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|                    |   |   |   |  |
|--------------------|---|---|---|--|
| 6:30 AM - 5:30 PM  | Registration Desk Open  |   |   |  |
| 8:30 AM - 6:30 PM  | Exhibit Hall Open   | Grand Ballroom  |   |  |
| 8:00 - 8:45 AM     | Opening Keynote Presentation  | Hoosier Jobs & Community Growth: Preparing for the Future   | Chris McBarnes, Mayor of Frankfort - Capitol 1-3  |  |
|                    | <b>UTILITY MANAGEMENT<br/>CONGRESS</b>  | <b>STORMWATER<br/>CAPITOL 1</b>   | <b>O&amp;M<br/>CAPITOL 2/3</b>  | <b>PRODUCT TECHNOLOGIES<br/>COUNCIL</b>  |
| 9:30 - 9:55 AM     | <b>The City of Ft Wayne’s Asset Management Experience and Results</b><br>Ben Groeneweg, City of Fort Wayne                  | <b>MS4 101-An Overview of the Municipal Stormwater Quality Program &amp; Permit Compliance</b><br>Rob Huckaby, STANTEC  | <b>Making Old and New Equipment Work Together - The Challenge is Real</b><br>Nara Manor, Anderson Water Pollution Control Utility  | <b>A Demonstration of a Cellular Managed SCADA System with Tank and Well Applications, Lift Station Monitoring, and Manhole Monitoring</b><br>Matt Mancuso, Mission Communications  |
| 10:05 - 10:30 AM   | <b>Making it Rain: Reducing Sewer Overflows and Saving \$100M</b><br>Becky Schaefer and Emily Damian, Citizens Energy Group | <b>A 2nd Generation Solution for Stormwater Management: New Technologies to Implement Low Impact Development and Green Infrastructure</b><br>Jim Blazek, D2 Land & Water Resource  | <b>Operated...Not Engineered</b><br>Tina Wolff, Kokosing Industrial    | <b>Advantages of Radar Technology</b><br>Justin Mamula, VEGA Americas   |
| 10:40 - 11:05 AM   | <b>Tips on Getting Higher Water and Wastewater Rates Approved</b><br>Scott Dompke, GRW                                      | <b>Good Housekeeping &amp; Pollution Prevention for Municipal Operations – Why Inspect?</b><br>Richard DeWitt, City of Franklin / Indiana MS4 Partnership                          | <b>Life in the Trenches: Lubrication Strategies for Success</b><br>David Wrightsman and Nathan Wilson, Energy Systems Group        |  |
| 11:15 - 11:40 AM   | <b>Do Your Utility Customers Know What They Are Paying For?</b><br>Deen Rogers, Umbaugh                                     | <b>Merrillville Stormwater Utility - Post-Construction Management and Enforcement</b><br>Matthew Lake, Merrillville Stormwater Utility   | <b>Real World Considerations for Pump Design, Operation and Troubleshooting</b><br>Steve Truitt, Penn Valley Pump                  |  |
| 11:20 AM - 1:00 PM | Exhibitors Break for Lunch<br>Grand Ballroom  |   |   |  |
| 11:40 AM - 1:00 PM | Attendees Break for Lunch<br>Grand Ballroom   |   |   |  |
| 12:00 - 1:00 PM    | Tumblebug Lunch<br>House  |   |   |  |







