>GOVERNMENT AFFAIRS</b> Harrison A + B	<b>STORMWATER</b> Anthony Wayne Ballroom A	<b>ACADEMIA &amp; RESEARCH</b> Anthony Wayne Ballroom B	<b>YOUNG PROFESSIONALS</b> Harrison D + E	<b>APPLICATION Exhibit Hall</b>
3:00 PM - 3:25 PM	FUAA – Could a Focused Use Attainability Analysis Provide Regulatory Certainty to CSO Communities? - <b>Tim Healy / Craig Williams / Brady Dryer</b>	Improved Approach to CSO Storage Tanks - <b>Jordan McCormack</b>	Wastewater-Based Epidemiology – Dung, Diseases, and Drugs - <b>Jesse Knibbs / Madison Asbell</b>	Case Study of Blended Blower Technologies to Optimize Aeration - <b>Paul Petersen</b>	Water for People Documentary
3:35 PM - 4:00 PM	IDEM OWQ Update - <b>Paul Higginbotham</b>	Ozinga Recycle Pits Solve Stormwater Issue and Improve Sustainability - <b>Andrew Robarge / Ryan LaReau</b>	Modeling for Success: Upgrading Lagoon Based Treatment Systems to Meet More Stringent Limits for BOD, TSS, and Nutrient Removal. - <b>Mark Rasor</b>	Finding the Value in Master Planning - <b>Kate Zilno</b>	
4:10 PM - 4:35 PM	Indiana Department of Environmental Management, Drinking Water Branch's Harmful Algal Blooms (HABs) - <b>Mitt Denney</b>	IU Health Transformation – Navigating Eight Utility Relocations Simultaneously - <b>Kaitlyn Currie / Catherine Polioffa / Kevin Canida / Michael Soller / William Shadwick</b>	Superoxygenation as a Method to Prevent Force Main Odor and Corrosion - <b>Garrett Schlets</b>		WEFEC Application Experience - <b>Travis Calhoun</b>
4:45 PM - 5:10 PM	Legislative and Regulatory Update - <b>Scott Miller</b>	Innovation Through Collaboration - <b>Terrance Dull / Eric Steinman</b>	Kishwaukee Biological Improvements – The Importance of Process Flexibility and Operational Optimization - <b>Brent Perz</b>	Locked on Leadership - <b>Dave Rosenberg</b>	
5:00 PM - 5:30 PM	<b>Government Affairs Committee Meeting / Harrison A + B</b>				
5:00 PM - 6:00 PM	<b>Vendor Meet &amp; Greet Reception</b>				
6:00 PM - 7:30 PM	<b>Young Professionals Reception (Hoppy Gnome, had to pre-register)</b>				
7:00 PM - 11:00 PM	<b>Promenade Park - Wessler &amp; Utility Supply Co. &amp; Baker Tilly</b>				

