| Full Name | Session Name | Session Check-In Date (GMT- Check- 05:00) Eastern [US & Canada] Easter | • | Duration (Hours:Minutes) | WW Technical | WW General | DW General | Engineering PC |
|------------|---|---|---------------|-----------------------------|--------------|------------|------------|----------------|
| Adams, Ben | Credits Requested | : PDHs | Tota | l Credits Earned | 4.5 | 2.0 | 6.5 | 6.5 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:57 | 8/13/24 11:10 | 0:12 | 0.0 | | 0.0 | 0.0 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:07 | 8/13/24 11:47 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:28 | 8/13/24 13:59 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures | | 8/13/24 15:25 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:51 | 8/13/24 16:25 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:51 | 8/14/24 8:21 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:26 | 8/14/24 9:00 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspection: | | 8/14/24 10:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:02 | 8/14/24 10:35 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:31 | 8/14/24 11:02 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:24 | 8/14/24 14:00 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:02 | 8/14/24 14:30 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:15 | 8/14/24 15:55 | 0:40 | | 0.5 | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:51 | 8/14/24 16:26 | 0:34 | 0.5 | | 0.5 | 0.5 |

| | Credits Requested: | | Total C | redits Earned | 2.0 | 2.0 | 4.0 | 4.0 |
|----------------------|---|---------------|---------------|---------------|-----|-----|------|------|
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:52 | 8/13/24 11:10 | 0:17 | 0.0 | | 0.0 | 0.0 |
| | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks | 8/13/24 13:31 | 8/13/24 13:57 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | 8/13/24 14:01 | 8/13/24 14:28 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 14:57 | 8/13/24 15:26 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Forecasting Urban Water Escherichia coli Contamination Using Machine Learning Models | 8/13/24 16:26 | 8/13/24 17:00 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | Out In The Field Not In A Book | 8/14/24 8:00 | 8/14/24 8:56 | 0:55 | 1.0 | | 1.0 | 1.0 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:26 | 8/14/24 14:00 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:17 | 8/14/24 15:55 | 0:38 | 0.5 | | 0.5 | 0.5 |
| dams, Odise | Credits Requested: PDHs | | Total C | redits Earned | 1.5 | 4.0 | 5.5 | 5.5 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:05 | 0:54 | | 1.0 | 1.0 | 1.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:36 | 8/13/24 11:10 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:48 | 8/13/24 15:25 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:58 | 8/13/24 16:25 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:38 | 8/14/24 11:05 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Ethics in Engineering | 8/14/24 13:32 | 8/14/24 14:30 | 0:58 | | 1.0 | 1.0 | 1.0 |
| | Indiana Law and Statutes | 8/14/24 15:25 | 8/14/24 16:21 | 0:55 | | 1.0 | 1.0 | 1.0 |
| | Leading Change | 8/14/24 16:31 | 8/14/24 16:58 | 0:27 | | 0.5 | 0.5 | 0.5 |
| DU SARKODIE, KWABENA | Credits Requested: Wastev | vater | Total C | redits Earned | 8.5 | 3.5 | 12.0 | 12.0 |

| Credits Requested: | | Total C | redits Earned | 0.5 | 2.0 | 2.5 | 2.5 |
|---|---------------|---------------|---------------|-----|-----|-----|-----|
| UPDATED - Emergency Replacement of a Blower During a Planning Project at the Wyoming Clean Water Plant | 8/15/24 11:20 | 8/15/24 11:57 | 0:36 | 0.5 | | 0.5 | 0.5 |
| Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:54 | 8/15/24 11:25 | 0:30 | | 0.5 | 0.5 | 0.5 |
| Sustained 60 MGD? Sure, why not! | 8/15/24 10:12 | 8/15/24 10:45 | 0:32 | 0.5 | | 0.5 | 0.5 |
| Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:38 | 8/15/24 10:15 | 0:36 | 0.5 | | 0.5 | 0.5 |
| Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:36 | 8/15/24 9:37 | 1:01 | 1.0 | | 1.0 | 1.0 |
| Ultra-Low Phosphorus Limits | 8/15/24 7:52 | 8/15/24 8:30 | 0:37 | 0.5 | | 0.5 | 0.5 |
| Enhancing the absorption capacity of GAC to remove PFAS from water | 8/14/24 16:25 | 8/14/24 16:55 | 0:30 | 0.5 | | 0.5 | 0.5 |
| Indiana Law and Statutes | 8/14/24 15:21 | 8/14/24 16:21 | 1:00 | | 1.0 | 1.0 | 1.0 |
| Ethics in Engineering | 8/14/24 13:17 | 8/14/24 14:30 | 1:13 | | 1.0 | 1.0 | 1.0 |
| Using your data and SCADA for maintenance and savings | 8/14/24 10:03 | 8/14/24 10:58 | 0:54 | | 1.0 | 1.0 | 1.0 |
| WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:25 | 8/14/24 10:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Benefits of Big Bubble Mixing | 8/14/24 8:27 | 8/14/24 9:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| Energy Efficient Retrofits of Oxidation ditches | 8/14/24 8:00 | 8/14/24 8:25 | 0:24 | 0.5 | | 0.5 | 0.5 |
| Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:53 | 8/13/24 16:55 | 1:01 | 1.0 | | 1.0 | 1.0 |
| Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:49 | 8/13/24 15:25 | 0:36 | 0.5 | | 0.5 | 0.5 |
| Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:00 | 8/13/24 14:25 | 0:25 | 0.5 | | 0.5 | 0.5 |
| Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:15 | 8/13/24 13:54 | 0:39 | 0.5 | | 0.5 | 0.5 |
| Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:16 | 8/13/24 11:40 | 1:24 | 1.0 | | 1.0 | 1.0 |

| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:03 | 0:53 | | 1.0 | 1.0 | 1.0 |
|----------------|---|---------------|---------------|---------------|------|-----|------|------|
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:40 | 8/13/24 11:10 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:28 | 8/13/24 13:59 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:03 | 8/13/24 14:32 | 0:29 | | 0.5 | 0.5 | 0.5 |
| Akers, Kennith | | | | | 44.5 | 4 = | 10.0 | 40.0 |
| | Credits Requested: Wastew | | | redits Earned | 11.5 | 1.5 | 13.0 | 13.0 |
| | Welcome & Keynote Address | 8/13/24 7:50 | 8/13/24 9:00 | 1:09 | | 1.0 | 1.0 | 1.0 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:31 | 8/13/24 11:40 | 1:09 | 1.0 | | 1.0 | 1.0 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:16 | 8/13/24 13:54 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:00 | 8/13/24 14:25 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:49 | 8/13/24 15:25 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:52 | 8/13/24 16:55 | 1:02 | 1.0 | | 1.0 | 1.0 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:52 | 8/14/24 8:21 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:25 | 8/14/24 9:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:27 | 8/14/24 10:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:03 | 8/14/24 10:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:27 | 8/14/24 11:05 | 0:38 | 0.5 | | 0.5 | 0.5 |

| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:23 | 8/14/24 14:00 | 0:37 | 0.5 | | 0.5 | 0.5 |
|-------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:02 | 8/14/24 14:30 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:13 | 8/14/24 15:55 | 0:42 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:51 | 8/14/24 16:26 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:27 | 8/14/24 16:55 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Ultra-Low Phosphorus Limits | 8/15/24 7:51 | 8/15/24 8:30 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:32 | 8/15/24 9:37 | 1:05 | 1.0 | | 1.0 | 1.0 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:43 | 8/15/24 10:15 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:19 | 8/15/24 10:45 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:57 | 8/15/24 11:25 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | UPDATED - Emergency Replacement of a Blower During a Planning Project at the Wyoming Clean Water Plant | 8/15/24 11:23 | 8/15/24 11:57 | 0:34 | 0.5 | | 0.5 | 0.5 |
| Akles, Tony | Cua dita Da susanta da | | T-4-16 | | 0 F | 2.5 | 4.0 | 4.0 |
| | Credits Requested: | | Iotai C | redits Earned | 0.5 | 3.5 | 4.0 | 4.0 |
| | Rate inequity: are your residents subsidizing the growth in your community? | 8/14/24 9:37 | 8/14/24 10:30 | 0:52 | | 1.0 | 1.0 | 1.0 |
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:30 | 8/14/24 11:02 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | Water and Wastewater Workforce Development – Is your community ready for the challenge? | 8/14/24 13:25 | 8/14/24 14:30 | 1:05 | | 1.0 | 1.0 | 1.0 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:16 | 8/14/24 15:55 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | Getting the Next Generation Excited about Wastewater | 8/14/24 15:57 | 8/14/24 16:25 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | | | | | | | | |

| | Wastewater Challenge Demonstration | 8/14/24 16:29 | 8/14/24 16:55 | 0:25 | | 0.5 | 0.5 | 0.5 |
|-------------------|---|---------------|---------------|----------------|-----|-----|-----|-----|
| Alberson, Branden | Credits Requested: Waste | vater | Total C | Credits Earned | 5.0 | 1.5 | 6.5 | 6.5 |
| | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks | 8/13/24 13:23 | 8/13/24 13:51 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 14:00 | 8/13/24 14:25 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:53 | 8/13/24 15:25 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:50 | 8/13/24 16:25 | 0:35 | | 0.5 | 0.5 | 0.5 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:51 | 8/14/24 8:21 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:26 | 8/14/24 9:00 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:24 | 8/14/24 10:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:04 | 8/14/24 10:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:27 | 8/14/24 11:05 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:24 | 8/14/24 14:00 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:03 | 8/14/24 14:30 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:10 | 8/14/24 15:55 | 0:44 | | 0.5 | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:51 | 8/14/24 16:26 | 0:34 | 0.5 | | 0.5 | 0.5 |
| Albin, Steven | Credits Requested: Waste | vater | Total C | Credits Earned | 6.0 | 1.5 | 7.5 | 7.5 |

| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:36 | 8/13/24 11:40 | 1:04 | 1.0 | | 1.0 | 1.0 |
|----------------|---|---------------|---------------|---------------|-----|-----|------|------|
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:23 | 8/13/24 13:54 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:00 | 8/13/24 14:25 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:56 | 8/13/24 16:55 | 0:58 | 1.0 | | 1.0 | 1.0 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:27 | 8/14/24 9:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:25 | 8/14/24 10:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:04 | 8/14/24 10:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:33 | 8/14/24 11:05 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Wastewater Challenge Demonstration | 8/14/24 16:29 | 8/14/24 16:55 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Electrical Safety for Wastewater Operators and Maintenance Personnel | 8/15/24 7:56 | 8/15/24 8:30 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | Emergency Preparedness and Procedures | 8/15/24 8:33 | 8/15/24 9:10 | 0:37 | | 0.5 | 0.5 | 0.5 |
| | Basics of pH | 8/15/24 9:44 | 8/15/24 10:15 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:16 | 8/15/24 10:45 | 0:28 | 0.5 | | 0.5 | 0.5 |
| kander, Andrea | | | | 1 | 0.5 | 4.0 | 12.5 | 12.5 |
| | Credits Requested: Waste | | | redits Earned | 8.5 | 4.0 | 12.5 | 12.5 |
| | Welcome & Keynote Address | 8/13/24 8:03 | 8/13/24 9:00 | 0:56 | | 1.0 | 1.0 | 1.0 |
| | Operator Certification Update | 8/13/24 10:31 | 8/13/24 11:07 | 0:36 | | 0.5 | 0.5 | 0.5 |
| | Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap | 8/13/24 11:08 | 8/13/24 11:42 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:21 | 8/13/24 13:55 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | · · · · · · · · · · · · · · · · · · · | | | | | | | |

| Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 13:59 | 8/13/24 14:25 | 0:25 | 0.5 | | 0.5 | 0.5 |
|---|---------------|---------------|------|-----|-----|-----|-----|
| Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:54 | 8/13/24 15:25 | 0:30 | 0.5 | | 0.5 | 0.5 |
| IDEM Update | 8/13/24 15:56 | 8/13/24 16:25 | 0:29 | | 0.5 | 0.5 | 0.5 |
| The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:31 | 8/13/24 16:58 | 0:26 | | 0.5 | 0.5 | 0.5 |
| Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:59 | 8/14/24 8:25 | 0:25 | 0.5 | | 0.5 | 0.5 |
| Hydraulic Modeling - What is it good for? | 8/14/24 8:25 | 8/14/24 9:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:29 | 8/14/24 10:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| North Interceptor Sewer - Danville, IN | 8/14/24 10:03 | 8/14/24 10:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:30 | 8/14/24 11:05 | 0:35 | 0.5 | | 0.5 | 0.5 |
| 21ST Century FOG Management | 8/14/24 13:31 | 8/14/24 13:58 | 0:26 | 0.5 | | 0.5 | 0.5 |
| IU Permits and Applying the Combined Wastestream Formula | 8/14/24 14:05 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| Enforcement Response Plan, Violations, and Significant Non- Compliance | 8/14/24 15:23 | 8/14/24 16:13 | 0:50 | 1.0 | | 1.0 | 1.0 |
| Transforming Compliance Using Collaborative Technology | 8/14/24 16:21 | 8/14/24 16:57 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Tips for Labs that you may not know | 8/15/24 8:00 | 8/15/24 8:30 | 0:30 | 0.5 | | 0.5 | 0.5 |
| Emergency Preparedness and Procedures | 8/15/24 8:34 | 8/15/24 9:10 | 0:36 | | 0.5 | 0.5 | 0.5 |
| Basics of pH | 8/15/24 9:44 | 8/15/24 10:15 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Sustained 60 MGD? Sure, why not! | 8/15/24 10:17 | 8/15/24 10:45 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | |

| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:54 | 8/15/24 11:25 | 0:30 | | 0.5 | 0.5 | 0.5 |
|---------------|---|-----------------|---------------|----------------|-----|-----|-----|-----|
| | It's Raining N! The Future of Total Nitrogen Limits | 8/15/24 11:29 | 8/15/24 11:55 | 0:25 | 0.5 | | 0.5 | 0.5 |
| llred, Justin | Credits Requested: | | Total C | Credits Earned | 3.0 | 0.0 | 3.0 | 3.0 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:31 | 8/14/24 10:00 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:03 | 8/14/24 10:35 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:26 | 8/14/24 11:05 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:24 | 8/14/24 14:00 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:01 | 8/14/24 14:30 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:14 | 8/14/24 15:55 | 0:41 | 0.5 | | 0.5 | 0.5 |
| lmeter, Clara | Cradita Paguastada DDUa | | Total C | redits Earned | 0.5 | 3.5 | 4.0 | 4.0 |
| | Credits Requested: PDHs Workforce Development | | | | 0.5 | | | |
| | Roundtable | 8/13/24 9:10 | 8/13/24 10:03 | 0:53 | | 1.0 | 1.0 | 1.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:41 | 8/13/24 11:10 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks | 8/13/24 13:25 | 8/13/24 13:51 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | 8/13/24 14:00 | 8/13/24 14:28 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 15:01 | 8/13/24 15:27 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 15:57 | 8/13/24 16:29 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | JIVI Dagica | 0/ 13/ E+ 13.37 | 0/15/24 10:25 | 0.32 | | 0.0 | 0.5 | 0.5 |

| ALSTON, TIM | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:30 | 8/13/24 16:55 | 0:25 | | 0.5 | 0.5 | 0.5 |
|----------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| ALSTON, TIIVI | Credits Requested: Waster | vater | Total C | redits Earned | 5.0 | 3.5 | 8.5 | 8.5 |
| | Welcome & Keynote Address | 8/13/24 7:51 | 8/13/24 9:00 | 1:08 | | 1.0 | 1.0 | 1.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:40 | 8/13/24 11:10 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:05 | 8/13/24 11:47 | 0:41 | 0.5 | | 0.5 | 0.5 |
| | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks | 8/13/24 13:31 | 8/13/24 13:57 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:00 | 8/13/24 14:25 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:49 | 8/13/24 15:25 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:30 | 8/14/24 11:05 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | 50 Years Later and SND Still Works | 8/14/24 13:33 | 8/14/24 14:00 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:05 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:16 | 8/14/24 15:55 | 0:38 | | 0.5 | 0.5 | 0.5 |
| | Wastewater Challenge Demonstration | 8/14/24 16:30 | 8/14/24 16:55 | 0:24 | | 0.5 | 0.5 | 0.5 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:27 | 8/15/24 9:37 | 1:10 | 1.0 | | 1.0 | 1.0 |
| | City of Kalamazoo's Holistic Approach to Selecting New Process Technologies | 8/15/24 9:46 | 8/15/24 10:50 | 1:04 | | 1.0 | 1.0 | 1.0 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:20 | 8/15/24 10:45 | 0:25 | 0.5 | | 0.5 | 0.5 |
| nderson, Jabez | Credits Requested: PDHs | | Total C | redits Earned | 3.0 | 2.0 | 5.0 | 5.0 |

| Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 8:05 | 8/14/24 8:25 | 0:19 | 0.5 | | 0.5 | 0.5 |
|--|--|--|--|---|---|---|---|
| Hydraulic Modeling - What is it good for? | 8/14/24 8:27 | 8/14/24 9:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| Using AI, GIS & Digital Twins to | 8/14/24 9:33 | 8/14/24 10:00 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | 8/14/24 10:04 | 8/14/24 10:55 | 0:50 | 1.0 | | 1.0 | 1.0 |
| | | | | | 1.0 | | 1.0 |
| | | | 1:03 | | 1.0 | 1.0 | 1.0 |
| Enhancing the absorption capacity of GAC to remove PFAS from water | 8/14/24 16:30 | 8/14/24 16:56 | 0:25 | 0.5 | | 0.5 | 0.5 |
| Credits Requested: PDHs | | Total C | redits Earned | 4.0 | 5.0 | 9.0 | 9.0 |
| Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:03 | 0:53 | | 1.0 | 1.0 | 1.0 |
| Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:31 | 8/13/24 11:10 | 0:38 | 0.5 | | 0.5 | 0.5 |
| In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:09 | 8/13/24 11:47 | 0:37 | 0.5 | | 0.5 | 0.5 |
| Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:27 | 8/13/24 13:59 | 0:31 | | 0.5 | 0.5 | 0.5 |
| Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:03 | 8/13/24 14:32 | 0:29 | | 0.5 | 0.5 | 0.5 |
| Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures | 8/13/24 14:53 | 8/13/24 15:25 | 0:32 | 0.5 | | 0.5 | 0.5 |
| IDEM Update | 8/13/24 15:52 | 8/13/24 16:25 | 0:33 | | 0.5 | 0.5 | 0.5 |
| The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:31 | 8/13/24 16:56 | 0:25 | | 0.5 | 0.5 | 0.5 |
| Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:58 | 8/14/24 8:25 | 0:26 | 0.5 | | 0.5 | 0.5 |
| Hydraulic Modeling - What is it good for? | 8/14/24 8:25 | 8/14/24 9:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Challenges of Rehabilitating a 90-inch Sewer Hydraulic Modeling - What is it good for? Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections Challenges In The Field Ethics in Engineering Indiana Law and Statutes Enhancing the absorption capacity of GAC to remove PFAS from water Credits Requested: PDHs Workforce Development Roundtable Conversion of an underutilized combined sewer to a storm sewer In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis Regional Stormwater Detention Basins – Treating urban runoff outside your project Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures IDEM Update The Need to Understand and Manage Water Availability within Basins in Indiana Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer Hydraulic Modeling - What is it | Challenges of Rehabilitating a 90-inch Sewer Hydraulic Modeling - What is it good for? Using Al, GIS & Digital Twins to Drive Smarter Sewer Inspections Challenges In The Field Ethics in Engineering Indiana Law and Statutes Credits Requested: PDHs Workforce Development Roundtable Conversion of an underutilized combined sewer to a storm Stormwater and Traffic Flowing Safely in Indianapolis, Indiana Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis Regional Stormwater Detention Basins — Treating urban runoff outside your project Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures IDEM Update S/13/24 16:31 Within Basins in Indiana Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer Hydraulic Modeling - What is it 8/14/24 8:25 | Challenges of Rehabilitating a S/14/24 8:05 S/14/24 8:25 S/0-inch Sewer Hydraulic Modeling - What is it S/14/24 8:27 S/14/24 8:27 S/14/24 9:00 S/14/24 10:00 S/14/24 10:00 S/14/24 10:00 S/14/24 10:00 S/14/24 10:00 S/14/24 10:00 S/14/24 10:05 S/14/24 10:04 S/14/24 10:05 S/14/24 10:01 S/14/24 10:03 S/14/24 10: | Chailenges of Rehabilitating a S/14/24 8:05 S/14/24 8:25 O:19 | Challenges of Rehabilitating a 8/14/24 8:05 8/14/24 8:25 0:19 0.5 | Challenges of Rehabilitating a 8/14/24 8:05 8/14/24 8:25 0.19 0.5 | Challenges of Rehabilitating a 8/14/24 8:05 8/14/24 8:25 0.19 0.5 0.5 |

| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:27 | 8/14/24 10:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
|----------------|---|---------------|---------------|----------------|-----|-----|-----|-----|
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:01 | 8/14/24 10:35 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:27 | 8/14/24 11:05 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Ethics in Engineering | 8/14/24 13:21 | 8/14/24 14:30 | 1:09 | | 1.0 | 1.0 | 1.0 |
| | Indiana Law and Statutes | 8/14/24 15:13 | 8/14/24 16:21 | 1:08 | | 1.0 | 1.0 | 1.0 |
| Anema, Noah | Credits Requested: | | Total C | Credits Earned | 1.5 | 1.5 | 3.0 | 3.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:37 | 8/13/24 11:10 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks | 8/13/24 13:29 | 8/13/24 13:55 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:02 | 8/13/24 14:32 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 14:59 | 8/13/24 15:26 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | The Danish story of using low- hanging-fruit to reduce energy, carbon, and resourcesgy and carbon | 8/13/24 15:56 | 8/13/24 16:55 | 0:59 | 1.0 | | 1.0 | 1.0 |
| Arbuckle, John | | | | | | | | |
| | Credits Requested: PDHs | | Total C | Credits Earned | 4.5 | 4.0 | 8.5 | 8.5 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:03 | 0:53 | | 1.0 | 1.0 | 1.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:35 | 8/13/24 11:10 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:09 | 8/13/24 11:47 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:26 | 8/13/24 13:59 | 0:32 | | 0.5 | 0.5 | 0.5 |

| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:03 | 8/13/24 14:32 | 0:29 | | 0.5 | 0.5 | 0.5 |
|----------------|---|---------------|---------------|----------------|-----|----------|-----|-----|
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 15:00 | 8/13/24 15:25 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | The Danish story of using low- hanging-fruit to reduce energy, carbon, and resourcesgy and carbon | 8/13/24 15:58 | 8/13/24 16:55 | 0:57 | 1.0 | | 1.0 | 1.0 |
| | Rate inequity: are your residents subsidizing the growth in your community? | 8/14/24 9:30 | 8/14/24 10:30 | 0:59 | | 1.0 | 1.0 | 1.0 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:35 | 8/14/24 11:05 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Ethics in Engineering | 8/14/24 13:24 | 8/14/24 14:30 | 1:06 | | 1.0 | 1.0 | 1.0 |
| | Enforcement Response Plan, Violations, and Significant Non- Compliance | 8/14/24 15:19 | 8/14/24 16:13 | 0:54 | 1.0 | | 1.0 | 1.0 |
| | Transforming Compliance Using Collaborative Technology | 8/14/24 16:23 | 8/14/24 16:57 | 0:33 | 0.5 | | 0.5 | 0.5 |
| Armacost, Mary | | | = | | 0.5 | | 0.5 | 0.5 |
| | Credits Requested: | | Total C | Credits Earned | 0.5 | 0.0 | 0.5 | 0.5 |
| | Water Treatment Regulatory Terms & Definitions | 8/14/24 9:24 | 8/14/24 9:58 | 0:34 | 0.5 | | 0.5 | 0.5 |
| Ashack, Len | Credits Requested: Waster | vater | Total C | redits Earned | 5.5 | 0.5 | 6.0 | 6.0 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:29 | 8/13/24 11:40 | 1:11 | 1.0 | | 1.0 | 1.0 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:16 | 8/13/24 13:55 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:00 | 8/13/24 14:25 | 0:24 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:50 | 8/13/24 16:25 | 0:35 | | 0.5 | 0.5 | 0.5 |
| | Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:53 | 8/14/24 8:25 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:27 | 8/14/24 9:00 | 0:32 | 0.5 | <u> </u> | 0.5 | 0.5 |
| | | | | | | | | |

| North Interceptor Sewer - Danville, IN Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer Water and Wastewater Workforce Development – Is your community ready for the challenge? A Gen Z Perspective on the Wastewater Industry Leading Change Getting the Next Generation Excited about Wastewater | 8/14/24 10:02 8/14/24 10:27 8/14/24 13:25 8/14/24 15:29 8/14/24 16:28 8/14/24 15:57 | 8/14/24 10:35 8/14/24 11:05 8/14/24 14:30 8/14/24 15:55 8/14/24 16:58 8/14/24 16:25 | 0:33 0:38 1:05 0:25 0:30 0:28 | 0.5 | 1.0 0.5 0.5 0.5 | 0.5 0.5 1.0 0.5 0.5 0.5 | 0.5 0.5 1.0 0.5 0.5 0.5 |
|---|--|--|--|---|--|--|--|
| North Interceptor Sewer - Danville, IN Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- DId Sewer Water and Wastewater Workforce Development – Is your community ready for the challenge? A Gen Z Perspective on the Wastewater Industry Leading Change | 8/14/24 10:27 8/14/24 13:25 8/14/24 15:29 8/14/24 16:28 | 8/14/24 11:05 8/14/24 14:30 8/14/24 15:55 8/14/24 16:58 | 0:38 1:05 0:25 0:30 | | 0.5 0.5 | 0.5 1.0 0.5 0.5 | 0.5 1.0 0.5 0.5 |
| North Interceptor Sewer - Danville, IN Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer Water and Wastewater Workforce Development – Is your community ready for the challenge? A Gen Z Perspective on the Wastewater Industry | 8/14/24 10:27 8/14/24 13:25 8/14/24 15:29 | 8/14/24 11:05 8/14/24 14:30 8/14/24 15:55 | 0:38 1:05 0:25 | | 0.5 | 0.5 1.0 0.5 | 1.0 |
| North Interceptor Sewer - Danville, IN Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer Water and Wastewater Workforce Development – Is your community ready for the challenge? | 8/14/24 10:27 8/14/24 13:25 | 8/14/24 11:05 8/14/24 14:30 | 0:38 | | | 1.0 | 1.0 |
| North Interceptor Sewer - Danville, IN Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- | | | | | | | |
| North Interceptor Sewer - | 8/14/24 10:02 | 8/14/24 10:35 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | |
| Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:26 | 8/14/24 10:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| Benefits of Big Bubble Mixing | 8/14/24 8:30 | 8/14/24 9:00 | 0:29 | 0.5 | | 0.5 | 0.5 |
| Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:53 | 8/14/24 8:25 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Credits Requested: Drinki | ng Water | Total C | redits Earned | 2.5 | 2.5 | 5.0 | 5.0 |
| Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:01 | 8/14/24 14:30 | 0:29 | 0.5 | | 0.5 | 0.5 |
| 21ST Century FOG Management | 8/14/24 13:54 | 8/14/24 13:58 | 0:03 | 0.0 | | 0.0 | 0.0 |
| Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:23 | 8/14/24 14:00 | 0:37 | 0.5 | | 0.5 | 0.5 |
| Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:26 | 8/14/24 11:05 | 0:39 | 0.5 | | 0.5 | 0.5 |
| Danvinc, IIV | 8/14/24 10:02 | 8/14/24 10:35 | 0:33 | 0.5 | | 0.5 | 0.5 |
| North Interceptor Sewer - | | | | | | | |
| + | Danville, IN Howard Roosa Sewer – The Final Outcome of this Non- | Oanville, IN Howard Roosa Sewer – The Final Outcome of this Non- | North Interceptor Sewer - 8/14/24 10:02 8/14/24 10:35 Howard Roosa Sewer – The Final Outcome of this Non- | North Interceptor Sewer - 8/14/24 10:02 8/14/24 10:35 0:33 Howard Roosa Sewer - The Final Outcome of this Non- | North Interceptor Sewer - 8/14/24 10:02 8/14/24 10:35 0:33 0.5 Danville, IN 8/14/24 10:02 8/14/24 10:35 0:33 0.5 Danville, IN 8/14/24 10:02 8/14/24 10:35 0:30 0.5 Danville, IN 8/14/24 10:30 0:30 0.5 Danville, IN 8/14/24 10:30 0:30 0.5 Danville, IN 8/14/24 10:30 0:30 0.5 Danville, I | Oanville, IN O/14/24 10.02 O/14/24 10.03 0.5 0.5 O.5 O.5 O.5 O.5 O.5 O.5 O.5 O.5 O.5 O | North Interceptor Sewer - 8/14/24 10:02 8/14/24 10:35 0:33 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 |

| Welcome & Keynote Address | 8/13/24 7:56 | 8/13/24 9:00 | 1:03 | | 1.0 | 1.0 | 1.0 |
|---|---------------|---------------|------|-----|-----|-----|-----|
| Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:03 | 0:53 | | 1.0 | 1.0 | 1.0 |
| Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:31 | 8/13/24 11:40 | 1:08 | 1.0 | | 1.0 | 1.0 |
| Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:29 | 8/13/24 14:00 | 0:30 | | 0.5 | 0.5 | 0.5 |
| Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:02 | 8/13/24 14:32 | 0:30 | | 0.5 | 0.5 | 0.5 |
| Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures | 8/13/24 15:00 | 8/13/24 15:25 | 0:25 | 0.5 | | 0.5 | 0.5 |
| Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 16:00 | 8/13/24 16:55 | 0:54 | 1.0 | | 1.0 | 1.0 |
| Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 8:02 | 8/14/24 8:30 | 0:27 | 0.5 | | 0.5 | 0.5 |
| Hydraulic Modeling - What is it good for? | 8/14/24 8:25 | 8/14/24 9:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Rate inequity: are your residents subsidizing the growth in your community? | 8/14/24 9:33 | 8/14/24 10:30 | 0:56 | | 1.0 | 1.0 | 1.0 |
| Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:34 | 8/14/24 11:05 | 0:30 | 0.5 | | 0.5 | 0.5 |
| Ethics in Engineering | 8/14/24 13:26 | 8/14/24 14:30 | 1:03 | | 1.0 | 1.0 | 1.0 |
| Indiana Law and Statutes | 8/14/24 15:11 | 8/14/24 16:21 | 1:09 | | 1.0 | 1.0 | 1.0 |
| Wastewater Challenge Demonstration | 8/14/24 16:30 | 8/14/24 16:55 | 0:24 | | 0.5 | 0.5 | 0.5 |
| Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility | 8/15/24 8:02 | 8/15/24 8:30 | 0:28 | | 0.5 | 0.5 | 0.5 |
| Emergency Preparedness and Procedures | 8/15/24 8:36 | 8/15/24 9:10 | 0:33 | | 0.5 | 0.5 | 0.5 |
| Primary Clarifier Sludge and Scum | 8/15/24 9:07 | 8/15/24 9:40 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | |

| | | | | | | | | _ |
|-----------------|---|---------------|---------------|-----------------|-----|-----|-----|-----|
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:38 | 8/15/24 10:15 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:11 | 8/15/24 10:45 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:55 | 8/15/24 11:25 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens - Sustainable Solutions for Grit Management At WWTPs | 8/15/24 11:20 | 8/15/24 11:55 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Badawi, Ahmad | Cuadita Banuastada BRU | | Tatal C | andite Femeral | 1.5 | 1.5 | 2.0 | 2.0 |
| | Credits Requested: PDHs | | Iotai C | redits Earned | 1.5 | 1.5 | 3.0 | 3.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:38 | 8/13/24 11:10 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:08 | 8/13/24 11:47 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:26 | 8/13/24 14:00 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:03 | 8/13/24 14:32 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures | 8/13/24 14:58 | 8/13/24 15:25 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:52 | 8/13/24 16:25 | 0:32 | | 0.5 | 0.5 | 0.5 |
| Baggett, Nathan | Credite Personated, PRU | | Tatal C | un dita Fausa d | 5.0 | 2.5 | 0 г | 0 Г |
| | Credits Requested: PDHs | | Iotai C | redits Earned | 5.0 | 3.5 | 8.5 | 8.5 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:40 | 8/13/24 11:10 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:07 | 8/13/24 11:47 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks | 8/13/24 13:25 | 8/13/24 13:55 | 0:30 | | 0.5 | 0.5 | 0.5 |

| Regional Stormwater Detention 8/13/24 14:04 8/13/24 14:32 0:27 Basins – Treating urban runoff | | | |
|---|-----|-----|-----|
| outside your project | 0.5 | 0.5 | 0.5 |
| Maximizing the Effectiveness of Your Public Education, Outreach 8/13/24 15:00 8/13/24 15:25 0:25 0.5 and Participation Minimum Control Measures | | 0.5 | 0.5 |
| IDEM Update 8/13/24 15:56 8/13/24 16:25 0:29 | 0.5 | 0.5 | 0.5 |
| Mastering the Art of Master 8/14/24 7:57 8/14/24 9:00 1:03 1.0 Planning | | 1.0 | 1.0 |
| Rate inequity: are your residents subsidizing the growth in your 8/14/24 9:32 8/14/24 10:30 0:57 community? | 1.0 | 1.0 | 1.0 |
| Unveiling the Power of Regionalization: A Strategic 8/14/24 10:30 8/14/24 11:02 0:32 Approach for Success | 0.5 | 0.5 | 0.5 |
| Foster Park Relief Sewer – Indian Village CSO 005 8/14/24 13:28 8/14/24 14:00 0:32 0.5 Connection | | 0.5 | 0.5 |
| Critical Crossing: Gravity Sewer under a Ditch, Railroad, and 8/14/24 14:02 8/14/24 14:30 0:28 0.5 State Road in Greendale, Indiana | | 0.5 | 0.5 |
| A Gen Z Perspective on the 8/14/24 15:20 8/14/24 15:55 0:34 Wastewater Industry | 0.5 | 0.5 | 0.5 |
| Use of Pipe Storage System for 8/14/24 15:52 8/14/24 16:26 0:34 0.5 Sustainable CSO Reduction | | 0.5 | 0.5 |
| Minges Brook Pump Station - Ten Gallons of Pump Station in 8/14/24 16:26 8/14/24 16:55 0:28 0.5 a Five Gallon Bucket | | 0.5 | 0.5 |
| Primary Clarifier Sludge and 8/15/24 9:09 8/15/24 9:40 0:31 0.5 Scum | | 0.5 | 0.5 |
| r, Jessica | 5.0 | 8.5 | 8.5 |
| Credits Requested: Total Credits Farned 3.5 | 1.0 | 1.0 | 1.0 |
| Credits Requested: Total Credits Earned 3.5 Welcome & Keynote Address 8/13/24 7:52 8/13/24 9:00 1:07 | | | |
| Credits Requested: Total Credits Earned 3.5 Welcome & Keynote Address 8/13/24 7:52 8/13/24 9:00 1:07 Workforce Development Roundtable 8/13/24 9:10 8/13/24 10:03 0:53 | 1.0 | 1.0 | 1.0 |
| Welcome & Keynote Address 8/13/24 7:52 8/13/24 9:00 1:07 Workforce Development 8/13/24 9:10 8/13/24 10:03 0:53 | 1.0 | 1.0 | 1.0 |
| Welcome & Keynote Address 8/13/24 7:52 8/13/24 9:00 1:07 Workforce Development Roundtable 8/13/24 9:10 8/13/24 10:03 0:53 Biosolids: Fail to Plan; Plan to 8/13/24 10:38 8/13/24 11:40 1:01 1.0 | 1.0 | | |

| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:28 | 8/14/24 10:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
|--------------------|---|---------------|---------------|----------------|-----|-----|-----|-----|
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:08 | 8/14/24 10:59 | 0:50 | | 1.0 | 1.0 | 1.0 |
| | Indiana Law and Statutes | 8/14/24 15:17 | 8/14/24 16:21 | 1:04 | | 1.0 | 1.0 | 1.0 |
| | Wastewater Challenge Demonstration | 8/14/24 16:28 | 8/14/24 16:55 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | Tips for Labs that you may not know | 8/15/24 7:56 | 8/15/24 8:30 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | IWEA WASTEWATER LABORATORY ANALYST CERTIFICATION | 8/15/24 8:33 | 8/15/24 9:00 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Flexing Your Procurement Muscle | 8/15/24 9:08 | 8/15/24 9:37 | 0:28 | 0.5 | | 0.5 | 0.5 |
| Baker, Sarah | | | | | | | | |
| | Credits Requested: | | | redits Earned | 1.5 | 1.0 | 2.5 | 2.5 |
| | Welcome & Keynote Address | 8/13/24 8:09 | 8/13/24 9:00 | 0:50 | | 1.0 | 1.0 | 1.0 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:29 | 8/13/24 13:55 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:31 | 8/14/24 10:00 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:24 | 8/14/24 14:00 | 0:36 | 0.5 | | 0.5 | 0.5 |
| Ballard, Nathaniel | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 0.0 | 1.0 | 1.0 | 1.0 |
| | Getting the Next Generation Excited about Wastewater | 8/14/24 15:57 | 8/14/24 16:25 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Wastewater Challenge Demonstration | 8/14/24 16:28 | 8/14/24 16:55 | 0:27 | | 0.5 | 0.5 | 0.5 |
| Ballinger, Justin | Credits Requested: | | Total C | redits Earned | 0.5 | 0.0 | 0.5 | 0.5 |
| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 14:03 | 8/13/24 14:28 | 0:25 | 0.5 | | 0.5 | 0.5 |
| Barlow, John | Cuadita Danuarta da Marte | | Tetal C | andia Founci | 4.0 | 1.0 | 5.0 | 5.0 |
| | Credits Requested: Wastev | | | Credits Earned | 4.0 | 1.0 | | |
| | Operator Certification Update | 8/13/24 10:34 | 8/13/24 11:07 | 0:32 | | 0.5 | 0.5 | 0.5 |

| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:12 | 8/13/24 11:47 | 0:34 | 0.5 | | 0.5 | 0.5 |
|------------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:22 | 8/13/24 13:55 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:00 | 8/13/24 14:25 | 0:24 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:56 | 8/13/24 16:26 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:56 | 8/14/24 8:25 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:30 | 8/14/24 9:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:34 | 8/14/24 10:00 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | 50 Years Later and SND Still Works | 8/14/24 13:25 | 8/14/24 14:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:03 | 8/14/24 14:35 | 0:32 | 0.5 | | 0.5 | 0.5 |
| arrett, Dann | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 1.0 | 2.0 | 3.0 | 3.0 |
| | Welcome & Keynote Address | 8/13/24 8:03 | 8/13/24 9:00 | 0:56 | | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:03 | 0:53 | | 1.0 | 1.0 | 1.0 |
| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:36 | 8/13/24 11:40 | 1:03 | 1.0 | | 1.0 | 1.0 |
| asting, Jennifer | | | | | | | _ | |
| | Credits Requested: | | Total C | redits Earned | 0.5 | 0.0 | 0.5 | 0.5 |
| | Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures | 8/13/24 14:54 | 8/13/24 15:25 | 0:30 | 0.5 | | 0.5 | 0.5 |
| Beard, Michael | | | = | | 4.5 | 0.0 | 4.5 | 4.5 |
| | Credits Requested: Wastev | vater | Total C | redits Earned | 4.5 | 0.0 | 4.5 | 4.5 |
| | Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:58 | 8/14/24 8:25 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:28 | 8/14/24 10:00 | 0:31 | 0.5 | | 0.5 | 0.5 |

| Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:39 | 8/14/24 11:05 | 0:26 | 0.5 | | 0.5 | 0.5 |
|---|---|---|--|---|---|--|---|
| Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:27 | 8/14/24 14:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:03 | 8/14/24 14:30 | 0:27 | 0.5 | | 0.5 | 0.5 |
| Adaptive mixing and process optimization with energy savings | 8/14/24 15:17 | 8/14/24 15:50 | 0:33 | 0.5 | | 0.5 | 0.5 |
| Ultra-Low Phosphorus Limits | 8/15/24 7:57 | 8/15/24 8:30 | 0:32 | 0.5 | | 0.5 | 0.5 |
| Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:35 | 8/15/24 9:37 | 1:02 | 1.0 | | 1.0 | 1.0 |
| Cuadita Passusatada | | T-1-10 | uadita Farrasi | 1 F | 0 5 | ΕΛ | 5.0 |
| | | | | | 0.5 | | |
| | | | | | | | 1.0 |
| Benefits of Big Bubble Mixing | 8/14/24 8:31 | 8/14/24 9:00 | 0:29 | 0.5 | | 0.5 | 0.5 |
| Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:33 | 8/14/24 10:00 | 0:26 | 0.5 | | 0.5 | 0.5 |
| Challenges In The Field | 8/14/24 10:03 | 8/14/24 10:55 | 0:51 | 1.0 | | 1.0 | 1.0 |
| 50 Years Later and SND Still Works | 8/14/24 13:30 | 8/14/24 14:00 | 0:29 | 0.5 | | 0.5 | 0.5 |
| Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:04 | 8/14/24 14:30 | 0:25 | 0.5 | | 0.5 | 0.5 |
| A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:16 | 8/14/24 15:55 | 0:39 | | 0.5 | 0.5 | 0.5 |
| Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:57 | 8/14/24 16:26 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | | | | 4.5 | | 4 = | 4 = |
| A 11: 5 | | | | 7 6 | 0.0 | 1 5 | 7 E |
| Credits Requested: | | Total C | redits Earned | 1.5 | 0.0 | 1.5 | 1.5 |
| Credits Requested: Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:55 | Total C 8/14/24 8:21 | 0:25 | 0.5 | 0.0 | 0.5 | 0.5 |
| | Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer Foster Park Relief Sewer — Indian Village CSO 005 Connection Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana Adaptive mixing and process optimization with energy savings Ultra-Low Phosphorus Limits Informed Decision-Making for Electrical and Controls Systems Credits Requested: Out In The Field Not In A Book Benefits of Big Bubble Mixing Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections Challenges In The Field 50 Years Later and SND Still Works Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana A Gen Z Perspective on the Wastewater Industry Use of Pipe Storage System for | Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer Foster Park Relief Sewer – Indian Village CSO 005 Connection Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana Adaptive mixing and process optimization with energy savings Ultra-Low Phosphorus Limits Informed Decision-Making for Electrical and Controls Systems Credits Requested: Out In The Field Not In A Book Benefits of Big Bubble Mixing Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections Challenges In The Field So Years Later and SND Still Works Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana A Gen Z Perspective on the Wastewater Industry Use of Pipe Storage System for 8/14/24 15:57 | Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer Foster Park Relief Sewer — Indian Village CSO 005 Connection Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana Adaptive mixing and process optimization with energy savings Ultra-Low Phosphorus Limits Informed Decision-Making for Electrical and Controls Systems Credits Requested: Credits Requested: Credits Requested: Out In The Field Not In A Book Benefits of Big Bubble Mixing Using Al, GIS & Digital Twins to Drive Smarter Sewer Inspections Challenges In The Field Vorks Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana A Gen Z Perspective on the Wastewater Industry Use of Pipe Storage System for 8/14/24 15:57 8/14/24 15:57 8/14/24 15:55 8/14/24 15:57 8/14/24 15:55 8/14/24 15:55 8/14/24 15:57 8/14/24 15:55 | Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer Foster Park Relief Sewer – Indian Village (SO 005 8/14/24 13:27 8/14/24 14:00 0:33 Connection Critical Crossing: Gravity Sewer under a Ditch, Railroad, and 8/14/24 14:03 8/14/24 14:30 0:27 State Road in Greendale, Indiana Adaptive mixing and process optimization with energy 8/14/24 15:17 8/14/24 15:50 0:33 Sulfar Ditch, Railroad, Sewer 8/15/24 7:57 8/15/24 8:30 0:32 Ultra-Low Phosphorus Limits 8/15/24 7:57 8/15/24 8:30 0:32 Informed Decision-Making for 8/15/24 8:35 8/15/24 9:37 1:02 Ecredits Requested: Out in The Field Not in A Book 8/14/24 3:31 8/14/24 8:56 1:05 Benefits of Big Bubble Mixing 8/14/24 8:31 8/14/24 9:00 0:29 Using Al, GiS & Digital Twins to 8/14/24 9:33 8/14/24 10:00 0:26 Drive Smarter Sewer Inspections Challenges in The Field 8/14/24 10:03 8/14/24 10:05 0:51 SO Years Later and SND Still 8/14/24 13:30 8/14/24 14:00 0:29 Works Critical Crossing: Gravity Sewer under a Ditch, Railroad, and 8/14/24 13:06 8/14/24 14:30 0:25 State Road in Greendale, Indiana A Gen Z Perspective on the 8/14/24 15:57 8/14/24 15:55 0:39 Use of Pipe Storage System for 8/14/24 15:57 8/14/24 16:26 0:28 | Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer Foster Park Relief Sewer — Indian Village CSO 005 | Final Outcome of this Non-Traditional, Flexible Approach to Salvaging an Almost 100-Year-Old Sewer | Final Outcome of this Non- Traditional, Flewible Approach to Salvaging an Almost 100-Year- Old Sewer Foster Park Relief Sewer — Indian Village CSO 005 |

| D. Him C | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:14 | 8/14/24 15:55 | 0:41 | 0.5 | | 0.5 | 0.5 |
|-------------------|--|----------------------|---------------|--------------------|-----|-----|------|------|
| Beeching, Spencer | Credits Requested: PDHs | | Total C | Credits Earned | 1.5 | 0.0 | 1.5 | 1.5 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:59 | 8/14/24 8:25 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:24 | 8/14/24 9:00 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Water Treatment Regulatory Terms & Definitions | 8/14/24 9:30 | 8/14/24 9:58 | 0:28 | 0.5 | | 0.5 | 0.5 |
| Beeler, Brian | Credits Requested: | | Total C | Credits Earned | 1.0 | 0.0 | 1.0 | 1.0 |
| | Fail | 8/13/24 10:32 | 8/13/24 11:40 | 1:07 | 1.0 | | 1.0 | 1.0 |
| Behrens, Claus | | ., ., | | Supplies Forms and | | 0.5 | 1.5 | 1.5 |
| | Credits Requested: | | I otal C | Credits Earned | 1.0 | 0.5 | 1.5 | 1.5 |
| | The Danish story of using low- hanging-fruit to reduce energy, carbon, and resourcesgy and carbon | 8/13/24 15:53 | 8/13/24 16:55 | 1:02 | 1.0 | | 1.0 | 1.0 |
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:15 | 8/14/24 15:55 | 0:39 | | 0.5 | 0.5 | 0.5 |
| Beisiegel, Jamin | | | | | | | | |
| | Credits Requested: Drinkin | ng Water, Wastewater | Total C | Credits Earned | 9.0 | 2.0 | 11.0 | 11.0 |
| | Operator Certification Update | 8/13/24 10:30 | 8/13/24 11:07 | 0:36 | | 0.5 | 0.5 | 0.5 |
| | Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap | 8/13/24 11:08 | 8/13/24 11:42 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:17 | 8/13/24 13:55 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:00 | 8/13/24 14:25 | 0:24 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:54 | 8/13/24 15:25 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:56 | 8/13/24 16:26 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Out In The Field Not In A Book | 8/14/24 7:51 | 8/14/24 8:56 | 1:05 | 1.0 | | 1.0 | 1.0 |
| | Water Treatment Regulatory Terms & Definitions | 8/14/24 9:22 | 8/14/24 9:58 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Challenges In The Field | 8/14/24 10:09 | 8/14/24 11:02 | 0:53 | 1.0 | | 1.0 | 1.0 |
| | 50 Years Later and SND Still Works | 8/14/24 13:37 | 8/14/24 14:02 | 0:25 | 0.5 | | 0.5 | 0.5 |

| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:06 | 8/14/24 14:35 | 0:29 | 0.5 | | 0.5 | 0.5 |
|------------------------------|---|-------------------------------|---|--|-----|-----|-------------------|-------------------|
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:21 | 8/14/24 15:55 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:50 | 8/14/24 16:26 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:28 | 8/14/24 16:55 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Tips for Labs that you may not know | 8/15/24 7:55 | 8/15/24 8:30 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:32 | 8/15/24 9:37 | 1:04 | 1.0 | | 1.0 | 1.0 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:39 | 8/15/24 10:15 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:13 | 8/15/24 10:45 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Contrasting Design Considerations: Municipal Vs | 8/15/24 10:53 | 8/15/24 11:25 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | Industrial WWTPs | | | | | | | |
| BENN, BRYAN | Industrial WWTPs | | Total C | rodits Formed | 0.0 | 0.0 | 0.0 | 0.0 |
| BENN, BRYAN | Industrial WWTPs Credits Requested: | | Total C | redits Earned | 0.0 | 0.0 | 0.0 | 0.0 |
| BENN, BRYAN | Industrial WWTPs | 8/14/24 8:21 | Total C 8/14/24 8:25 | redits Earned | 0.0 | 0.0 | 0.0 | 0.0 |
| BENN, BRYAN Berg, Nathaniel | Credits Requested: Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 8:21 | 8/14/24 8:25 | 0:03 | 0.0 | | 0.0 | 0.0 |
| | Credits Requested: Adapt and Overcome: Challenges of Rehabilitating a | 8/14/24 8:21 | 8/14/24 8:25 | | | 0.0 | | |
| | Credits Requested: Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 8:21 8/14/24 15:13 | 8/14/24 8:25 | 0:03 | 0.0 | | 0.0 | 0.0 |
| | Industrial WWTPs Credits Requested: Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer Credits Requested: Enforcement Response Plan, Violations, and Significant Non- Compliance | | 8/14/24 8:25 Total C 8/14/24 16:13 | 0:03 redits Earned 0:59 | 1.0 | 0.0 | 1.0 | 1.0 |
| Berg, Nathaniel | Industrial WWTPs Credits Requested: Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer Credits Requested: Enforcement Response Plan, Violations, and Significant Non- Compliance Credits Requested: | 8/14/24 15:13 | 8/14/24 8:25 Total C 8/14/24 16:13 Total C | 0:03 redits Earned 0:59 | 1.0 | 0.0 | 1.0 1.0 | 1.0 1.0 |
| Berg, Nathaniel | Industrial WWTPs Credits Requested: Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer Credits Requested: Enforcement Response Plan, Violations, and Significant Non- Compliance | | 8/14/24 8:25 Total C 8/14/24 16:13 | 0:03 redits Earned 0:59 | 1.0 | 0.0 | 1.0 | 1.0 |
| Berg, Nathaniel Bertram, Tim | Industrial WWTPs Credits Requested: Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer Credits Requested: Enforcement Response Plan, Violations, and Significant Non- Compliance Credits Requested: | 8/14/24 15:13 | 8/14/24 8:25 Total C 8/14/24 16:13 Total C 8/13/24 9:00 | 0:03 redits Earned 0:59 | 1.0 | 0.0 | 1.0 1.0 | 1.0 1.0 |
| Berg, Nathaniel Bertram, Tim | Industrial WWTPs Credits Requested: Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer Credits Requested: Enforcement Response Plan, Violations, and Significant Non- Compliance Credits Requested: Welcome & Keynote Address | 8/14/24 15:13 | 8/14/24 8:25 Total C 8/14/24 16:13 Total C 8/13/24 9:00 | 0:03 redits Earned 0:59 redits Earned 0:51 | 1.0 | 1.0 | 1.0 1.0 1.0 | 1.0 1.0 1.0 |

| Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:50 | 0/14/24 16:36 | 0.05 | | | | |
|--|---|---|---|--|---|--|---|
| | 2, 2 1, 2 1 20:00 | 8/14/24 16:26 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:28 | 8/14/24 16:55 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | |
| Credits Requested: Wastev | vater | Total C | redits Earned | 7.0 | 1.5 | 8.5 | 8.5 |
| Welcome & Keynote Address | 8/13/24 7:59 | 8/13/24 9:00 | 1:00 | | 1.0 | 1.0 | 1.0 |
| Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:31 | 8/13/24 11:40 | 1:09 | 1.0 | | 1.0 | 1.0 |
| Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:16 | 8/13/24 13:55 | 0:39 | 0.5 | | 0.5 | 0.5 |
| Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:00 | 8/13/24 14:25 | 0:24 | 0.5 | | 0.5 | 0.5 |
| Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:48 | 8/13/24 15:25 | 0:36 | 0.5 | | 0.5 | 0.5 |
| IDEM Update | 8/13/24 15:50 | 8/13/24 16:26 | 0:35 | | 0.5 | 0.5 | 0.5 |
| Out In The Field Not In A Book | 8/14/24 7:52 | 8/14/24 8:56 | 1:04 | 1.0 | | 1.0 | 1.0 |
| Water Treatment Regulatory Terms & Definitions | 8/14/24 9:23 | 8/14/24 9:58 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Challenges In The Field | 8/14/24 10:01 | 8/14/24 10:55 | 0:54 | 1.0 | | 1.0 | 1.0 |
| 21ST Century FOG Management | 8/14/24 13:16 | 8/14/24 13:58 | 0:42 | 0.5 | | 0.5 | 0.5 |
| IU Permits and Applying the Combined Wastestream Formula | 8/14/24 14:04 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| Enforcement Response Plan, Violations, and Significant Non- Compliance | 8/14/24 15:14 | 8/14/24 16:13 | 0:59 | 1.0 | | 1.0 | 1.0 |
| | | | | | | | |
| Credits Requested: Wastev | vater | Total C | redits Earned | 9.5 | 4.5 | 14.0 | 14.0 |
| Welcome & Keynote Address | 8/13/24 7:50 | 8/13/24 9:00 | 1:09 | | 1.0 | 1.0 | 1.0 |
| Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:04 | 0:53 | | 1.0 | 1.0 | 1.0 |
| Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:37 | 8/13/24 11:40 | 1:03 | 1.0 | | 1.0 | 1.0 |
| Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:27 | 8/13/24 13:55 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Ten Gallons of Pump Station in a Five Gallon Bucket Credits Requested: Wastev Welcome & Keynote Address Critical Maintenance Techniques Your Plant may be over looking Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities Optimizing Final Clarifiers — From Concept to Demonstrated Performance Benefits of Partnering to Reduce Inflow and Infiltration IDEM Update Out In The Field Not In A Book Water Treatment Regulatory Terms & Definitions Challenges In The Field 21ST Century FOG Management IU Permits and Applying the Combined Wastestream Formula Enforcement Response Plan, Violations, and Significant Non-Compliance Credits Requested: Wastev Welcome & Keynote Address Workforce Development Roundtable Critical Maintenance Techniques Your Plant may be over looking Peracetic Acid for Wastewater Disinfection & The Benefits to | Ten Gallons of Pump Station in a Five Gallon Bucket Credits Requested: Wastewater Welcome & Keynote Address 8/13/24 10:31 Critical Maintenance Techniques Your Plant may be over looking Peracetic Acid for Wastewater Disinfection & The Benefits to 8/13/24 13:16 Large and Small Utilities Optimizing Final Clarifiers — From Concept to Demonstrated 8/13/24 14:00 Performance Benefits of Partnering to Reduce Inflow and Infiltration IDEM Update 8/13/24 15:50 Out In The Field Not In A Book 8/14/24 7:52 Water Treatment Regulatory 8/14/24 9:23 Terms & Definitions Challenges In The Field 8/14/24 10:01 21ST Century FOG Management IU Permits and Applying the Combined Wastestream 8/14/24 13:16 IU Permits and Applying the Combined Wastestream 8/14/24 15:14 Compliance Credits Requested: Wastewater Welcome & Keynote Address 8/13/24 7:50 Workforce Development 8/13/24 9:10 Critical Maintenance Techniques 7/our Plant may be over looking Peracetic Acid for Wastewater Disinfection & The Benefits to 8/13/24 13:27 | Ten Gallons of Pump Station in a Five Gallon Bucket | Ten Gallons of Pump Station in a Five Gallon Bucket Credits Requested: Wastewater Welcome & Keynote Address 8/13/24 7:59 8/13/24 9:00 1:00 Critical Maintenance Techniques Your Plant may be over looking Peracetic Acid for Wastewater Sinifection & The Benefits to B/13/24 13:16 Solar Banefits of Partnering to Reduce Inflowant of Inflowant Inflitration DEM Update Out In Feield Not in A Book 8/13/24 15:0 8/13/24 16:1 8/13/24 16 | Ten Gallons of Pump Station in a Five Gallon Bucket Total Credits Earned 7.0 | Ten Gallons of Pump Station in 8/14/24 16:28 | Ten Gallons of Pump station in a Five Gallon Bucket Total Credits Requested: Wastewater Total Credits Earned 7.0 1.5 8.5 |

| Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:00 | 8/13/24 14:25 | 0:24 | 0.5 | | 0.5 | 0.5 |
|--|---------------|---------------|------|-----|-----|-----|-----|
| Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:55 | 8/13/24 15:25 | 0:30 | 0.5 | | 0.5 | 0.5 |
| The Danish story of using low- hanging-fruit to reduce energy, carbon, and resourcesgy and carbon | 8/13/24 15:56 | 8/13/24 16:55 | 0:58 | 1.0 | | 1.0 | 1.0 |
| Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:54 | 8/14/24 8:25 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Benefits of Big Bubble Mixing | 8/14/24 8:28 | 8/14/24 9:00 | 0:31 | 0.5 | | 0.5 | 0.5 |
| WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:27 | 8/14/24 10:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| Using your data and SCADA for maintenance and savings | 8/14/24 10:05 | 8/14/24 10:58 | 0:53 | | 1.0 | 1.0 | 1.0 |
| 21ST Century FOG Management | 8/14/24 13:23 | 8/14/24 13:58 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:03 | 8/14/24 14:30 | 0:27 | 0.5 | | 0.5 | 0.5 |
| Adaptive mixing and process optimization with energy savings | 8/14/24 15:17 | 8/14/24 15:50 | 0:33 | 0.5 | | 0.5 | 0.5 |
| Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:51 | 8/14/24 16:26 | 0:34 | 0.5 | | 0.5 | 0.5 |
| Enhancing the absorption capacity of GAC to remove PFAS from water | 8/14/24 16:30 | 8/14/24 16:56 | 0:25 | 0.5 | | 0.5 | 0.5 |
| Electrical Safety for Wastewater Operators and Maintenance Personnel | 8/15/24 7:54 | 8/15/24 8:30 | 0:36 | | 0.5 | 0.5 | 0.5 |
| Emergency Preparedness and Procedures | 8/15/24 8:30 | 8/15/24 9:10 | 0:39 | | 0.5 | 0.5 | 0.5 |
| Primary Clarifier Sludge and Scum | 8/15/24 9:08 | 8/15/24 9:40 | 0:32 | 0.5 | | 0.5 | 0.5 |
| Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:44 | 8/15/24 10:15 | 0:30 | 0.5 | | 0.5 | 0.5 |
| Sustained 60 MGD? Sure, why not! | 8/15/24 10:11 | 8/15/24 10:45 | 0:33 | 0.5 | | 0.5 | 0.5 |
| The state of the s | | | | | | | |

| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:57 | 8/15/24 11:25 | 0:27 | | 0.5 | 0.5 | 0.5 |
|---------------|--|---------------|---------------|---------------|-----|-----|-----|-----|
| | Grit Happens - Sustainable Solutions for Grit Management At WWTPs | 8/15/24 11:21 | 8/15/24 11:55 | 0:34 | 0.5 | | 0.5 | 0.5 |
| and, Brian | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 1.5 | 2.0 | 3.5 | 3.5 |
| | Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility | 8/15/24 7:58 | 8/15/24 8:30 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:33 | 8/15/24 9:05 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:10 | 8/15/24 9:40 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | City of Kalamazoo's Holistic Approach to Selecting New Process Technologies | 8/15/24 9:42 | 8/15/24 10:50 | 1:08 | | 1.0 | 1.0 | 1.0 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:57 | 8/15/24 11:25 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens - Sustainable Solutions for Grit Management At WWTPs | 8/15/24 11:28 | 8/15/24 11:55 | 0:27 | 0.5 | | 0.5 | 0.5 |
| omquist, Bill | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 0.5 | 0.0 | 0.0 | 0.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:50 | 8/13/24 11:10 | 0:19 | 0.5 | | 0.0 | 0.0 |
| etcker, Bill | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 1.0 | 0.5 | 1.5 | 1.5 |
| | Tips for Labs that you may not know | 8/15/24 7:52 | 8/15/24 8:30 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | IWEA WASTEWATER LABORATORY ANALYST CERTIFICATION | 8/15/24 8:33 | 8/15/24 9:00 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Flexing Your Procurement Muscle | 8/15/24 9:07 | 8/15/24 9:37 | 0:30 | 0.5 | | 0.5 | 0.5 |
| ice, Audrey | | | | | | | | |
| | Credits Requested: | | | redits Earned | 6.5 | 1.0 | 7.5 | 7.5 |
| | Oxidation ditches | 8/14/24 7:56 | 8/14/24 8:25 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:29 | 8/14/24 9:00 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | | |

| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:28 | 8/14/24 10:00 | 0:31 | 0.5 | | 0.5 | 0.5 |
|------------------|---|-------------------------------|--|----------------------------------|------------------------------|-----|--------------------------|--------------------------|
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:05 | 8/14/24 10:35 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:29 | 8/14/24 11:05 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | 21ST Century FOG Management | 8/14/24 13:33 | 8/14/24 13:58 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:04 | 8/14/24 14:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:18 | 8/14/24 15:55 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Getting the Next Generation Excited about Wastewater | 8/14/24 15:55 | 8/14/24 16:25 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Ultra-Low Phosphorus Limits | 8/15/24 7:59 | 8/15/24 8:30 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:09 | 8/15/24 9:40 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Basics of pH | 8/15/24 9:44 | 8/15/24 10:15 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:17 | 8/15/24 10:45 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:54 | 8/15/24 11:25 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | It's Raining N! The Future of | 8/15/24 11:20 | | | | | | |
| | Total Nitrogen Limits | 6/15/24 11.20 | 8/15/24 11:55 | 0:34 | 0.5 | | 0.5 | 0.5 |
| , | Total Nitrogen Limits Credits Requested: | 0/13/24 11.20 | | 0:34 redits Earned | 0.0 | 0.0 | 0.0 | 0.0 |
| • | | 0/15/24 11.20 | Total C | | | 0.0 | | |
| , | Credits Requested: | 8/14/24 9:33 | Total C | redits Earned | 0.0 | | 0.0 | 0.0 |
| , | Credits Requested: Credits Requested: Water Treatment Regulatory | | Total C | redits Earned | 0.0 | | 0.0 | 0.0 |
| Sollman, Patrick | Credits Requested: Credits Requested: Water Treatment Regulatory Terms & Definitions North Interceptor Sewer - | 8/14/24 9:33 | Total C Total C 8/14/24 9:58 | redits Earned redits Earned 0:25 | 0.0 1.5 _{0.5} | | 0.0 1.5 0.5 | 0.0 1.5 0.5 |
| , | Credits Requested: Credits Requested: Water Treatment Regulatory Terms & Definitions North Interceptor Sewer - Danville, IN Foster Park Relief Sewer - Indian Village CSO 005 | 8/14/24 9:33 8/14/24 10:02 | Total C Total C 8/14/24 9:58 8/14/24 10:35 8/14/24 14:04 | redits Earned 0:25 0:32 | 0.0 1.5 0.5 | | 0.0 1.5 0.5 0.5 | 0.0 1.5 0.5 0.5 |

| 8/13/24 9:10 | 8/13/24 10:04 | 0:53 | | 1.0 | 1.0 | 1.0 |
|---------------|--|--|---|--|---|--|
| 8/13/24 10:41 | 8/13/24 11:10 | 0:28 | 0.5 | | 0.5 | 0.5 |
| 8/13/24 13:29 | 8/13/24 13:55 | 0:26 | | 0.5 | 0.5 | 0.5 |
| 8/13/24 14:03 | 8/13/24 14:32 | 0:28 | | 0.5 | 0.5 | 0.5 |
| 8/14/24 9:36 | 8/14/24 10:05 | 0:28 | 0.5 | | 0.5 | 0.5 |
| 8/14/24 10:01 | 8/14/24 10:35 | 0:33 | 0.5 | | 0.5 | 0.5 |
| 8/14/24 10:31 | 8/14/24 11:05 | 0:34 | 0.5 | | 0.5 | 0.5 |
| 8/14/24 13:30 | 8/14/24 14:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| 8/14/24 13:31 | 8/14/24 14:30 | 0:59 | | 1.0 | 1.0 | 1.0 |
| 8/14/24 13:32 | 8/14/24 14:30 | 0:58 | | 1.0 | 1.0 | 1.0 |
| 8/14/24 15:13 | 8/14/24 16:21 | 1:07 | | 1.0 | 1.0 | 1.0 |
| 8/14/24 16:29 | 8/14/24 16:57 | 0:28 | 0.5 | | 0.5 | 0.5 |
| 8/15/24 8:01 | 8/15/24 8:30 | 0:29 | | 0.5 | 0.5 | 0.5 |
| 8/15/24 8:38 | 8/15/24 9:10 | 0:31 | | 0.5 | 0.5 | 0.5 |
| 8/15/24 9:09 | 8/15/24 9:37 | 0:27 | 0.5 | | 0.5 | 0.5 |
| 8/15/24 9:53 | 8/15/24 10:50 | 0:57 | | 1.0 | 1.0 | 1.0 |
| | 8/13/24 10:41 8/13/24 13:29 8/13/24 14:03 8/14/24 9:36 8/14/24 10:01 8/14/24 10:31 8/14/24 13:30 8/14/24 13:31 8/14/24 13:32 8/14/24 15:13 8/14/24 16:29 8/15/24 8:01 8/15/24 8:01 | 8/13/24 10:41 8/13/24 11:10 8/13/24 13:29 8/13/24 13:55 8/13/24 14:03 8/13/24 14:32 8/14/24 9:36 8/14/24 10:05 8/14/24 10:01 8/14/24 10:35 8/14/24 10:31 8/14/24 11:05 8/14/24 13:30 8/14/24 14:00 8/14/24 13:31 8/14/24 14:30 8/14/24 15:13 8/14/24 16:21 8/14/24 16:29 8/14/24 16:57 8/15/24 8:01 8/15/24 8:30 8/15/24 8:38 8/15/24 9:10 8/15/24 9:09 8/15/24 9:37 | 8/13/24 10:41 8/13/24 11:10 0:28 8/13/24 13:29 8/13/24 13:55 0:26 8/13/24 14:03 8/13/24 14:32 0:28 8/14/24 9:36 8/14/24 10:05 0:28 8/14/24 10:01 8/14/24 10:35 0:33 8/14/24 10:31 8/14/24 11:05 0:34 8/14/24 13:30 8/14/24 14:00 0:30 8/14/24 13:31 8/14/24 14:30 0:59 8/14/24 15:13 8/14/24 16:21 1:07 8/14/24 16:29 8/14/24 16:57 0:28 8/15/24 8:01 8/15/24 8:30 0:29 8/15/24 8:38 8/15/24 9:10 0:31 8/15/24 9:09 8/15/24 9:37 0:27 | 8/13/24 10:41 8/13/24 11:10 0:28 0.5 8/13/24 13:29 8/13/24 13:55 0:26 8/13/24 14:03 8/13/24 14:32 0:28 8/14/24 9:36 8/14/24 10:05 0:28 0.5 8/14/24 10:01 8/14/24 10:35 0:33 0.5 8/14/24 10:31 8/14/24 11:05 0:34 0.5 8/14/24 13:30 8/14/24 14:00 0:30 0.5 8/14/24 13:31 8/14/24 14:30 0:59 8/14/24 13:32 8/14/24 14:30 0:58 8/14/24 15:13 8/14/24 16:21 1:07 8/14/24 16:29 8/14/24 16:57 0:28 0.5 8/15/24 8:01 8/15/24 8:30 0:29 8/15/24 8:38 8/15/24 9:10 0:31 8/15/24 9:09 8/15/24 9:37 0:27 0.5 | 8/13/24 10:41 8/13/24 11:10 0:28 0.5 8/13/24 13:29 8/13/24 13:55 0:26 0.5 8/13/24 14:03 8/13/24 14:32 0:28 0.5 8/14/24 9:36 8/14/24 10:05 0:28 0.5 8/14/24 10:01 8/14/24 10:35 0:33 0.5 8/14/24 10:31 8/14/24 11:05 0:34 0.5 8/14/24 13:30 8/14/24 14:00 0:30 0.5 8/14/24 13:31 8/14/24 14:30 0:59 1.0 8/14/24 15:13 8/14/24 16:21 1:07 1.0 8/14/24 16:29 8/14/24 16:57 0:28 0.5 8/15/24 8:01 8/15/24 8:30 0:29 0.5 8/15/24 8:38 8/15/24 9:10 0:31 0.5 8/15/24 9:09 8/15/24 9:37 0:27 0.5 | 8/13/24 10:41 8/13/24 11:10 0:28 0.5 0.5 8/13/24 13:29 8/13/24 13:55 0:26 0.5 0.5 8/13/24 14:03 8/13/24 14:32 0:28 0.5 0.5 8/14/24 9:36 8/14/24 10:05 0:28 0.5 0.5 8/14/24 10:01 8/14/24 10:35 0:33 0.5 0.5 8/14/24 10:31 8/14/24 11:05 0:34 0.5 0.5 8/14/24 13:30 8/14/24 14:00 0:30 0.5 0.5 8/14/24 13:31 8/14/24 14:30 0:59 1.0 1.0 8/14/24 13:32 8/14/24 14:30 0:58 1.0 1.0 8/14/24 15:13 8/14/24 16:21 1:07 1.0 1.0 8/14/24 16:29 8/14/24 16:57 0:28 0.5 0.5 8/15/24 8:01 8/15/24 8:30 0:29 0.5 0.5 8/15/24 8:38 8/15/24 9:10 0:31 0.5 0.5 8/15/24 9:09 8/15/24 9:37 0:27 0.5 0.5 |

| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:57 | 8/15/24 11:25 | 0:27 | | 0.5 | 0.5 | 0.5 |
|---------------|--|--------------------------------|--------------------------------|---------------|-----|-----|-----|-----|
| Boone, Daniel | Credits Requested: Waste | water | Total C | redits Earned | 6.0 | 1.0 | 7.0 | 7.0 |
| | Welcome & Keynote Address | 8/13/24 7:55 | 8/13/24 9:00 | 1:04 | 0.0 | 1.0 | 1.0 | 1.0 |
| | Biosolids: Fail to Plan; Plan to | 8/13/24 10:30 | 8/13/24 11:40 | 1:09 | 1.0 | | 1.0 | 1.0 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:23 | 8/13/24 13:55 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:00 | 8/13/24 14:25 | 0:24 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:52 | 8/13/24 15:25 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:59 | 8/13/24 16:55 | 0:55 | 1.0 | | 1.0 | 1.0 |
| | Out In The Field Not In A Book | 8/14/24 7:53 | 8/14/24 8:56 | 1:03 | 1.0 | | 1.0 | 1.0 |
| | Water Treatment Regulatory Terms & Definitions | 8/14/24 9:28 | 8/14/24 9:58 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Challenges In The Field | 8/14/24 10:05 | 8/14/24 11:02 | 0:57 | 1.0 | | 1.0 | 1.0 |
| Bosse, Joy | Credits Requested: | | Total C | redits Earned | 2.5 | 0.5 | 3.0 | 3.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:35 | 8/13/24 11:10 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:09 | 8/13/24 11:47 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:23 | 8/13/24 13:55 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:00 | 8/13/24 14:25 | 0:24 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – | | | 0.24 | 0.5 | | 0.5 | 0.5 |
| | What is Required vs. What is Realistic | 8/13/24 14:53 | 8/13/24 15:25 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Bourke, Alex | What is Required vs. What is | 8/13/24 14:53 8/13/24 15:56 | 8/13/24 15:25 8/13/24 16:26 | 0:31 | 0.5 | 0.5 | 0.5 | 0.5 |

| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:56 | 8/14/24 8:21 | 0:25 | 0.5 | | 0.5 | 0.5 |
|-----------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:25 | 8/14/24 9:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:27 | 8/14/24 10:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:04 | 8/14/24 10:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:26 | 8/14/24 11:05 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:27 | 8/14/24 14:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:03 | 8/14/24 14:35 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:16 | 8/14/24 15:55 | 0:39 | | 0.5 | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:56 | 8/14/24 16:26 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:27 | 8/14/24 16:55 | 0:27 | 0.5 | | 0.5 | 0.5 |
| Bowling, Angela | Cuadita Bassastad | | Total C | redits Earned | 7.0 | 2.5 | 9.0 | 9.0 |
| | Credits Requested: Workforce Development | 8/13/24 9:10 | 8/13/24 10:04 | 0:53 | 7.0 | 1.0 | 1.0 | 1.0 |
| | Roundtable Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:42 | 8/13/24 11:40 | 0:57 | 1.0 | | 1.0 | 1.0 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:38 | 8/13/24 14:00 | 0:22 | 0.5 | | 0.0 | 0.0 |
| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 13:59 | 8/13/24 14:25 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:31 | 8/13/24 16:56 | 0:25 | | 0.5 | 0.5 | 0.5 |

| | Mastering the Art of Master Planning | 8/14/24 7:56 | 8/14/24 9:00 | 1:04 | 1.0 | | 1.0 | 1.0 |
|----------------|--|---------------|------------------------------|---------------|-----|-----|-----|-----|
| | 21ST Century FOG Management | 8/14/24 13:37 | 8/14/24 14:02 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Enforcement Response Plan, Violations, and Significant Non- Compliance | 8/14/24 15:19 | 8/14/24 16:13 | 0:54 | 1.0 | | 1.0 | 1.0 |
| | Getting the Next Generation Excited about Wastewater | 8/14/24 16:00 | 8/14/24 16:25 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Ultra-Low Phosphorus Limits | 8/15/24 7:56 | 8/15/24 8:30 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | IWEA WASTEWATER LABORATORY ANALYST CERTIFICATION | 8/15/24 8:32 | 8/15/24 9:00 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Basics of pH | 8/15/24 9:49 | 8/15/24 10:15 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | A case for better lab results | 8/15/24 10:15 | 8/15/24 10:47 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories | 8/15/24 10:59 | 8/15/24 11:55 | 0:56 | 1.0 | | 1.0 | 1.0 |
| Bragiel, Jeff | Credits Requested: | | Total Credits Earned 0.5 0.0 | | 0.0 | 0.5 | 0.5 | |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:36 | 8/14/24 14:04 | 0:28 | 0.5 | | 0.5 | 0.5 |
| Brooks, Richey | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 4.0 | 2.0 | 6.0 | 6.0 |
| | Welcome & Keynote Address | 8/13/24 8:07 | 8/13/24 9:00 | 0:53 | | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:04 | 0:53 | | 1.0 | 1.0 | 1.0 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:28 | 8/13/24 11:40 | 1:12 | 1.0 | | 1.0 | 1.0 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:25 | 8/13/24 13:55 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:00 | 8/13/24 14:25 | 0:24 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 15:00 | 8/13/24 15:25 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:56 | 8/14/24 8:25 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:25 | 8/14/24 10:00 | 0:35 | 0.5 | | 0.5 | 0.5 |

| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:32 | 8/14/24 16:58 | 0:25 | 0.5 | | 0.5 | 0.5 |
|-----------------|--|---------------|---------------|---------------|-----|-----|-----|-----|
| Brune, Nathan | Credits Requested: PDHs | | Total C | redits Earned | 7.5 | 1.0 | 8.5 | 8.5 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:56 | 8/14/24 8:21 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:25 | 8/14/24 9:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:28 | 8/14/24 10:00 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:04 | 8/14/24 10:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:33 | 8/14/24 11:02 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:27 | 8/14/24 14:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:03 | 8/14/24 14:35 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:16 | 8/14/24 15:55 | 0:38 | | 0.5 | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:56 | 8/14/24 16:26 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:27 | 8/14/24 16:55 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Ultra-Low Phosphorus Limits | 8/15/24 7:50 | 8/15/24 8:30 | 0:40 | 0.5 | | 0.5 | 0.5 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:32 | 8/15/24 9:37 | 1:05 | 1.0 | | 1.0 | 1.0 |
| | Basics of pH | 8/15/24 9:44 | 8/15/24 10:15 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:16 | 8/15/24 10:45 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories | 8/15/24 10:57 | 8/15/24 11:55 | 0:57 | 1.0 | | 1.0 | 1.0 |
| BRZYSKI, CURTIS | Credits Requested: | | Total C | redits Earned | 0.5 | 1.5 | 2.0 | 2.0 |
| | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks | 8/13/24 13:26 | 8/13/24 13:55 | 0:28 | 0.0 | 0.5 | 0.5 | 0.5 |

| | Water Treatment Regulatory Terms & Definitions | 8/14/24 9:33 | 8/14/24 9:58 | 0:25 | 0.5 | | 0.5 | 0.5 |
|-----------------|---|--------------------------------|--------------------------------|---------------|-----|-----|-----|-----|
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:04 | 8/14/24 10:58 | 0:53 | | 1.0 | 1.0 | 1.0 |
| Buechler, Dylan | Credits Requested: | | Total C | redits Earned | 2.0 | 0.5 | 2.5 | 2.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:13 | 8/13/24 11:47 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:27 | 8/13/24 14:00 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:25 | 8/14/24 10:00 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:35 | 8/14/24 11:05 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:24 | 8/14/24 14:00 | 0:36 | 0.5 | | 0.5 | 0.5 |
| Buell, Kristen | Credits Requested: PDHs | | Total C | redits Earned | 2.5 | 1.5 | 4.0 | 4.0 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:24 | 8/14/24 9:00 | 0:36 | 0.5 | 1.5 | 0.5 | 0.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:23 | 8/14/24 10:00 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:03 | 8/14/24 10:35 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:32 | 8/14/24 11:02 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | Foster Park Relief Sewer – | 8/14/24 13:24 | 8/14/24 14:00 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Indian Village CSO 005 Connection | | | | | | | |
| | = | 8/14/24 14:05 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| Burdick, Rowan | Connection Requirements vs. Reality - Design Capacity Compared to | 8/14/24 14:05 8/14/24 15:18 | 8/14/24 14:35 8/14/24 16:21 | 0:30 1:03 | 0.5 | 1.0 | 0.5 | 0.5 |

| Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:32 | 8/13/24 11:40 | 1:07 | 1.0 | | 1.0 | 1.0 |
|---|--|---|---|---|---|---|------|
| PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:26 | 8/13/24 13:55 | 0:28 | 0.5 | | 0.5 | 0.5 |
| Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 14:02 | 8/13/24 14:28 | 0:26 | 0.5 | | 0.5 | 0.5 |
| IWEA WASTEWATER LABORATORY ANALYST CERTIFICATION | 8/15/24 8:33 | 8/15/24 9:00 | 0:27 | | 0.5 | 0.5 | 0.5 |
| Flexing Your Procurement Muscle | 8/15/24 9:11 | 8/15/24 9:37 | 0:26 | 0.5 | | 0.5 | 0.5 |
| A case for better lab results | 8/15/24 10:20 | 8/15/24 10:47 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | |
| Credits Requested: | | Total C | redits Earned | 2.0 | 1.5 | 3.5 | 3.5 |
| Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:30 | 8/14/24 16:58 | 0:27 | 0.5 | | 0.5 | 0.5 |
| Ultra-Low Phosphorus Limits | 8/15/24 7:52 | 8/15/24 8:30 | 0:37 | 0.5 | | 0.5 | 0.5 |
| Back to Basics: Review of UV Disinfection | 8/15/24 8:35 | 8/15/24 9:05 | 0:29 | 0.5 | | 0.5 | 0.5 |
| Primary Clarifier Sludge and Scum | 8/15/24 9:13 | 8/15/24 9:40 | 0:26 | 0.5 | | 0.5 | 0.5 |
| City of Kalamazoo's Holistic Approach to Selecting New Process Technologies | 8/15/24 9:43 | 8/15/24 10:50 | 1:06 | | 1.0 | 1.0 | 1.0 |
| Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 11:00 | 8/15/24 11:25 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | | | · - · | | 4.0 | | |
| Credits Requested: PDHs | | | | | 1.0 | | 4.0 |
| Benefits of Big Bubble Mixing | 8/14/24 8:29 | 8/14/24 9:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:28 | 8/14/24 10:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| North Interceptor Sewer - Danville, IN | 8/14/24 10:03 | 8/14/24 10:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Unveiling the Power of Regionalization: A Strategic | 8/14/24 10:34 | 8/14/24 11:02 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Fail PFAS Regulations Impact on the Future of Land Application Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants IWEA WASTEWATER LABORATORY ANALYST CERTIFICATION Flexing Your Procurement Muscle A case for better lab results Credits Requested: Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket Ultra-Low Phosphorus Limits Back to Basics: Review of UV Disinfection Primary Clarifier Sludge and Scum City of Kalamazoo's Holistic Approach to Selecting New Process Technologies Contrasting Design Considerations: Municipal Vs Industrial WWTPs Credits Requested: PDHs Benefits of Big Bubble Mixing WWTP Non-Potable Water Systems – The Neglected Plant Process North Interceptor Sewer - Danville, IN Unveiling the Power of | Fail PFAS Regulations Impact on the Future of Land Application Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation 8/13/24 14:02 Processes for the Destruction of PFAS and Emerging Contaminants IWEA WASTEWATER LABORATORY ANALYST CERTIFICATION Flexing Your Procurement Muscle 8/15/24 9:11 A case for better lab results 8/15/24 10:20 Credits Requested: Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket Ultra-Low Phosphorus Limits 8/15/24 7:52 Back to Basics: Review of UV Disinfection Primary Clarifier Sludge and Scum Scum Scum Scum School Selecting New Process Technologies Contrasting Design Considerations: Municipal Vs Industrial WWTPs Credits Requested: PDHs Benefits of Big Bubble Mixing 8/14/24 8:29 WWTP Non-Potable Water Systems – The Neglected Plant Process North Interceptor Sewer - Danville, IN Unveiling the Power of | PFAS Regulations Impact on the Future of Land Application | PFAS Regulations Impact on the Future of Land Application | PFAS Regulations Impact on the 8/13/24 13:26 8/13/24 13:55 0:28 0.5 | PFAS Regulations Impact on the Future of Land Application Processes for the Destruction of Processes for the Destruction of Processes for the Destruction of PFAS and Emerging Contaminants | Fall |

| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:25 | 8/14/24 14:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
|---------------|--|---------------|---------------|---------------------------------------|-----|-----|---------------------------------------|-----|
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:02 | 8/14/24 14:30 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:18 | 8/14/24 15:55 | 0:36 | | 0.5 | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:57 | 8/14/24 16:26 | 0:29 | 0.5 | | 0.5 | 0.5 |
| surnett, Tole | Credits Requested: | | Total C | Credits Earned | 0.0 | 1.0 | 1.0 | 1.0 |
| | Welcome & Keynote Address | 8/13/24 8:05 | 8/13/24 9:00 | 0:54 | | 1.0 | 1.0 | 1.0 |
| Burns, Aaron | Credits Requested: PDHs | | Total C | redits Earned | 6.0 | 3.5 | 9.5 | 9.5 |
| | Welcome & Keynote Address | 8/13/24 7:46 | 8/13/24 9:00 | 1:13 | | 1.0 | 1.0 | 1.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:36 | 8/13/24 11:10 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:09 | 8/13/24 11:47 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks | 8/13/24 13:25 | 8/13/24 13:55 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | 8/13/24 13:55 | 8/13/24 14:28 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 14:57 | 8/13/24 15:26 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 15:56 | 8/13/24 16:29 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | Forecasting Urban Water Escherichia coli Contamination Using Machine Learning Models | 8/13/24 16:26 | 8/13/24 17:00 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 8:01 | 8/14/24 8:27 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:25 | 8/14/24 9:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | · | · | | · · · · · · · · · · · · · · · · · · · | · | · | · · · · · · · · · · · · · · · · · · · | · |

| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:31 | 8/14/24 10:00 | 0:28 | 0.5 | | 0.5 | 0.5 |
|---------------------|---|--------------------|-------------------------|----------------|-----|-----|-----|-----|
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:04 | 8/14/24 10:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:26 | 8/14/24 11:05 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:24 | 8/14/24 14:00 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:02 | 8/14/24 14:30 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:17 | 8/14/24 15:55 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:50 | 8/14/24 16:26 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:27 | 8/14/24 16:55 | 0:27 | 0.5 | | 0.5 | 0.5 |
| Burroughs, Benjamin | Credite Personal PDUs | | Total C | redits Earned | 1.0 | 0.0 | 1.0 | 1.0 |
| | Credits Requested: PDHs | | TOTAL | redits carried | 1.0 | 0.0 | 1.0 | 1.0 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:30 | 8/13/24 13:55 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:53 | 8/13/24 15:25 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Butts, Samantha | Credits Requested: | | Total C | redits Earned | 1.0 | 0.5 | 1.5 | 1.5 |
| | Credits Requested: | | | | | 0.5 | | |
| | 21ST Century FOG Management | 8/14/24 13:29 | 8/14/24 13:58 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | IU Permits and Applying the Combined Wastestream Formula | 8/14/24 14:04 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:17 | 8/14/24 15:55 | 0:37 | | 0.5 | 0.5 | 0.5 |
| | | | | | | | | |
| Caldwell, Christian | Cuedite Description | | T-1-10 | | 2 F | 1.0 | 2 「 | 2 「 |
| Caldwell, Christian | Credits Requested: Wastev Welcome & Keynote Address | vater 8/13/24 8:01 | Total C 8/13/24 9:00 | credits Earned | 2.5 | 1.0 | 3.5 | 3.5 |

| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:36 | 8/13/24 11:40 | 1:04 | 1.0 | | 1.0 | 1.0 |
|-----------------|---|---------------|---------------|----------------|-----|-----|------|------|
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:30 | 8/13/24 13:55 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:00 | 8/13/24 14:25 | 0:24 | 0.5 | | 0.5 | 0.5 |
| | Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures | 8/13/24 14:55 | 8/13/24 15:25 | 0:29 | 0.5 | | 0.5 | 0.5 |
| Calhoun, Rachel | Cuadita Daguagtad. | | Total C | `uadita Fawaad | 2.0 | 1 5 | 3.5 | 3.5 |
| | Credits Requested: | 0/42/24.0.04 | | Credits Earned | 2.0 | 1.5 | | |
| | Welcome & Keynote Address | 8/13/24 8:01 | 8/13/24 9:00 | 0:58 | | 1.0 | 1.0 | 1.0 |
| | Tips for Labs that you may not know | 8/15/24 8:03 | 8/15/24 8:30 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | IWEA WASTEWATER LABORATORY ANALYST CERTIFICATION | 8/15/24 8:35 | 8/15/24 9:00 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | A case for better lab results | 8/15/24 10:21 | 8/15/24 10:47 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories | 8/15/24 10:56 | 8/15/24 11:55 | 0:59 | 1.0 | | 1.0 | 1.0 |
| Calhoun, Travis | | | | | | | | |
| | Credits Requested: Waster | vater | Total C | redits Earned | 6.0 | 4.0 | 10.0 | 10.0 |
| | Welcome & Keynote Address | 8/13/24 8:05 | 8/13/24 9:00 | 0:54 | | 1.0 | 1.0 | 1.0 |
| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:42 | 8/13/24 11:40 | 0:57 | 1.0 | | 1.0 | 1.0 |
| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 14:01 | 8/13/24 14:28 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:58 | 8/13/24 15:25 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 16:00 | 8/13/24 16:29 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Forecasting Urban Water Escherichia coli Contamination Using Machine Learning Models | 8/13/24 16:26 | 8/13/24 17:00 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | Mastering the Art of Master Planning | 8/14/24 7:53 | 8/14/24 9:00 | 1:07 | 1.0 | | 1.0 | 1.0 |
| | | | | | | | | |

| | Water and Wastewater Workforce Development – Is your community ready for the challenge? | 8/14/24 13:36 | 8/14/24 14:30 | 0:54 | | 1.0 | 1.0 | 1.0 |
|------------------|--|---------------|---------------|---------------|-----|-----|-----|-----|
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:22 | 8/14/24 15:55 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | Getting the Next Generation Excited about Wastewater | 8/14/24 15:58 | 8/14/24 16:25 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Tips for Labs that you may not know | 8/15/24 8:01 | 8/15/24 8:30 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Flexing Your Procurement Muscle | 8/15/24 9:10 | 8/15/24 9:37 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Basics of pH | 8/15/24 9:50 | 8/15/24 10:15 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:22 | 8/15/24 10:50 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories | 8/15/24 10:56 | 8/15/24 11:55 | 0:58 | 1.0 | | 1.0 | 1.0 |
| Canterbury, Zach | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 1.0 | 1.0 | 2.0 | 2.0 |
| | Welcome & Keynote Address | 8/13/24 8:05 | 8/13/24 9:00 | 0:54 | | 1.0 | 1.0 | 1.0 |
| | Mastering the Art of Master Planning | 8/14/24 7:57 | 8/14/24 9:00 | 1:02 | 1.0 | | 1.0 | 1.0 |
| Capo, Robert | | | | | 4.5 | 0.0 | 2.5 | 2.5 |
| | Credits Requested: Waster | | | redits Earned | 1.5 | 2.0 | 3.5 | 3.5 |
| | Welcome & Keynote Address | 8/13/24 8:05 | 8/13/24 9:00 | 0:54 | | 1.0 | 1.0 | 1.0 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:37 | 8/13/24 11:40 | 1:03 | 1.0 | | 1.0 | 1.0 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:58 | 8/13/24 15:25 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:53 | 8/13/24 16:26 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | Forecasting Urban Water Escherichia coli Contamination Using Machine Learning Models | 8/13/24 16:31 | 8/13/24 17:00 | 0:29 | | 0.5 | 0.5 | 0.5 |
| Carl, David | Cuadita Danisatada | | T-1-1-0 | uadita Camasi | 6.0 | 1.5 | 7 - | 7.5 |
| | Credits Requested: Waster | water | iotai C | redits Earned | 0.0 | 1.5 | 7.5 | 7.5 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:36 | 8/13/24 11:40 | 1:04 | 1.0 | | 1.0 | 1.0 |
| | Peracetic Acid for Wastewater | | | | | | | |

| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:00 | 8/13/24 14:25 | 0:24 | 0.5 | | 0.5 | 0.5 |
|-----------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:56 | 8/13/24 16:55 | 0:58 | 1.0 | | 1.0 | 1.0 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:28 | 8/14/24 9:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:25 | 8/14/24 10:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:04 | 8/14/24 10:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:33 | 8/14/24 11:05 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Wastewater Challenge Demonstration | 8/14/24 16:29 | 8/14/24 16:55 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Electrical Safety for Wastewater Operators and Maintenance Personnel | 8/15/24 7:56 | 8/15/24 8:30 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | Emergency Preparedness and Procedures | 8/15/24 8:32 | 8/15/24 9:10 | 0:37 | | 0.5 | 0.5 | 0.5 |
| | Basics of pH | 8/15/24 9:44 | 8/15/24 10:15 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:16 | 8/15/24 10:45 | 0:28 | 0.5 | | 0.5 | 0.5 |
| Carlson, Cheryl | | | T. 10 | 12. = 1 | 2.0 | 0.0 | 2.0 | 2.0 |
| | Credits Requested: | | | redits Earned | 3.0 | 0.0 | 3.0 | 3.0 |
| | Out In The Field Not In A Book | 8/14/24 7:51 | 8/14/24 8:33 | 0:42 | 0.5 | | 0.5 | 0.5 |
| | Water Treatment Regulatory Terms & Definitions | 8/14/24 9:24 | 8/14/24 9:58 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | 21ST Century FOG Management | 8/14/24 13:17 | 8/14/24 13:58 | 0:41 | 0.5 | | 0.5 | 0.5 |
| | IU Permits and Applying the Combined Wastestream Formula | 8/14/24 14:09 | 8/14/24 14:35 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Enforcement Response Plan, Violations, and Significant Non- Compliance | 8/14/24 15:13 | 8/14/24 16:13 | 1:00 | 1.0 | | 1.0 | 1.0 |
| Carlson, Eric | A 111 A | | | | 0.5 | 0.0 | 0.5 | 0 - |
| | Credits Requested: PDHs | | Total C | redits Earned | 6.5 | 2.0 | 8.5 | 8.5 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:39 | 8/13/24 11:10 | 0:30 | 0.5 | | 0.5 | 0.5 |

| In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:09 | 8/13/24 11:47 | 0:38 | 0.5 | | 0.5 | 0.5 |
|---|---------------|---------------|------|-----|-----|-----|-----|
| Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:29 | 8/13/24 14:00 | 0:30 | | 0.5 | 0.5 | 0.5 |
| Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:02 | 8/13/24 14:32 | 0:29 | | 0.5 | 0.5 | 0.5 |
| Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:53 | 8/13/24 15:25 | 0:32 | 0.5 | | 0.5 | 0.5 |
| IDEM Update | 8/13/24 15:59 | 8/13/24 16:26 | 0:26 | | 0.5 | 0.5 | 0.5 |
| The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:31 | 8/13/24 16:56 | 0:25 | | 0.5 | 0.5 | 0.5 |
| Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:58 | 8/14/24 8:25 | 0:26 | 0.5 | | 0.5 | 0.5 |
| Hydraulic Modeling - What is it good for? | 8/14/24 8:24 | 8/14/24 9:00 | 0:36 | 0.5 | | 0.5 | 0.5 |
| Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:26 | 8/14/24 10:00 | 0:34 | 0.5 | | 0.5 | 0.5 |
| North Interceptor Sewer - Danville, IN | 8/14/24 10:03 | 8/14/24 10:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:28 | 8/14/24 11:05 | 0:37 | 0.5 | | 0.5 | 0.5 |
| Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:25 | 8/14/24 14:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:01 | 8/14/24 14:30 | 0:29 | 0.5 | | 0.5 | 0.5 |
| Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:13 | 8/14/24 15:55 | 0:42 | 0.5 | | 0.5 | 0.5 |
| Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:50 | 8/14/24 16:26 | 0:35 | 0.5 | | 0.5 | 0.5 |