# TUESDAY, AUGUST 22

|                |  |  |   |   |
|----------------|--|--|---|---|
| 1:00 - 5:00 PM | SPECIAL PRETREATMENT SESSION //  | Linko Presents: A Digital Toolbelt for the 21st Century //   | Limited seating and not approved for continuing education //  | Cabinet   |
|                | <b>STORMWATER<br/>CAPITOL 1</b>  | <b>GOVERNMENT AFFAIRS &amp; SPECIAL YP SESSION<br/>CONGRESS</b>  | <b>O&amp;M<br/>CAPITOL 2/3</b>  | <b>PRODUCT TECHNOLOGIES<br/>COUNCIL</b>   |
| 1:00 - 1:25 PM | <b>Get off the (Silt) Fence: the Advantages of Rolled Filtration</b> Joe Moore, Siltworm    | <b>Drugged Waters</b><br>Richard Radcliff, Beam, Longest & Neff   | <b>I.T. in Wastewater; Not Just Computers and Printers</b> Ryan Paschal, City of Anderson Water Pollution Control   | <b>Transient Pressure Monitoring through Proof of Design</b><br>Steve Mungari, Blacoh Surge Control                |
| 1:35 - 2:00 PM | <b>MS4 Emergency Response: The Dos, The Don'ts or Should Have Actions</b> Lynn Partridge, Environmental Remediation Services (ERS)  | <b>Planning Considerations for Future Total Nitrogen Removal</b><br>Steven Gress, Donohue & Associates  | <b>Ultraviolet Disinfection - Expanding its Use in Indiana</b> Kelly Lockerbie, Greeley and Hansen                         |   |
| 2:10 - 2:35 PM | <b>Challenging the Perceptions and Misperceptions of Green Infrastructure</b> John Hazlett and Jim Rinehart, Williams Creek         | <b>IDEM Update</b><br>Paul Higginbotham, IDEM  | <b>Grit Removal in WWTPs – Options and Solutions</b> Viraj deSilva, American Structurepoint                                |   |
| 2:35 - 3:15 PM | <b>Exhibit Hall Break</b>  |  |   |   |
| 3:15 - 3:40 PM | <b>Nitrogen and Phosphorus Removal in Bioretention Systems</b><br>Jessica Eichhorst, HNTB Corporation                               | <b>CALLING ALL YPs!</b><br><b>WEF Resources for the Young Professional</b><br>Jenny Hartfelder, MWH  | <b>Understanding Confined Space Construction vs General Industry Requirements</b> Daniel McCoy, Daniel McCoy & Associates  | <b>Using Radar for Key Level Measurement Applications</b><br>Justin Mamula and Greg Tischler, VEGA Americas, Inc.  |
| 3:50 - 4:15 PM | <b>Harmful Algal Blooms: Not Just a Problem for Drinking Water Utilities</b> Carrie Turner, LimnoTech                               | <b>Digging Deep - Building a Collaborative Approach to Funding the DigIndy Program through SRF</b> Jessica Bastin, Citizens Energy Group and Camille Meiners, State of Indiana             | <b>CMOM - A Rock Opera</b><br>Richard Radcliff, Beam, Longest & Neff   |   |
| 4:25 - 4:50 PM | <b>Throwing Shade on Indy: Planting Trees for Stormwater and Community Health</b><br>Emily Damian and Olivia Hawbaker, Citizens Energy Group   | <b>WEF Update</b><br>Claudio Teirnedon, Water Environment Federation   | <b>Best Practices for Mixing in Biological Nutrient Removal Selector Basins</b><br>Jim Fischer, Flygt - a Xylem brand     |   |
| 4:50 - 5:45 PM | <b>Government Affairs Committee Meeting</b>  | <b>Caucus</b>  |   |   |
| 3:45 - 4:45 PM | <b>Young Professionals Committee Meeting</b>   | <b>Loughmiller's Pub</b>   |   |   |
| 4:45 - 5:45 PM | <b>O&amp;M Committee Meeting</b>   | <b>Senate 2/3</b>  |   |   |
| 4:45 - 5:45 PM | <b>Young Professionals Reception</b>   | <b>Loughmiller's Pub</b>   |   |   |
| 5:45 - 6:45 PM | <b>Meet &amp; Greet Reception</b>  | <b>Grand Ballroom</b>  |   |   |