# THURSDAY, AUGUST 18TH

7:00 AM - 5:30 PM	Registration Open			
7:00 - 8:00 AM	Pretreatment Committee Meeting / Harrison C		O&M Committee Meeting / Anthony Wayne Ballroom A	
8:00 AM - 3:10 PM	Exhibit Hall Open			
	O&M Anthony Wayne Ballroom A	PRODUCT TECHNOLOGY Harrison A + B	COLLECTION SYSTEMS Anthony Ballroom B	UTILITY & ASSET MANAGEMENT Harrison D + E
8:00 AM - 8:25 AM	Asset Management and Knowledge Retention - Weathering the Silver Tsunami - <b>Bret Doub</b>	THE INSIDE-OUT AND OUTSIDE-IN FACTS ABOUT CLOTH MEDIA FILTERS FOR SMALL FLOW APPLICATIONS - <b>Joey Herndon</b>	Nebraska Pump Station Modifications and Consolidation Sewer - <b>David Murray</b>	Exploring the statewide rate comparison, trends and affordability - <b>Alex Hilt / Tyler Coffel</b>
8:35 AM - 9:00 AM	An Operator's Guide to Reviewing Construction Drawings - <b>Tina Wolff</b>	Resolve Power Quality / Marginal Generator Sizing with AFE - VFDs - <b>Larry Stanley</b>	Through the Hills and Under the River to LTCP Compliance We Go - Richmond's West Side Interceptor Improvements Project - <b>Brian Wilson / Elijah Welch, P.E.</b>	Keys to conducting a successful market strategy - <b>Jada Kent</b>
	O&M Anthony Wayne Ballroom A	PRODUCT TECHNOLOGY Harrison A + B	COLLECTION SYSTEMS Anthony Ballroom B	UTILITY & ASSET MANAGEMENT Harrison D + E
9:00 AM - 9:25 AM	Exhibit Hall Break			
9:35 AM - 10:00 AM	The Benefits of Fish Monitoring for Development Projects in Indiana - <b>Robert Sliwinski / Sarah Wright</b>	Enhanced Domestic Primary Wastewater Treatment Utilizing Pile Cloth Media Filtration for Operational Savings and Sustainability - <b>John Dyson</b>	Real Solutions: Identifying Sewer Defects with Artificial Intelligence - <b>Brenton Hasenour / Josh Ford</b>	Utility federal funding update and planning strategies - <b>Mitchell Eschweiler</b>
10:10 AM - 10:35 AM	Wastewater Settleability - Why it Won't Settle - <b>Patrick Beamon</b>	How a Microgrid Can Make Water and Wastewater Utilities more Sustainable!! - <b>Jim Shaw / David Berty / Greg Martz</b>	CSO Storage and Solar Field Transform Riverfront in Lafayette - <b>Maithilee Das / Brad Talley / Jared Weber</b>	Owner Procured Equipment - A Tale of Two UV Projects - <b>Richard Claus</b>
10:45 AM - 11:10AM	Utility Implements Technology Innovation to Control I/I and Optimize Capital Spending ROI - A Case Study - <b>Jeff Cunningham</b>	Design Considerations for Disinfecting Wastewater with UV light - <b>John Hughes / Kristian Gerber / Bruce Stevens</b>	Monticello's CSO LTCP Collection Systems Improvements - <b>Brian Desharnais / Joshua Harner, P.E.</b>	The Danish story of creating a self-sufficient energy and carbon neutral water sector by 2030 - <b>Ulrik Folkmann</b>
11:10 AM - 1:00 PM	Luncheon Award Presentation			
	O&M Anthony Wayne Ballroom A	PRETREATMENT Harrison C	COLLECTION SYSTEMS Anthony Ballroom B	UTILITY & ASSET MANAGEMENT / ENGINEERING Harrison D + E
1:10 PM - 1:35 PM	State of Construction Costs - <b>Chad Lampe</b>	Troubleshooting Wastewater Treatment Issues (2 SESSIONS) - part 1 - <b>William Boetcker III</b>	When to Consider Trenchless Technologies for Sewer Installations - <b>Bradford Ewart II / Brian Desharnais</b>	Assessment Today to Prepare for Tomorrow - <b>Michael Borchers</b>
1:45 PM - 2:10 PM	Strategic Planning for Wastewater Utilities - <b>Gregory Pearson</b>	Troubleshooting Wastewater Treatment Issues (2 SESSIONS) - part 2 - <b>William Boetcker III</b>	Bypass Pumping: Minimizing Costs and Headaches - <b>Nicholas Rademacher</b>	Plant Expansion: The Future Is Now - <b>Wes Merkle / Darren Wells</b>
2:10 - 2:50 PM	FINAL EXHIBIT HALL BREAK!			
2:50 PM - 3:15 PM	Airborne Respirable Crystalline Silica Dust Standard - Compliance Challenges - <b>Jerry Fussell</b>	Briefing on EPA's 2021 PFAS Strategic Roadmap - <b>Yan Duan</b>	Sunrise Pump Station - From Then to Now... - <b>Emily Wehmeyer</b>	Ethics in Engineering - <b>Matt Schafer</b>
3:25 PM - 3:50 PM	Qualifications Based Selection for Better Projects, Better Value - <b>Tracy Williams / Chip Hill</b>	Quit on Quats...The Environmental Effects of Quaternary Ammonia Compounds - <b>Carmen Davis</b>	How Wastewater Utilities are Adopting Acoustic Technology to Establish Risk-Based Collection Systems Maintenance - <b>Chris Callahan</b>	
4:00 PM - 4:25 PM	Where Columbus' WWTP Is Headed in the Next Five Years: Beginning with the End in Mind - <b>Amy Smitley / Randy Duckworth</b>	Three P's of PFAS Management: Perspective, Planning, and Piloting - <b>Andrew Dow</b>	Sewer Rehabilitation Provides Measurable I/I Reduction: Case Study in Lawrence, Indiana - <b>John Judge / Scott Salsbery</b>	Engineering Statutes - <b>Matt Schafer</b>
4:35 PM - 5:00 PM	Waterborne Pathogens in Wastewater – Dealing with Old "Frenemies" - <b>Jerry Fussell</b>	Oh No, It is time to apply for our new permit. Now what? - <b>Nara Manor</b>	Melbourne Ave. Wet Weather Project: Unique Approach to Temporary Storage of Wet Weather Flows with Large Diameter Piping - <b>Michael Gangstad / Jackson Wiseley</b>	
5:00 PM - 6:30 PM	President's Reception/ Committee Rodeo			

