

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

THURSDAY, AUGUST 18TH

7:00 AM - 5:30 PM	Registration Open			
7:00 - 8:00 AM	Pretreatment Committee Meeting / Harrison C		Residuals & Resource Recovery Committee Meeting / Jefferson B	
8:00 AM - 3:10 PM	Exhibit Hall Open			
	O&M <i>Anthony Wayne Ballroom A</i>	PRODUCT TECHNOLOGY <i>Harrison A + B</i>	COLLECTION SYSTEMS <i>Anthony Ballroom B</i>	UTILITY & ASSET MANAGEMENT <i>Harrison D + E</i>
8:00 AM - 8:25 AM	Asset Management and Knowledge Retention - Weathering the Silver Tsunami - Bret Doub	THE INSIDE-OUT AND OUTSIDE-IN FACTS ABOUT CLOTH MEDIA FILTERS FOR SMALL FLOW APPLICATIONS - Joey Herndon	Nebraska Pump Station Modifications and Consolidation Sewer - David Murray	Exploring the statewide rate comparison, trends and affordability - Alex Hill / Tyler Coffel
8:35 AM - 9:00 AM	An Operator's Guide to Reviewing Construction Drawings - Tina Wolff	Resolve Power Quality / Marginal Generator Sizing with AFE - VFDs - Larry Stanley	Through the Hills and Under the River to LTCP Compliance We Go - Richmond's West Side Interceptor Improvements Project - Brian Wilson / Elijah Welch, P.E.	Keys to conducting a successful market strategy - Jada Kent
	O&M <i>Anthony Wayne Ballroom A</i>	PRODUCT TECHNOLOGY <i>Harrison A + B</i>	COLLECTION SYSTEMS <i>Anthony Ballroom B</i>	UTILITY & ASSET MANAGEMENT <i>Harrison D + E</i>
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 - Robert Sliwinski / Sarah Wright	Enhanced Domestic Primary Wastewater Treatment Utilizing Pile Cloth Media Filtration for Operational Savings and Sustainability - John Dyson	Real Solutions: Identifying Sewer Defects with Artificial Intelligence - Brenton Hasenour / Josh Ford	Utility federal funding update and planning strategies - Mitchell Eschweiler
10:10 AM - 10:35 AM	Wastewater Settleability - Why it Won't Settle - Patrick Beamon	How a Microgrid Can Make Water and Wastewater Utilities more Sustainable!! - Jim Shaw / David Berty / Greg Martz	CSO Storage and Solar Field Transform Riverfront in Lafayette - Natalie Gustafson / Brad Talley / Jared Weber	Owner Procured Equipment - A Tale of Two UV Projects - Richard Claus
10:45 AM - 11:10AM	Utility Implements Technology Innovation to Control I/I and Optimize Capital Spending ROI - A Case Study - Jeff Cunningham	Design Considerations for Disinfecting Wastewater with UV light - John Hughes	Monticello's CSO LTCP Collection Systems Improvements - Brian Desharnais / Joshua Harner, P.E.	The Danish story of creating a self-sufficient energy and carbon neutral water sector by 2030 - Ulrik Folkmann
11:10 AM - 1:00 PM	Luncheon Award Presentation			
	O&M <i>Anthony Wayne Ballroom A</i>	PRETREATMENT <i>Harrison C</i>	COLLECTION SYSTEMS <i>Anthony Ballroom B</i>	UTILITY & ASSET MANAGEMENT / ENGINEERING <i>Harrison D + E</i>
1:10 PM - 1:35 PM	State of Construction Costs - Chad Lampe	Troubleshooting Wastewater Treatment Issues (2 SESSIONS) - part 1 - William Boetcker III	When to Consider Trenchless Technologies for Sewer Installations - Bradford Ewart II / Brian Desharnais	Assessment Today to Prepare for Tomorrow - Michael Borchers
1:45 PM - 2:10 PM	Strategic Planning for Wastewater Utilities - Gregory Pearson	Troubleshooting Wastewater Treatment Issues (2 SESSIONS) - part 2 - William Boetcker III	Bypass Pumping: Minimizing Costs and Headaches - David Wichman / Nicholas Rademacher / Andrea Brell	Plant Expansion: The Future Is Now - Wes Merkle / Darren Wells
2:10 - 2:50 PM	FINAL EXHIBIT HALL BREAK!			
2:50 PM - 3:15 PM	Airborne Respirable Crystalline Silica Dust Standard - Compliance Challenges - Jerry Fussell	Briefing on EPA's 2021 PFAS Strategic Roadmap - Yan Duan	Sunrise Pump Station - From Then to Now... - Emily Wehmeyer	Ethics in Engineering - Matt Schafer
3:25 PM - 3:50 PM	Qualifications Based Selection for Better Projects, Better Value - Colleen Torres / Tracy Williams	Quit on Quats...The Environmental Effects of Quaternary Ammonia Compounds - Carmen Davis	How Wastewater Utilities are Adopting Acoustic Technology to Establish Risk-Based Collection Systems Maintenance - Chris Callahan	
4:00 PM - 4:25 PM	Where Columbus' WWTP Is Headed in the Next Five Years: Beginning with the End in Mind - Amy Smitley / Randy Duckworth	Three P's of PFAS Management: Perspective, Planning, and Piloting - Andrew Dow	Sewer Rehabilitation Provides Measurable I/I Reduction: Case Study in Lawrence, Indiana - John Judge / Karen Saavedra	Engineering Statutes - Matt Schafer
4:35 PM - 5:00 PM	Waterborne Pathogens in Wastewater - Dealing with Old "Frenemies" - Jerry Fussell	Oh No, It is time to apply for our new permit. Now what? - Nara Manor	Melbourne Ave. Wet Weather Project: Unique Approach to Temporary Storage of Wet Weather Flows with Large Diameter Piping - Michael Gangstad / Jackson Wiseley	
5:00 PM - 6:30 PM	Awards Reception/ 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 - David Wichman / Andrea Brett / 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 Brett
9:45 AM - 10:10 AM	BOD5...minutes: Real Time Biological Activity Monitoring for Optimizing Aerobic and Anaerobic Treatment Processes - Alex Webb	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		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
12:40 PM - 1:10 PM	Annual Conference Committee Debrief & Lunch		