# WEDNESDAY, AUGUST 23

|                   |  |  |  |  |   |
|-------------------|--|--|--|--|---|
| 7:00 AM - 3:10 PM | Exhibit Hall Open  |  | Grand Ballroom   |  |   |
| 7:00 AM - 5:30 PM | Registration Desk Open   |  |  |  |   |
| 7:00 - 8:00 AM    | Pretreatment Committee Meeting   |  | Caucus   |  |   |
| 7:00 - 8:00 AM    | Residuals Committee Meeting  |  | Cameral  |  |   |
|                   | <b>RESIDUALS<br/>CAPITOL 1</b>   | <b>INDUSTRIAL<br/>CONGRESS</b>   | <b>COLLECTIONS<br/>CAPITOL 2/3</b>   | <b>ACADEMIA/RESEARCH<br/>CABINET</b>   | <b>PRODUCT TECHNOLOGIES<br/>COUNCIL</b>   |
| 8:00 - 8:25 AM    | <b>Land Application of Pollutant-Bearing Water</b><br>Brenda Stephanoff, IDEM   | <b>Part 1 Industrial Bio-Augmentation</b><br>Pat Beamon, Archaea Solutions              | <b>Help! My Lift Station and Force Main Aren't Working</b> Paul Elling, Donohue & Associates    | <b>Technical Study on Improving Polymer Efficiency for Sludge Treatment – Two Case Studies</b> Yong Kim, UGSI Solutions                                 |   |
| 8:35 - 9:00 AM    | <b>Water, Energy &amp; Natural Resources Sustainability From Water Reclamation Facilities</b> Richard Radcliff, Beam, Longest & Neff  |  | <b>Decrypting Diversions: Eliminating Drop Shafts with Preferential Offloading</b> Stephen Rowe, CHA and Jeremy Kosegi, Citizens Energy Group   | <b>A Successful Story to Meet Stringent Nitrogen Limits: From Pilot to Full-Scale Operation in 3 Months</b> Peter Peng, Suez                            | <b>Flygt SmartRun - Intelligent Control</b><br>Steve Novak and Lucas Gibon, Xylem Water Solutions USA  |
| 9:10 - 9:35 AM    | <b>Stepping towards Net Zero</b><br>John Clark, City of Fort Wayne Utilities    | <b>Part 2 Industrial Bio-Augmentation</b><br>Pat Beamon, Archaea Solutions              | <b>Creative Solutions Capture Cost Saving throughout the CSO LTCP Implementation</b> Kristin Comer, Greeley and Hansen and Anthony Goodnight, City of Huntington                                  | <b>Sustainability Advancements in Ultra-Low Phosphorous and Nitrogen Limit Tertiary Filtration</b> Robert Perry and Brian Frewerd, Parkson Corporation  |   |
| 9:35 - 10:20 AM   | Exhibit Hall Break   |  |  |  |   |
| 10:20 - 10:45 AM  | <b>Inert Solids: The Wallflowers of the Wastewater World</b><br>Robert Holden, Wessler Engineering                                    | <b>Potable and Industrial Water Treatment</b><br>Jim Collins, Brenntag Mid-South, Inc  | <b>Alternative Sewer Rehabilitation Methods: Expanding the Toolbox</b> Shari Foster, Citizens Energy Group and Tim Healy, Greeley and Hansen    | <b>Innovative Simplification: The R&amp;D and Case Study of a Unique Treatment Process</b> Tim Canter, New Limits Wastewater Technology                 | <b>The ABCs of VFDs</b><br>Larry Stanley and Aaron West, ABB    |
| 10:55 - 11:20 AM  | <b>Is it Time to Change Your Digestion Process?</b> Joseph Teusch, Greeley and Hansen    |  | <b>The Overflow in Monroe: A Case Study in Wet Weather Flow Management</b> Joseph Bartos & Ryan Brauen, Wessler Engineering    | <b>Watershed Scale Management of Water Resources: Finding Answers in Large Heterogeneous Data Sets</b><br>Larry Neis, Purdue University  |   |
| 11:30 - 11:55 AM  | <b>A Tale of Three Dewatering Units for Lawrenceburg</b><br>Gary Wesselschmidt, Huber Technology                                    | <b>Out in the Field Experiences</b><br>Jim Collins, Brenntag Mid-South                | <b>Guaranteed Savings Contract Method Meets Aggressive Schedule on Large CSO Relief Interceptor - West Lafayette</b> David Henderson, City of West Lafayette and Steve Nutt, Bowen Engineering  |  |   |