| | Minges Brook Pump Station - | | | | | | | |
|-------------------|---|---------------|---------------|----------------|-----|-----|-----|-----|
| | Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:28 | 8/14/24 16:55 | 0:26 | 0.5 | | 0.5 | 0.5 |
| Carpenter, Dillon | Credits Requested: | | Total C | redits Earned | 0.5 | 0.0 | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:32 | 8/14/24 14:00 | 0:28 | 0.5 | | 0.5 | 0.5 |
| Carroll, Cheyenne | | | | | 0.0 | ^ F | 0.5 | 0.5 |
| | Credits Requested: | | Total C | Credits Earned | 0.0 | 0.5 | 0.5 | 0.5 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:27 | 8/13/24 14:00 | 0:32 | | 0.5 | 0.5 | 0.5 |
| Casey, Troy | Credits Requested: | | Total C | redits Earned | 2.5 | 1.0 | 3.5 | 3.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:31 | 8/14/24 10:00 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:02 | 8/14/24 10:35 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:28 | 8/14/24 11:05 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:04 | 8/14/24 14:30 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:19 | 8/14/24 15:55 | 0:35 | | 0.5 | 0.5 | 0.5 |
| | Getting the Next Generation Excited about Wastewater | 8/14/24 15:56 | 8/14/24 16:25 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Enhancing the absorption capacity of GAC to remove PFAS from water | 8/14/24 16:28 | 8/14/24 16:55 | 0:26 | 0.5 | | 0.5 | 0.5 |
| Castle, Earnest | Credits Requested: Wastev | vater | Total C | redits Earned | 5.0 | 2.0 | 7.0 | 7.0 |
| | Welcome & Keynote Address | 8/13/24 8:08 | 8/13/24 9:00 | 0:51 | 5.0 | 1.0 | 1.0 | 1.0 |
| | Biosolids: Fail to Plan; Plan to | 8/13/24 10:34 | 8/13/24 11:40 | 1:05 | 1.0 | | 1.0 | 1.0 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:19 | 8/13/24 13:55 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 15:01 | 8/13/24 15:25 | 0:23 | 0.5 | | 0.5 | 0.5 |

| | Using your data and SCADA for maintenance and savings | 8/14/24 10:05 | 8/14/24 10:59 | 0:53 | | 1.0 | 1.0 | 1.0 |
|------------------------|--|---------------|---------------|---------------|-----|-----|------|------|
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:06 | 8/14/24 14:32 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 16:01 | 8/14/24 16:26 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Ultra-Low Phosphorus Limits | 8/15/24 8:00 | 8/15/24 8:30 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:38 | 8/15/24 9:05 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Flexing Your Procurement Muscle | 8/15/24 9:10 | 8/15/24 9:37 | 0:26 | 0.5 | | 0.5 | 0.5 |
| Control to the control | Basics of pH | 8/15/24 9:48 | 8/15/24 10:15 | 0:27 | 0.5 | | 0.5 | 0.5 |
| Castro Jackson, Katie | Credits Requested: PDHs | | Total C | redits Earned | 8.0 | 6.0 | 14.0 | 14.0 |
| | Welcome & Keynote Address | 8/13/24 8:02 | 8/13/24 9:00 | 0:57 | 0.0 | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:04 | 0:53 | | 1.0 | 1.0 | 1.0 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:26 | 8/13/24 11:41 | 1:14 | 1.0 | | 1.0 | 1.0 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:23 | 8/13/24 13:55 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | 8/13/24 14:01 | 8/13/24 14:28 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:54 | 8/13/24 15:25 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:58 | 8/13/24 16:26 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:29 | 8/13/24 16:55 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:51 | 8/14/24 8:25 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:29 | 8/14/24 9:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:26 | 8/14/24 10:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:03 | 8/14/24 10:59 | 0:55 | | 1.0 | 1.0 | 1.0 |
| | 50 Years Later and SND Still Works | 8/14/24 13:35 | 8/14/24 14:00 | 0:24 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | | |

| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:06 | 8/14/24 14:35 | 0:29 | 0.5 | | 0.5 | 0.5 |
|----------------|---|---------------|---------------|----------------|-----|-----|-----|-----|
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:22 | 8/14/24 15:55 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | Getting the Next Generation Excited about Wastewater | 8/14/24 15:58 | 8/14/24 16:25 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:29 | 8/14/24 16:55 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Ultra-Low Phosphorus Limits | 8/15/24 8:03 | 8/15/24 8:30 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:35 | 8/15/24 9:37 | 1:02 | 1.0 | | 1.0 | 1.0 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:45 | 8/15/24 10:15 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:20 | 8/15/24 10:45 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 11:00 | 8/15/24 11:25 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | It's Raining N! The Future of Total Nitrogen Limits | 8/15/24 11:27 | 8/15/24 11:55 | 0:28 | 0.5 | | 0.5 | 0.5 |
| Catron, Jimmie | | | | | | | | |
| | Credits Requested: | | Total C | Credits Earned | 1.0 | 0.0 | 1.0 | 1.0 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:05 | 8/14/24 10:35 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:24 | 8/14/24 14:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Chiu, Hsiaohan | Credits Requested: PDHs | | Total C | Credits Earned | 3.0 | 0.5 | 3.5 | 3.5 |
| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:33 | 8/13/24 11:40 | 1:06 | 1.0 | | 1.0 | 1.0 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:27 | 8/13/24 13:55 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | 8/13/24 13:58 | 8/13/24 14:28 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:56 | 8/13/24 15:25 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | - | | | | | | | |

| | The Danish story of using low- hanging-fruit to reduce energy, carbon, and resourcesgy and carbon | 8/13/24 15:59 | 8/13/24 16:55 | 0:55 | 1.0 | | 1.0 | 1.0 |
|---------------|--|---------------|---------------|---------------|-----|-----|-----|-----|
| Chumley, Dale | Credits Requested: | | Total C | redits Earned | 1.0 | 0.0 | 1.0 | 1.0 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:05 | 8/14/24 10:35 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:24 | 8/14/24 14:00 | 0:36 | 0.5 | | 0.5 | 0.5 |
| Chung, Emily | Credits Requested: | | Total C | redits Earned | 1.0 | 3.0 | 4.0 | 4.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:04 | 0:53 | 1.0 | 1.0 | 1.0 | 1.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:35 | 8/13/24 11:10 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:08 | 8/13/24 11:47 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks | 8/13/24 13:25 | 8/13/24 13:55 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:02 | 8/13/24 14:32 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 15:01 | 8/13/24 15:27 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:56 | 8/13/24 16:26 | 0:30 | | 0.5 | 0.5 | 0.5 |
| Clark, David | Credits Requested: PDHs | | Total C | redits Earned | 1.5 | 3.5 | 5.0 | 5.0 |
| | Welcome & Keynote Address | 8/13/24 8:09 | 8/13/24 9:00 | 0:50 | 1.0 | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:04 | 0:53 | | 1.0 | 1.0 | 1.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:32 | 8/13/24 11:10 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:11 | 8/13/24 11:47 | 0:36 | 0.5 | | 0.5 | 0.5 |

| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:27 | 8/13/24 14:00 | 0:33 | | 0.5 | 0.5 | 0.5 |
|--------------------------|--|---------------|---------------|----------------|-----|-----|-----|-----|
| | Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | 8/13/24 13:59 | 8/13/24 14:28 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:59 | 8/13/24 15:25 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 15:54 | 8/13/24 16:29 | 0:34 | | 0.5 | 0.5 | 0.5 |
| Claus, PE, BCEE, Richard | | | | | | | | |
| | Credits Requested: | | Total C | Credits Earned | 4.0 | 1.5 | 5.5 | 5.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:59 | 8/13/24 15:25 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | 50 Years Later and SND Still Works | 8/14/24 13:24 | 8/14/24 14:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Adaptive mixing and process optimization with energy savings | 8/14/24 15:17 | 8/14/24 15:50 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Getting the Next Generation Excited about Wastewater | 8/14/24 15:58 | 8/14/24 16:25 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Wastewater Challenge Demonstration | 8/14/24 16:30 | 8/14/24 16:55 | 0:24 | | 0.5 | 0.5 | 0.5 |
| | Ultra-Low Phosphorus Limits | 8/15/24 7:47 | 8/15/24 8:30 | 0:42 | 0.5 | | 0.5 | 0.5 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:29 | 8/15/24 9:37 | 1:07 | 1.0 | | 1.0 | 1.0 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:40 | 8/15/24 10:15 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:19 | 8/15/24 10:45 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:59 | 8/15/24 11:25 | 0:26 | | 0.5 | 0.5 | 0.5 |
| Comer, Kristin | Credits Requested: PDHs | | Total C | Credits Earned | 1.5 | 0.5 | 2.0 | 2.0 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:42 | 8/15/24 10:15 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:16 | 8/15/24 10:45 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | | |

| | Contrasting Design | | | | | | | |
|------------------|---|---------------|---------------|----------------|-----|-----|------|------|
| | Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:55 | 8/15/24 11:25 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens - Sustainable Solutions for Grit Management At WWTPs | 8/15/24 11:28 | 8/15/24 11:55 | 0:27 | 0.5 | | 0.5 | 0.5 |
| Corbin III, Pete | Cuadita Danuartado | | Total C | `uadita Fausad | 2.5 | 0.0 | 3.5 | 3.5 |
| | Credits Requested: | | Iotai C | Credits Earned | 3.5 | 0.0 | 3.5 | 3.5 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:39 | 8/13/24 11:41 | 1:01 | 1.0 | | 1.0 | 1.0 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:26 | 8/13/24 13:55 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 14:03 | 8/13/24 14:30 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:30 | 8/14/24 9:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:30 | 8/14/24 10:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:15 | 8/14/24 15:55 | 0:40 | 0.5 | | 0.5 | 0.5 |
| Cordell, Brandon | Consider Description | | T-4-1 C | | 1.0 | 1.0 | 2.0 | 2.0 |
| | Credits Requested: | | Iotai C | Credits Earned | 1.0 | 1.0 | 2.0 | 2.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:40 | 8/13/24 11:10 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:08 | 8/13/24 11:47 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:28 | 8/13/24 14:00 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:03 | 8/13/24 14:32 | 0:28 | | 0.5 | 0.5 | 0.5 |
| Corsaro, Kevin | Credits Requested: Waster | water | Total C | redits Earned | 9.0 | 4.0 | 13.0 | 13.0 |
| | Welcome & Keynote Address | 8/13/24 7:58 | 8/13/24 9:00 | 1:01 | 5.0 | 1.0 | 1.0 | 1.0 |
| | vveicuite & Reyticle Address | 0/15/24 7.50 | 0/15/24 5.00 | 1.01 | | 1.0 | 1.0 | 1.0 |

| Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:04 | 0:53 | | 1.0 | 1.0 | 1.0 |
|--|---------------|---------------|------|-----|-----|-----|-----|
| Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:34 | 8/13/24 11:41 | 1:06 | 1.0 | | 1.0 | 1.0 |
| Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:15 | 8/13/24 13:55 | 0:40 | 0.5 | | 0.5 | 0.5 |
| Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:00 | 8/13/24 14:25 | 0:24 | 0.5 | | 0.5 | 0.5 |
| Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:48 | 8/13/24 15:25 | 0:36 | 0.5 | | 0.5 | 0.5 |
| Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:52 | 8/13/24 16:55 | 1:02 | 1.0 | | 1.0 | 1.0 |
| Benefits of Big Bubble Mixing | 8/14/24 8:30 | 8/14/24 9:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:25 | 8/14/24 10:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Using your data and SCADA for maintenance and savings | 8/14/24 10:03 | 8/14/24 10:59 | 0:55 | | 1.0 | 1.0 | 1.0 |
| 50 Years Later and SND Still Works | 8/14/24 13:25 | 8/14/24 14:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:04 | 8/14/24 14:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Adaptive mixing and process optimization with energy savings | 8/14/24 15:17 | 8/14/24 15:50 | 0:33 | 0.5 | | 0.5 | 0.5 |
| Wastewater Challenge Demonstration | 8/14/24 16:28 | 8/14/24 16:55 | 0:26 | | 0.5 | 0.5 | 0.5 |
| Ultra-Low Phosphorus Limits | 8/15/24 7:56 | 8/15/24 8:30 | 0:34 | 0.5 | | 0.5 | 0.5 |
| Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:32 | 8/15/24 9:37 | 1:05 | 1.0 | | 1.0 | 1.0 |
| Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:43 | 8/15/24 10:15 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Sustained 60 MGD? Sure, why not! | 8/15/24 10:19 | 8/15/24 10:45 | 0:26 | 0.5 | | 0.5 | 0.5 |
| Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:53 | 8/15/24 11:25 | 0:31 | | 0.5 | 0.5 | 0.5 |

| Company Date | UPDATED - Emergency Replacement of a Blower During a Planning Project at the Wyoming Clean Water Plant | 8/15/24 11:31 | 8/15/24 11:57 | 0:25 | 0.5 | | 0.5 | 0.5 |
|--------------|---|---------------|---------------|---------------|-----|-----|------|------|
| orsaro, Pete | Credits Requested: Waster | vater | Total C | redits Earned | 7.5 | 2.5 | 10.0 | 10.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:04 | 0:53 | | 1.0 | 1.0 | 1.0 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:34 | 8/13/24 11:41 | 1:06 | 1.0 | | 1.0 | 1.0 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:23 | 8/13/24 13:55 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:00 | 8/13/24 14:25 | 0:24 | 0.5 | | 0.5 | 0.5 |
| | Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:56 | 8/14/24 8:25 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:28 | 8/14/24 9:00 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:27 | 8/14/24 10:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:02 | 8/14/24 10:59 | 0:56 | | 1.0 | 1.0 | 1.0 |
| | 50 Years Later and SND Still Works | 8/14/24 13:25 | 8/14/24 14:00 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:03 | 8/14/24 14:35 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Ultra-Low Phosphorus Limits | 8/15/24 7:56 | 8/15/24 8:30 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:32 | 8/15/24 9:37 | 1:04 | 1.0 | | 1.0 | 1.0 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:43 | 8/15/24 10:15 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:10 | 8/15/24 10:45 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:54 | 8/15/24 11:25 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | It's Raining N! The Future of Total Nitrogen Limits | 8/15/24 11:21 | 8/15/24 11:55 | 0:33 | 0.5 | | 0.5 | 0.5 |
| use, Terri | Credits Requested: | | Total C | redits Earned | 3.0 | 1.5 | 4.5 | 4.5 |