## FRIDAY, AUGUST 19TH

7:00 AM - 2:00 PM			
Registration Desk Open			
	LABORATORY & COLLECTIONS <i>Harrison C</i>	O&M <i>Harrison D + E</i>	WASTEWATER ENGINEERING <i>Harrison A + B</i>
8:00 - 8:25 AM	Chloride Analysis - Tara Washington	Diving Back into Energy Savings: GSD Aeration System Improvements – A Case Study - Rhonda Anderson / Arun Mande	Nutrient Removal Considerations during Facility Planning - Archana Raju
8:35 - 9:00 AM	Jar Testing with Purpose - Matthew Elder	Charged Bubble Flotation for Solids Removal and Thickening - Jeff Knollenberg	Getty Down to Nitty Gritty - Kristin Comer / Harry Lawson
9:10 AM - 9:35 AM	Winning the War Against Wipes - Chris Downey	Pandemonium – Leveraging Procurement, Relationships and Flexibility to Produce a Successful Project During a Pandemic - Amanda Streicher	Construction: When Concrete is part of the Treatment Machine for the Evansville Water and Sewer Facility - David Wichman / Andrea Brel
9:45 AM - 10:10 AM	BOD5...minutes: Real Time Biological Activity Monitoring for Optimizing Aerobic and Anaerobic Treatment Processes - Jon Grant	Selecting Your Team for Alternative Project Delivery: Design-Build Case Study on two Wastewater Treatment Plant Expansions - Jim Shields	Selecting the Correct Blower Technology for Your Application - Paul Peterson
10:20 AM - 10:45 AM	Coagulant/Polymer 101: Fundamentals of Sedimentation and Dewatering - Yong Kim	Basics & Best Practices of Enhanced Bio-P Removal. What You Can and Cannot Control - Nick Barczewski	Damming Solution for the 33rd Street Water Intake: The White River Rock Ramp Project - Amanda White / Joseph Teusch / Ryan Taylor
10:55 AM - 11:20 AM	Laboratory Committee Meeting	40 Year Improvements - Katherine Merkle	SIZING MIXERS FOR RAPID MIXING AND FLOCCULATION: FLOW, SHEAR AND G - Richard Grenville
11:30 AM - 11:55 AM		SCADA For Dummies - Gary Ruston	The Future of Climate Regulation - Maithilee Das
12:05 PM - 12:30 PM			Improved BNR Performance Through Selective Sludge Wasting - inDENSE - Daniel Dair

# WASTEWATER 101 EXAM PREP COURSE

Wednesday, AUGUST 17

8:00-9:55	Class – 3.5 credits
10:05-11:40	
11:40-1:00	Exhibit Break and Lunch
1:00-2:35	Class – 1.5 credits
2:35-3:15	Break
3:15-4:50	Class – 1.5 credits

Thursday, AUGUST 18

8:00-9:55	Class – 3.5 credits
10:05-11:40	
11:40-1:00	Exhibit Break and Lunch
1:00-2:35	Class – 1.5 credits
2:35-3:15	Break
3:15-4:50	Class – 1.5 credits