# WEDNESDAY, AUGUST 23

|                 |   |  |  |  |
|-----------------|---|--|--|--|
| 12:00 - 1:15 PM | Luncheon Presentation (Ticketed Event)  | What's Going on at WEF: Jenny Hartfelder, WEF President Elect  |  |  |
|                 | <b>O&amp;M NEW TECHNOLOGIES</b><br><i>CAPITOL 1</i>   | <b>PRETREATMENT</b><br><i>CONGRESS</i>   | <b>COLLECTIONS</b><br><i>CAPITOL 2/3</i>   | <b>PRODUCT TECHNOLOGIES</b><br><i>COUNCIL</i>  |
| 1:15 - 1:40 PM  | <b>Aerobic Granular Sludge an Innovative Wastewater Treatment Solution</b><br>Sophia Bainbridge, Aqua-Aerobic Systems                          | <b>Reducing Surprises: Forecasting Future Local Limits with Real-Time MRO Data</b> Bryce Gast, Donohue & Associates and Larry Keil, City of Goshen  | <b>That's a Sewer Project?!</b><br>Andrew Scales, CHA Consulting   | <b>Introduction to Actuator Types</b><br>Duane Hazen, Rotork  |
| 1:50 - 2:15 PM  | <b>Case Studies Using Rare Earth Technology to Achieve Low Level Phosphorus Limits</b><br>Pam Cornish, Neo Chemicals & Oxides                  | <b>Zero Discharge Permits &amp; Quarterly Non-Compliance Reports</b> Natalie Maupin, IDEM   | <b>Maximizing Pumping Capacity Using Screw Centrifugal Pumps</b> Jason Lee, Arcadis & Marcus Lahotay, City of Fairborn  |  |
| 2:15 - 3:10 PM  | <b>LAST EXHIBIT HALL BREAK</b>  |  |  |  |
| 3:10 - 3:35 PM  | <b>Air Scrubbing of Sulfides: The "Green" Solution</b> Stewart North and John Hampton, Source Technologies                                     | <b>Industrial User Sampling and ID of Pollutant Sources</b><br>Chuck Durham, Tetra Tech   | <b>Large Diameter Sewer Assessment: When to Take It to the Next Level</b> <br>Firat Sever, American Structurepoint      |  |
| 3:45 - 4:10 PM  | <b>Pulsed Aeration to Reduce Energy Consumption and Meet BNR Limits</b><br>Dennis Barnes, Xylem and John Barlow, Muncie Sanitary District      |  | <b>Simple Measurement of Actual Lift Station Pumping Rate</b> <br>Roger Ward Sr., Roger Ward Engineering                |  |
| 4:20 - 4:45 PM  | <b>Get the Floc Out: Full-Scale Biological Ballast Assisted Expansion at Mt. Pleasant, TN. WWTP</b><br>Jared Alder, Evoqua Water Technologies  |  | <b>Wastewater Created by Breweries, Wineries, &amp; Distilleries</b><br>Tamara Roberts, City of Bloomington             |  |
| 4:45 - 5:45 PM  | Collection Systems Committee Meeting  | Caucus   |  |  |
| 4:30 - 5:30 PM  | Board & Committee Reception   | House  |  |  |
| 7:00 - 9:00 PM  | Young Professionals Baseball for Besozzi  | Victory Field  |  |  |

**CONTINUING EDUCATION** Drinking Water: All general      Engineering: All sessions approved      Wastewater: Sessions marked with a drop are technical, all others general

# THURSDAY, AUGUST 24

|                   |  |  |  |
|-------------------|--|--|--|
| 7:00 AM - 2:30 PM | Registration Desk Open   |  |  |
|                   | <b>LABORATORY</b><br><i>GRAND 3</i>  | <b>DAY AT THE TREATMENT PLANT</b><br><i>GRAND 1</i>  | <b>ENGINEERING</b><br><i>GRAND 2</i>   |
| 8:00-8:25 AM      | <b>IWEA Laboratory Excellence Award, Part IV: General Laboratory Requirements</b><br>Tara Washington, City of Carmel  | <b>Pilot Testing Case Studies to Meet New Phosphorus Limits</b><br>Katherine Merkle, Donohue & Associates   | <b>Ethics in Engineering</b><br>David Vornehm, Drewry Simmons Vornehm                                      |
| 8:35-9:00 AM      | <b>Changes in Determining Method Detection Limits</b> John Rigdon, Element Materials Technology                       | <b>Energy Savings and Process Optimization Through Advanced Controls</b> Steven Kestel, BioChem Technology    |  |
| 9:10-9:35 AM      |  | <b>Testing and Design of Cloth-Media Disk Filters for CSO Treatment</b> Steven Gress, Donohue & Associates    | <b>Growing Indiana's Future Engineers through Citizens PERL Program</b><br>Joe Nagy, Citizens Energy Group |
| 9:35-10:00 AM     | Break  |  |  |
| 10:00-10:25 AM    | <b>Basics of pH</b><br>Eric Link, LabtronX    | <b>A Filter for All Seasons, Especially the Rainy One</b><br>Joseph Teusch, Greeley and Hansen    | <b>Indiana Laws and Statutes</b><br>David Vornehm, Drewry Simmons Vornehm                                  |
| 10:35-11:00 AM    | <b>Process Control Samples: Not Just Busy Work for the Lab 1.2</b><br>Chuck Jones, Bureau of Water Quality/MSD        | <b>WWTP Expansion Treatment Overhaul: Southport AWT Plant</b><br>Kathleen Ziino, HNTB Corporation and Daphne Chiu, Citizens Energy Group                |  |
| 11:10-11:35 AM    | <b>Importance of Preventive Maintenance: pH, Temperature, Balances</b><br>Dale Rudkin, DR Lab Services                | <b>Chemically Enhanced High Rate Clarification for Phosphorus Removal: A Long Term Solution</b><br>Lenin Kasthuri and Mike Gangstad, Lochmueller Group  |  |
| 11:45 AM-1:30 PM  | IWEA Awards Luncheon <b>Grand Ballroom 4/5</b>   |  |  |

**CONTINUING EDUCATION** Drinking Water: All general      Engineering: All sessions approved      Wastewater: Sessions marked with a drop are technical, all others general