| Water and Wastewater Workforce Development – Is your community ready for the challenge? | 8/14/24 13:28 | 8/14/24 14:30 | 1:01 | | 1.0 | 1.0 | 1.0 |
|--|---|--|---|--|---|---|--|
| Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:17 | 8/14/24 15:55 | 0:38 | 0.5 | | 0.5 | 0.5 |
| Keeping pace with current dynamic state of UV disinfection. An overview of different style UV systems, and what are the drivers when picking between technologies. | 8/15/24 10:22 | 8/15/24 11:30 | 1:07 | 1.0 | | 1.0 | 1.0 |
| Optimizing Blower Filtration for Reliability, efficiency, and Value | 8/15/24 9:09 | 8/15/24 10:15 | 1:06 | 1.0 | | 1.0 | 1.0 |
| Emergency Preparedness and Procedures | 8/15/24 8:32 | 8/15/24 9:10 | 0:37 | | 0.5 | 0.5 | 0.5 |
| It's Raining N! The Future of Total Nitrogen Limits | 8/15/24 11:06 | 8/15/24 11:55 | 0:48 | 0.5 | | 0.5 | 0.5 |
| Credits Requested: | | | | 0.5 | 0.0 | 0.5 | 0.5 |
| Basics of pH | 8/15/24 9:48 | 8/15/24 10:15 | 0:27 | 0.5 | | 0.5 | 0.5 |
| Credits Requested: Waste | water | Total C | redits Farned | 5.5 | 2.0 | 7.5 | 7.5 |
| | | Total C | | | | 7.5 | |
| Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:32 | 8/13/24 11:41 | 1:08 | 1.0 | | 1.0 | 1.0 |
| · | | | | 1.0 | | | 0.5 |
| Your Plant may be over looking Peracetic Acid for Wastewater Disinfection & The Benefits to | 8/13/24 10:32 | 8/13/24 11:41 | 1:08 | | | 1.0 | |
| Your Plant may be over looking Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities Optimizing Final Clarifiers — From Concept to Demonstrated | 8/13/24 10:32 8/13/24 13:15 | 8/13/24 11:41 8/13/24 13:56 | 1:08 | 0.5 | | 0.5 | 0.5 |
| Your Plant may be over looking Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities Optimizing Final Clarifiers — From Concept to Demonstrated Performance The Danish story of using low-hanging-fruit to reduce energy, carbon, and resourcesgy and | 8/13/24 10:32 8/13/24 13:15 8/13/24 14:00 | 8/13/24 11:41 8/13/24 13:56 8/13/24 14:25 | 1:08 0:40 0:24 | 0.5 | | 0.5 0.5 | 0.5 |
| Your Plant may be over looking Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities Optimizing Final Clarifiers — From Concept to Demonstrated Performance The Danish story of using low-hanging-fruit to reduce energy, carbon, and resourcesgy and carbon | 8/13/24 10:32 8/13/24 13:15 8/13/24 14:00 8/13/24 15:57 | 8/13/24 11:41 8/13/24 13:56 8/13/24 14:25 8/13/24 16:55 | 0:40 0:24 0:57 | 0.5 | 1.0 | 1.0 0.5 0.5 | 0.5 |
| | Workforce Development – Is your community ready for the challenge? Lafayette Prairie Oaks Pipeline Rehab Keeping pace with current dynamic state of UV disinfection. An overview of different style UV systems, and what are the drivers when picking between technologies. Optimizing Blower Filtration for Reliability, efficiency, and Value Emergency Preparedness and Procedures It's Raining N! The Future of Total Nitrogen Limits Credits Requested: Basics of pH | Workforce Development – Is your community ready for the challenge? Lafayette Prairie Oaks Pipeline 8/14/24 15:17 Rehab 8/14/24 15:17 Keeping pace with current dynamic state of UV disinfection. An overview of different style UV systems, and what are the drivers when picking between technologies. Optimizing Blower Filtration for Reliability, efficiency, and Value Emergency Preparedness and Procedures It's Raining N! The Future of Total Nitrogen Limits Credits Requested: Basics of pH 8/15/24 9:48 | Workforce Development – Is your community ready for the challenge? Lafayette Prairie Oaks Pipeline 8/14/24 15:17 8/14/24 15:55 Keeping pace with current dynamic state of UV disinfection. An overview of different style UV systems, and what are the drivers when picking between technologies. Optimizing Blower Filtration for Reliability, efficiency, and Value Emergency Preparedness and Procedures It's Raining N! The Future of Total Nitrogen Limits Credits Requested: Basics of pH 8/15/24 9:48 8/15/24 10:15 | Workforce Development – Is your community ready for the challenge? Lafayette Prairie Oaks Pipeline Rehab Keeping pace with current dynamic state of UV disinfection. An overview of different style UV systems, and what are the drivers when picking between technologies. Optimizing Blower Filtration for Reliability, efficiency, and Value Emergency Preparedness and Procedures It's Raining N! The Future of Total Nitrogen Limits National Alexander R/14/24 13:28 8/14/24 13:29 8/14/24 15:55 0:38 8/15/24 10:22 8/15/24 11:30 1:07 1:07 1:06 8/15/24 9:09 8/15/24 10:15 1:06 1:06 1:07 1:07 1:06 1:07 1:06 1:07 1:06 1:07 1:06 1:07 1:06 1:07 1:06 1:07 1:06 1:07 1:06 1:07 1:06 1:07 1:06 1:07 1:06 1:07 1:06 1:07 1:07 1:06 1:07 1:07 1:06 1:07 1:06 1:07 1:07 1:06 1:07 1:07 1:06 1:07 1:07 1:06 1:07 1:07 1:06 1:07 1: | Workforce Development – Is your community ready for the challenge? 8/14/24 13:28 8/14/24 14:30 1:01 Lafayette Prairie Oaks Pipeline Rehab 8/14/24 15:17 8/14/24 15:55 0:38 0.5 Keeping pace with current dynamic state of UV disinfection. An overview of different style UV systems, and what are the drivers when picking between technologies. 8/15/24 10:22 8/15/24 11:30 1:07 1.0 Optimizing Blower Filtration for Reliability, efficiency, and Value 8/15/24 9:09 8/15/24 10:15 1:06 1.0 Emergency Preparedness and Procedures 8/15/24 8:32 8/15/24 9:10 0:37 It's Raining N! The Future of Total Nitrogen Limits 8/15/24 11:06 8/15/24 11:55 0:48 0.5 Credits Requested: Total Credits Earned 0.5 Basics of pH 8/15/24 9:48 8/15/24 10:15 0:27 0.5 | Workforce Development – Is your community ready for the challenge? 8/14/24 13:28 8/14/24 14:30 1:01 1.0 Lafayette Prairie Oaks Pipeline Rehab 8/14/24 15:17 8/14/24 15:55 0:38 0.5 Keeping pace with current dynamic state of UV disinfection. An overview of different style UV systems, and what are the drivers when picking between technologies. 8/15/24 10:22 8/15/24 11:30 1:07 1.0 Optimizing Blower Filtration for Reliability, efficiency, and Value 8/15/24 9:09 8/15/24 10:15 1:06 1.0 Emergency Preparedness and Procedures 8/15/24 8:32 8/15/24 9:10 0:37 0.5 It's Raining N! The Future of Total Nitrogen Limits 8/15/24 11:06 8/15/24 11:55 0:48 0.5 Credits Requested: Total Credits Earned 0.5 0.0 Basics of pH 8/15/24 9:48 8/15/24 10:15 0:27 0.5 | Workforce Development – Is your community ready for the challenge? 8/14/24 13:28 8/14/24 14:30 1:01 1.0 1.0 1.0 Lafayette Prairie Oaks Pipeline Rehab 8/14/24 15:17 8/14/24 15:55 0:38 0.5 0.5 Keeping pace with current dynamic state of UV disinfection. An overview of different style UV systems, and what are the drivers when picking between technologies. 8/15/24 10:22 8/15/24 11:30 1:07 1.0 1.0 1.0 Optimizing Blower Filtration for Reliability, efficiency, and Value 8/15/24 9:09 8/15/24 10:15 1:06 1.0 1.0 1.0 Emergency Preparedness and Procedures 8/15/24 8:32 8/15/24 9:10 0:37 0.5 0.5 It's Raining NI The Future of Total Nitrogen Limits 8/15/24 11:06 8/15/24 11:55 0:48 0.5 0.5 Credits Requested: Total Credits Earned 0.5 0.0 0.5 |

| | Water and Wastewater Workforce Development – Is your community ready for the challenge? | 8/14/24 13:29 | 8/14/24 14:30 | 1:01 | | 1.0 | 1.0 | 1.0 |
|----------------|--|---------------|---------------|---------------|-----|-----|-----|-----|
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:39 | 8/15/24 9:37 | 0:58 | 1.0 | | 1.0 | 1.0 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:37 | 8/15/24 10:15 | 0:37 | 0.5 | | 0.5 | 0.5 |
| reamer, Justin | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 3.5 | 3.0 | 6.5 | 6.5 |
| | Welcome & Keynote Address | 8/13/24 7:53 | 8/13/24 9:00 | 1:06 | | 1.0 | 1.0 | 1.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:40 | 8/13/24 11:10 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:12 | 8/13/24 11:47 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 15:01 | 8/13/24 15:27 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:29 | 8/14/24 10:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Challenges In The Field | 8/14/24 10:04 | 8/14/24 10:55 | 0:50 | 1.0 | | 1.0 | 1.0 |
| | 21ST Century FOG Management | 8/14/24 13:20 | 8/14/24 13:58 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | IU Permits and Applying the Combined Wastestream Formula | 8/14/24 14:08 | 8/14/24 14:35 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Getting the Next Generation Excited about Wastewater | 8/14/24 16:00 | 8/14/24 16:25 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Emergency Preparedness and Procedures | 8/15/24 8:30 | 8/15/24 9:10 | 0:39 | | 0.5 | 0.5 | 0.5 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:52 | 8/15/24 11:25 | 0:33 | | 0.5 | 0.5 | 0.5 |
| REASY, ANDREW | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 0.5 | 0.0 | 0.5 | 0.5 |
| | Water Treatment Regulatory Terms & Definitions | 8/14/24 9:24 | 8/14/24 9:58 | 0:34 | 0.5 | | 0.5 | 0.5 |
| Crist, John | Credits Requested: | | Total C | redits Earned | 0.0 | 0.0 | 0.0 | 0.0 |

| | Credits Requested: PDHs | | Total C | redits Earned | 1.0 | 2.0 | 3.0 | 3.0 |
|---------------------|---|---------------|---------------|----------------|-----|-----|-----|-----|
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:04 | 0:53 | | 1.0 | 1.0 | 1.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:35 | 8/13/24 11:10 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:08 | 8/13/24 11:47 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks | 8/13/24 13:24 | 8/13/24 13:55 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | 8/13/24 13:56 | 8/13/24 14:28 | 0:32 | | 0.5 | 0.5 | 0.5 |
| Cunningham, Michael | Credits Requested: | | Total C | redits Earned | 1.5 | 0.0 | 1.5 | 1.5 |
| | Water Treatment Regulatory Terms & Definitions | 8/14/24 9:33 | 8/14/24 9:58 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:02 | 8/14/24 10:35 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:39 | 8/14/24 14:04 | 0:25 | 0.5 | | 0.5 | 0.5 |
| Currie, Kaitlyn | Credite Possested PDUs | | Tatal | andite Fernand | 6.0 | 3.5 | 9.5 | 9.5 |
| | Credits Requested: PDHs Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:04 | 0:53 | 0.0 | 1.0 | 1.0 | 1.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:31 | 8/13/24 11:10 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:08 | 8/13/24 11:47 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:27 | 8/13/24 14:00 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:03 | 8/13/24 14:32 | 0:29 | | 0.5 | 0.5 | 0.5 |

| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 15:00 | 8/13/24 15:25 | 0:25 | 0.5 | | 0.5 | 0.5 |
|----------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | The Danish story of using low- hanging-fruit to reduce energy, carbon, and resourcesgy and carbon | 8/13/24 15:57 | 8/13/24 16:55 | 0:57 | 1.0 | | 1.0 | 1.0 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:30 | 8/13/24 16:55 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:25 | 8/14/24 9:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:29 | 8/14/24 10:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:03 | 8/14/24 10:35 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:33 | 8/14/24 11:05 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:27 | 8/14/24 14:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:01 | 8/14/24 14:30 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:20 | 8/14/24 15:55 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Getting the Next Generation Excited about Wastewater | 8/14/24 15:58 | 8/14/24 16:25 | 0:27 | | 0.5 | 0.5 | 0.5 |
| Curry, Cameron | Leading Change | 8/14/24 16:30 | 8/14/24 16:58 | 0:28 | | 0.5 | 0.5 | 0.5 |
| curry, cameron | Credits Requested: | | Total C | redits Earned | 1.5 | 3.0 | 4.5 | 4.5 |
| | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks | 8/13/24 13:31 | 8/13/24 13:57 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | 8/13/24 14:03 | 8/13/24 14:28 | 0:25 | | 0.5 | 0.5 | 0.5 |

| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 14:54 | 8/13/24 15:26 | 0:31 | | 0.5 | 0.5 | 0.5 |
|-----------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | Using Al, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:39 | 8/14/24 10:05 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Challenges In The Field | 8/14/24 10:05 | 8/14/24 10:56 | 0:50 | 1.0 | | 1.0 | 1.0 |
| | Water and Wastewater Workforce Development – Is your community ready for the challenge? | 8/14/24 13:35 | 8/14/24 14:30 | 0:54 | | 1.0 | 1.0 | 1.0 |
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:17 | 8/14/24 15:55 | 0:37 | | 0.5 | 0.5 | 0.5 |
| Curry, Jennifer | Credits Requested: | | Total C | redits Earned | 5.5 | 3.0 | 8.5 | 8.5 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:23 | 8/13/24 13:55 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:04 | 8/13/24 14:32 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures | 8/13/24 14:55 | 8/13/24 15:25 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:25 | 8/14/24 9:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:26 | 8/14/24 10:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:04 | 8/14/24 10:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:31 | 8/14/24 11:02 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:25 | 8/14/24 14:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:04 | 8/14/24 14:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:17 | 8/14/24 15:55 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | | |

| | Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility | 8/15/24 7:52 | 8/15/24 8:30 | 0:38 | | 0.5 | 0.5 | 0.5 |
|--------------|--|--|--|------------------------------|-------------------|-----|--------------------------|--------------------------|
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:28 | 8/15/24 9:05 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Flexing Your Procurement Muscle | 8/15/24 9:10 | 8/15/24 9:37 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | City of Kalamazoo's Holistic Approach to Selecting New Process Technologies | 8/15/24 9:43 | 8/15/24 10:50 | 1:07 | | 1.0 | 1.0 | 1.0 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:58 | 8/15/24 11:25 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | UPDATED - Emergency Replacement of a Blower During a Planning Project at the Wyoming Clean Water Plant | 8/15/24 11:20 | 8/15/24 11:57 | 0:36 | 0.5 | | 0.5 | 0.5 |
| Curtis, Mark | Credits Requested: Wastew | vater | Total C | redits Earned | 6.5 | 2.0 | 8.5 | 8.5 |
| | Welcome & Keynote Address | 8/13/24 7:49 | 8/13/24 9:00 | 1:10 | | 1.0 | 1.0 | 1.0 |
| | Conversion of an underutilized combined sewer to a storm | 8/13/24 10:44 | 8/13/24 11:10 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | sewer | | | | | | | |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:10 | 8/13/24 11:47 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing | 8/13/24 11:10 8/13/24 13:24 | 8/13/24 11:47 8/13/24 13:55 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana PFAS Regulations Impact on the Future of Land Application Communication & Collaboration: How we managed multiple design iterations of a 600,000 | | | | | 0.5 | | |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana PFAS Regulations Impact on the Future of Land Application Communication & Collaboration: How we managed multiple | 8/13/24 13:24 | 8/13/24 13:55 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana PFAS Regulations Impact on the Future of Land Application Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | 8/13/24 13:24 8/13/24 14:02 | 8/13/24 13:55 8/13/24 14:28 | 0:30 | 0.5 | 0.5 | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana PFAS Regulations Impact on the Future of Land Application Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis Out In The Field Not In A Book Water Treatment Regulatory | 8/13/24 13:24 8/13/24 14:02 8/14/24 7:51 | 8/13/24 13:55 8/13/24 14:28 8/14/24 8:56 | 0:30 0:26 1:04 | 1.0 | 0.5 | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana PFAS Regulations Impact on the Future of Land Application Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis Out In The Field Not In A Book Water Treatment Regulatory Terms & Definitions | 8/13/24 13:24 8/13/24 14:02 8/14/24 7:51 8/14/24 9:25 | 8/13/24 13:55 8/13/24 14:28 8/14/24 8:56 8/14/24 9:59 | 0:30 0:26 1:04 0:33 | 0.5 1.0 0.5 | 0.5 | 0.5 0.5 1.0 0.5 | 0.5 0.5 1.0 0.5 |

| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:43 | 8/15/24 10:15 | 0:31 | 0.5 | | 0.5 | 0.5 |
|----------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:13 | 8/15/24 10:45 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:56 | 8/15/24 11:25 | 0:28 | | 0.5 | 0.5 | 0.5 |
| Cushing, Henry | | | | | | | | |
| | Credits Requested: PDHs | | Total C | redits Earned | 1.0 | 2.5 | 3.5 | 3.5 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:04 | 0:53 | | 1.0 | 1.0 | 1.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:37 | 8/13/24 11:10 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:03 | 8/13/24 14:32 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:55 | 8/13/24 15:25 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 15:57 | 8/13/24 16:29 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:30 | 8/13/24 16:55 | 0:25 | | 0.5 | 0.5 | 0.5 |
| Custer, Kevin | | | = | | 0.5 | 0.0 | 2.5 | 2.5 |
| | Credits Requested: | | Total C | redits Earned | 2.5 | 0.0 | 2.5 | 2.5 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:25 | 8/13/24 13:55 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 15:01 | 8/13/24 15:25 | 0:23 | 0.5 | | 0.5 | 0.5 |
| | Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:57 | 8/13/24 16:55 | 0:57 | 1.0 | | 1.0 | 1.0 |
| | Enhancing the absorption capacity of GAC to remove PFAS from water | 8/14/24 16:24 | 8/14/24 16:55 | 0:30 | 0.5 | | 0.5 | 0.5 |
| Czarnik, Jim | Credits Requested: PDHs | | Total C | redits Earned | 4.0 | 3.0 | 7.0 | 7.0 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:25 | 8/14/24 10:00 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:04 | 8/14/24 10:59 | 0:55 | | 1.0 | 1.0 | 1.0 |
| | | | | | | | | |

| | 50 Years Later and SND Still Works | 8/14/24 13:27 | 8/14/24 14:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
|------------------|--|---------------|---------------|---------------|-----|-----|-----|-----|
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:02 | 8/14/24 14:30 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:18 | 8/14/24 15:55 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:51 | 8/14/24 16:26 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:30 | 8/14/24 16:58 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility | 8/15/24 8:03 | 8/15/24 8:30 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:27 | 8/15/24 9:05 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | City of Kalamazoo's Holistic Approach to Selecting New Process Technologies | 8/15/24 9:38 | 8/15/24 10:50 | 1:11 | | 1.0 | 1.0 | 1.0 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 11:00 | 8/15/24 11:25 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens - Sustainable Solutions for Grit Management At WWTPs | 8/15/24 11:31 | 8/15/24 11:56 | 0:25 | 0.5 | | 0.5 | 0.5 |
| niakowski, Kevin | | | | | 0.5 | | 0.5 | |
| | Credits Requested: PDHs | | Total C | redits Earned | 2.5 | 0.0 | 2.5 | 2.5 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:17 | 8/13/24 13:56 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:00 | 8/13/24 14:25 | 0:24 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:13 | 8/14/24 15:55 | 0:42 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:50 | 8/14/24 16:26 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:27 | 8/14/24 16:55 | 0:27 | 0.5 | | 0.5 | 0.5 |

| | Credits Requested: PDHs | | Total C | redits Earned | 2.5 | 1.5 | 4.0 | 4.0 |
|----------------|---|---------------------|---------------|----------------|-----|-----|-----|-----|
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 15:00 | 8/13/24 15:25 | 0:24 | 0.5 | | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 15:58 | 8/13/24 16:29 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | Rate inequity: are your residents subsidizing the growth in your community? | 8/14/24 9:30 | 8/14/24 10:30 | 0:59 | | 1.0 | 1.0 | 1.0 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:30 | 8/14/24 11:05 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Enforcement Response Plan, Violations, and Significant Non- Compliance | 8/14/24 15:19 | 8/14/24 16:14 | 0:54 | 1.0 | | 1.0 | 1.0 |
| | Transforming Compliance Using Collaborative Technology | 8/14/24 16:21 | 8/14/24 16:57 | 0:36 | 0.5 | | 0.5 | 0.5 |
| Dailey, Kurtis | Curalita Banna ata 1 | | T.: 10 | andia France I | 2.5 | 2.0 | | |
| | Credits Requested: Drinkin | g Water, Wastewater | Total C | redits Earned | 3.5 | 2.0 | 5.5 | 5.5 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:17 | 8/13/24 13:55 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 13:59 | 8/13/24 14:25 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:52 | 8/13/24 15:25 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:50 | 8/13/24 16:26 | 0:35 | | 0.5 | 0.5 | 0.5 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:51 | 8/14/24 8:21 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:26 | 8/14/24 9:00 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:25 | 8/14/24 10:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:04 | 8/14/24 10:59 | 0:54 | | 1.0 | 1.0 | 1.0 |
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:10 | 8/14/24 15:55 | 0:44 | | 0.5 | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:51 | 8/14/24 16:26 | 0:34 | 0.5 | | 0.5 | 0.5 |

| as Lappin, Maithilee | <u> </u> | | | | | | | |
|----------------------|--|---------------|---------------|---------------|-----|-----|------|------|
| | Credits Requested: PDHs | | Total C | redits Earned | 4.5 | 5.5 | 10.0 | 10.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:37 | 8/13/24 11:10 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks | 8/13/24 13:24 | 8/13/24 13:52 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 14:55 | 8/13/24 15:26 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:51 | 8/13/24 16:26 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | Forecasting Urban Water Escherichia coli Contamination Using Machine Learning Models | 8/13/24 16:32 | 8/13/24 17:00 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:59 | 8/14/24 8:25 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:28 | 8/14/24 9:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:30 | 8/14/24 10:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:31 | 8/14/24 11:02 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | Water and Wastewater Workforce Development – Is your community ready for the challenge? | 8/14/24 13:31 | 8/14/24 14:30 | 0:59 | | 1.0 | 1.0 | 1.0 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:21 | 8/14/24 15:55 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:50 | 8/14/24 16:26 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Leading Change | 8/14/24 16:29 | 8/14/24 16:58 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Enhancing the absorption capacity of GAC to remove PFAS from water | 8/14/24 16:30 | 8/14/24 16:55 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:10 | 8/15/24 9:40 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | City of Kalamazoo's Holistic Approach to Selecting New Process Technologies | 8/15/24 9:39 | 8/15/24 10:50 | 1:11 | | 1.0 | 1.0 | 1.0 |

| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:57 | 8/15/24 11:25 | 0:27 | | 0.5 | 0.5 | 0.5 |
|-----------------|---|-----------------|-------------------|---------------|-----|-----|------------|------|
| | Grit Happens - Sustainable Solutions for Grit Management At WWTPs | 8/15/24 11:23 | 8/15/24 11:55 | 0:32 | 0.5 | | 0.5 | 0.5 |
| avenport, Aaron | | | | | 0.5 | 4.5 | | |
| | Credits Requested: PDHs | | Total C | redits Earned | 0.5 | 1.5 | 2.0 | 2.0 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:30 | 8/14/24 16:58 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | City of Kalamazoo's Holistic Approach to Selecting New Process Technologies | 8/15/24 9:46 | 8/15/24 10:50 | 1:03 | | 1.0 | 1.0 | 1.0 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:56 | 8/15/24 11:25 | 0:28 | | 0.5 | 0.5 | 0.5 |
| Davidson, Derek | | | | | 0.5 | 4.5 | 4.0 | - 10 |
| | Credits Requested: | | | redits Earned | 2.5 | 1.5 | 4.0 | 4.0 |
| | Welcome & Keynote Address | 8/13/24 8:01 | 8/13/24 9:00 | 0:58 | | 1.0 | 1.0 | 1.0 |
| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:39 | 8/13/24 11:40 | 1:00 | 1.0 | | 1.0 | 1.0 |
| | Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | 8/13/24 14:00 | 8/13/24 14:28 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:28 | 8/14/24 9:00 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:03 | 8/14/24 10:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:26 | 8/14/24 11:05 | 0:39 | 0.5 | | 0.5 | 0.5 |
| Davis, Carmen | Cuadita Danuartada W | | T-4-1 C | | 1 E | 0.0 | <i>1</i> Γ | 4 F |
| | Credits Requested: Wastev | | | redits Earned | 4.5 | 0.0 | 4.5 | 4.5 |
| | Out In The Field Not In A Book | 8/14/24 7:58 | 8/14/24 8:56 | 0:58 | 1.0 | | 1.0 | 1.0 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:33 | 8/14/24 10:00 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Challenges In The Field | 8/14/24 10:04 | 8/14/24 10:55 | 0:50 | 1.0 | | 1.0 | 1.0 |
| | Challenges in the Field | 0/ 14/ 24 10:04 | 0, 2 1, 2 1 20103 | | | | | |

| | IU Permits and Applying the Combined Wastestream Formula | 8/14/24 14:05 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
|--------------|---|---------------|---------------|---------------|-----|-----|------|------|
| | Enforcement Response Plan, Violations, and Significant Non- Compliance | 8/14/24 15:14 | 8/14/24 16:14 | 0:59 | 1.0 | | 1.0 | 1.0 |
| vison, Brian | | | T. 1.0 | | | 0.0 | 44.5 | 11.5 |
| | Credits Requested: Waster | | | redits Earned | 5.5 | 6.0 | 11.5 | 11.5 |
| | Welcome & Keynote Address | 8/13/24 7:48 | 8/13/24 9:00 | 1:11 | | 1.0 | 1.0 | 1.0 |
| | Operator Certification Update | 8/13/24 10:39 | 8/13/24 11:07 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:20 | 8/13/24 13:55 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 13:58 | 8/13/24 14:25 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:57 | 8/13/24 15:25 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:56 | 8/13/24 16:26 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Mastering the Art of Master Planning | 8/14/24 7:59 | 8/14/24 9:00 | 1:00 | 1.0 | | 1.0 | 1.0 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:29 | 8/14/24 10:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:05 | 8/14/24 10:59 | 0:53 | | 1.0 | 1.0 | 1.0 |
| | 50 Years Later and SND Still Works | 8/14/24 13:24 | 8/14/24 14:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:04 | 8/14/24 14:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:16 | 8/14/24 15:55 | 0:38 | | 0.5 | 0.5 | 0.5 |
| | Getting the Next Generation Excited about Wastewater | 8/14/24 15:56 | 8/14/24 16:25 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Leading Change | 8/14/24 16:30 | 8/14/24 16:58 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Ultra-Low Phosphorus Limits | 8/15/24 8:00 | 8/15/24 8:30 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Emergency Preparedness and Procedures | 8/15/24 8:38 | 8/15/24 9:10 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | City of Kalamazoo's Holistic Approach to Selecting New Process Technologies | 8/15/24 9:44 | 8/15/24 10:50 | 1:06 | | 1.0 | 1.0 | 1.0 |

| | Pipes, Prints and Prototypes: | 8/15/24 11:00 | 8/15/24 11:55 | 0:55 | 1.0 | | 1.0 | 1.0 |
|---------------------|---|--------------------------------|--------------------------------|---------------|-----|-----|-----|-----|
| | Exploring 3D Printing Potential in Wastewater Laboratories | 0/13/24 11:00 | 0, 13, 24 11.33 | 0.55 | 1.0 | | 1.0 | 1.0 |
| De Cristofaro, Luis | Credits Requested: PDHs | | Total C | redits Earned | 1.5 | 0.0 | 1.5 | 1.5 |
| | Biosolids: Fail to Plan; Plan to | 8/13/24 10:39 | 8/13/24 11:40 | 1:01 | 1.0 | | 1.0 | 1.0 |
| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 14:01 | 8/13/24 14:28 | 0:26 | 0.5 | | 0.5 | 0.5 |
| Deahl, Teddy | Credits Requested: | | Total C | redits Earned | 0.0 | 3.5 | 3.5 | 3.5 |
| | Welcome & Keynote Address | 8/13/24 7:55 | 8/13/24 9:00 | 1:05 | 0.0 | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:17 | 1:06 | | 1.0 | 1.0 | 1.0 |
| | SRF Basics | 8/13/24 15:58 | 8/13/24 16:29 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | Forecasting Urban Water Escherichia coli Contamination Using Machine Learning Models | 8/13/24 16:26 | 8/13/24 17:00 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | Getting the Next Generation Excited about Wastewater | 8/14/24 15:58 | 8/14/24 16:25 | 0:27 | | 0.5 | 0.5 | 0.5 |
| DeLisle, Nathan | | | | | 4.0 | 4.0 | 2.0 | 2.0 |
| | Credits Requested: | | | redits Earned | 1.0 | 1.0 | 2.0 | 2.0 |
| | Welcome & Keynote Address | 8/13/24 7:55 | 8/13/24 9:00 | 1:05 | | 1.0 | 1.0 | 1.0 |
| | 21ST Century FOG Management | 8/14/24 13:31 | 8/14/24 13:59 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:05 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| Desharnais, Brian | | | T. 1.0 | | 0.0 | 2.0 | 2.0 | 2.0 |
| | Credits Requested: PDHs | | | redits Earned | 0.0 | 2.0 | 2.0 | 2.0 |
| | Ethics in Engineering | 8/14/24 13:05 8/14/24 15:08 | 8/14/24 14:30 8/14/24 16:21 | 1:25 1:13 | | 1.0 | 1.0 | 1.0 |
| Dewey, Tony | Indiana Law and Statutes | 0/ 14/ 24 13.00 | 0/ 14/ 24 10.21 | 1.13 | | 1.0 | 1.0 | 1.0 |
| ,, , | Credits Requested: | | Total C | redits Earned | 0.5 | 0.0 | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:05 | 8/14/24 10:35 | 0:29 | 0.5 | | 0.5 | 0.5 |
| DeWitt, Brian | Credits Requested: Wastewa | ter | Total C | redits Earned | 7.5 | 1.5 | 9.0 | 9.0 |

| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:29 | 8/13/24 11:40 | 1:11 | 1.0 | | 1.0 | 1.0 |
|--------------|--|---------------|---------------|---------------|-----|-----|-----|-----|
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:22 | 8/13/24 13:55 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 13:59 | 8/13/24 14:25 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:53 | 8/13/24 15:25 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:50 | 8/13/24 16:26 | 0:36 | | 0.5 | 0.5 | 0.5 |
| | Out In The Field Not In A Book | 8/14/24 7:51 | 8/14/24 8:56 | 1:05 | 1.0 | | 1.0 | 1.0 |
| | Rate inequity: are your residents subsidizing the growth in your community? | 8/14/24 9:21 | 8/14/24 10:30 | 1:09 | | 1.0 | 1.0 | 1.0 |
| | Enforcement Response Plan, Violations, and Significant Non- Compliance | 8/14/24 15:14 | 8/14/24 16:14 | 1:00 | 1.0 | | 1.0 | 1.0 |
| | Ultra-Low Phosphorus Limits | 8/15/24 7:52 | 8/15/24 8:30 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:32 | 8/15/24 9:05 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Basics of pH | 8/15/24 9:44 | 8/15/24 10:15 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Keeping pace with current dynamic state of UV disinfection. An overview of different style UV systems, and what are the drivers when picking between technologies. | 8/15/24 10:22 | 8/15/24 11:30 | 1:07 | 1.0 | | 1.0 | 1.0 |
| | It's Raining N! The Future of Total Nitrogen Limits | 8/15/24 11:21 | 8/15/24 11:55 | 0:33 | 0.5 | | 0.5 | 0.5 |
| DeWitt, Jeff | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 2.5 | 0.5 | 3.0 | 3.0 |
| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:41 | 8/13/24 11:40 | 0:59 | 1.0 | | 1.0 | 1.0 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:27 | 8/13/24 14:00 | 0:33 | | 0.5 | 0.5 | 0.5 |

| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 14:03 | 8/13/24 14:30 | 0:26 | 0.5 | | 0.5 | 0.5 |
|-------------------|---|---------------------|---------------|---------------|-----|-----|-----|-----|
| | Mastering the Art of Master Planning | 8/14/24 8:03 | 8/14/24 9:00 | 0:57 | 1.0 | | 1.0 | 1.0 |
| Dezelan, Nicholas | | | | | 0.5 | 0.0 | | |
| | Credits Requested: Drinkin | | | redits Earned | 3.5 | 2.0 | 5.5 | 5.5 |
| | Operator Certification Update | 8/13/24 10:36 | 8/13/24 11:07 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap | 8/13/24 11:09 | 8/13/24 11:42 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:35 | 8/13/24 14:00 | 0:24 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 15:00 | 8/13/24 15:26 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Mastering the Art of Master Planning | 8/14/24 8:16 | 8/14/24 9:00 | 0:44 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:31 | 8/14/24 10:00 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:04 | 8/14/24 10:59 | 0:54 | | 1.0 | 1.0 | 1.0 |
| | 21ST Century FOG Management | 8/14/24 13:27 | 8/14/24 13:59 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | IU Permits and Applying the Combined Wastestream Formula | 8/14/24 14:04 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Adaptive mixing and process optimization with energy savings | 8/14/24 15:20 | 8/14/24 15:50 | 0:30 | 0.5 | | 0.5 | 0.5 |
| Dickey, Darrin | | | | | | | | |
| | Credits Requested: Drinkin | g Water, Wastewater | Total C | redits Earned | 1.5 | 0.0 | 1.5 | 1.5 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:36 | 8/13/24 11:41 | 1:04 | 1.0 | | 1.0 | 1.0 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:23 | 8/13/24 13:56 | 0:32 | 0.5 | | 0.5 | 0.5 |
| DiTommaso, Jill | Credits Requested: PDHs | | Total C | redits Earned | 4.0 | 3.5 | 7.5 | 7.5 |

| | Welcome & Keynote Address | 8/13/24 7:54 | 8/13/24 9:00 | 1:05 | | 1.0 | 1.0 | 1.0 |
|---------------|--|---------------|---------------|---------------|-----|-----|-----|-----|
| Doub, Biet | Credits Requested: Waster | water | Total C | redits Earned | 6.5 | 3.0 | 9.5 | 9.5 |
| Doub, Bret | Indiana Law and Statutes | 8/14/24 15:19 | 8/14/24 16:21 | 1:01 | | 1.0 | 1.0 | 1.0 |
| | Ethics in Engineering | 8/14/24 13:26 | 8/14/24 14:30 | 1:04 | | 1.0 | 1.0 | 1.0 |
| | Mastering the Art of Master Planning | 8/14/24 7:53 | 8/14/24 9:00 | 1:07 | 1.0 | | 1.0 | 1.0 |
| | Credits Requested: | | Total C | redits Earned | 1.0 | 2.0 | 3.0 | 3.0 |
| Dompke, Scott | | | | | | | | |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:29 | 8/14/24 16:55 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:50 | 8/14/24 16:26 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:17 | 8/14/24 15:55 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:30 | 8/14/24 11:02 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | Rate inequity: are your residents subsidizing the growth in your community? | 8/14/24 9:28 | 8/14/24 10:30 | 1:01 | | 1.0 | 1.0 | 1.0 |
| | Mastering the Art of Master Planning | 8/14/24 7:59 | 8/14/24 9:00 | 1:01 | 1.0 | | 1.0 | 1.0 |
| | Forecasting Urban Water Escherichia coli Contamination Using Machine Learning Models | 8/13/24 16:27 | 8/13/24 17:00 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 15:52 | 8/13/24 16:29 | 0:36 | | 0.5 | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:59 | 8/13/24 15:25 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:02 | 8/13/24 14:32 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:29 | 8/13/24 14:00 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:10 | 8/13/24 11:47 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:38 | 8/13/24 11:10 | 0:31 | 0.5 | | 0.5 | 0.5 |

| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:04 | 0:53 | | 1.0 | 1.0 | 1.0 |
|----------------|---|---------------|---------------|------|-----|-----|-----|-----|
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 15:02 | 8/13/24 15:25 | 0:23 | 0.5 | | 0.5 | 0.5 |
| | Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:55 | 8/13/24 16:55 | 0:59 | 1.0 | | 1.0 | 1.0 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:52 | 8/14/24 8:22 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:28 | 8/14/24 9:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:33 | 8/14/24 10:00 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:05 | 8/14/24 10:35 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:26 | 8/14/24 11:05 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:23 | 8/14/24 14:00 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:03 | 8/14/24 14:30 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:12 | 8/14/24 15:55 | 0:42 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 16:14 | 8/14/24 16:26 | 0:11 | 0.0 | | 0.0 | 0.0 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:23 | 8/14/24 16:55 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility | 8/15/24 7:58 | 8/15/24 8:30 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | Emergency Preparedness and Procedures | 8/15/24 8:32 | 8/15/24 9:10 | 0:37 | | 0.5 | 0.5 | 0.5 |
| | Flexing Your Procurement Muscle | 8/15/24 9:06 | 8/15/24 9:37 | 0:30 | 0.5 | | 0.5 | 0.5 |
| Douglas, April | | | | | | | | |

| | Credits Requested: | | Total C | redits Earned | 2.0 | 1.0 | 3.0 | 3.0 |
|-------------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | Challenges of Rehabilitating a | 8/14/24 8:04 | 8/14/24 8:30 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:15 | 8/14/24 15:55 | 0:39 | | 0.5 | 0.5 | 0.5 |
| | Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility | 8/15/24 7:53 | 8/15/24 8:30 | 0:37 | | 0.5 | 0.5 | 0.5 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:28 | 8/15/24 9:05 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Basics of pH | 8/15/24 9:43 | 8/15/24 10:15 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:17 | 8/15/24 10:45 | 0:28 | 0.5 | | 0.5 | 0.5 |
| ove, White | Credits Requested: | | Total C | redits Earned | 1.5 | 0.0 | 1.5 | 1.5 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:27 | 8/13/24 13:56 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:00 | 8/13/24 14:25 | 0:24 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:57 | 8/13/24 15:26 | 0:28 | 0.5 | | 0.5 | 0.5 |
| owney, David Adam | Credits Requested: Wastev | vater | Total C | redits Earned | 6.0 | 1.5 | 7.5 | 7.5 |
| | Biosolids: Fail to Plan; Plan to | 8/13/24 10:34 | 8/13/24 11:40 | 1:05 | 1.0 | 1.0 | 1.0 | 1.0 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:23 | 8/13/24 13:55 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 13:59 | 8/13/24 14:25 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:58 | 8/13/24 15:25 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:59 | 8/13/24 15:26 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:24 | 8/14/24 9:00 | 0:36 | 0.5 | | 0.5 | 0.5 |

| Process 21ST Century FOG Management Requirements vs. Reality - Design Capacity Compared to 8/14/24 14:03 8/14/24 14:35 0:3 Real World Observations | :33 0.5 :41 0.5 :32 0.5 | | 0.5 | 0.5 |
|---|-------------------------------|-----|------|------|
| 21ST Century FOG Management Requirements vs. Reality - Design Capacity Compared to 8/14/24 14:03 8/14/24 14:35 0:3 Real World Observations | | | 0.5 | 0.5 |
| Design Capacity Compared to 8/14/24 14:03 8/14/24 14:35 0:3 Real World Observations | :32 0.5 | | | |
| Lafavette Prairie Oaks Pineline | | | 0.5 | 0.5 |
| Rehab 8/14/24 15:16 8/14/24 15:55 0:5 | :39 0.5 | | 0.5 | 0.5 |
| Getting the Next Generation 8/14/24 15:58 8/14/24 16:25 0:2 Excited about Wastewater | :27 | 0.5 | 0.5 | 0.5 |
| Wastewater Challenge 8/14/24 16:30 8/14/24 16:55 0:2 Demonstration 0:2< | :24 | 0.5 | 0.5 | 0.5 |
| Tips for Labs that you may not 8/15/24 7:53 8/15/24 8:30 0:3 | :37 0.5 | | 0.5 | 0.5 |
| CERTIFICATION | :28 | 0.5 | 0.5 | 0.5 |
| Credits Requested: PDHs Total Credits | s Earned 0.0 | 1.0 | 1.0 | 1.0 |
| Operator Certification Update 8/13/24 10:30 8/13/24 11:07 0:3 | :36 | 0.5 | 0.5 | 0.5 |
| IDEM Update 8/13/24 15:56 8/13/24 16:26 0:2 | :29 | 0.5 | 0.5 | 0.5 |
| Dubey, David | | | | |
| Credits Requested: PDHs Total Credits | s Earned 0.5 | 0.0 | 0.5 | 0.5 |
| 50 Years Later and SND Still 8/14/24 13:25 8/14/24 14:00 0:50 Works | :34 0.5 | | 0.5 | 0.5 |
| Dunn, Keegan | | | | |
| Credits Requested: Total Credits | s Earned 3.0 | 7.0 | 10.0 | 10.0 |
| Eliminating the Spreadsheet Safaris: Crafting Calculation 8/13/24 13:26 8/13/24 13:52 0:2 Workbooks | :25 | 0.5 | 0.5 | 0.5 |
| Optimizing Final Clarifiers – From Concept to Demonstrated 8/13/24 14:00 8/13/24 14:25 0:2 Performance | :24 0.5 | | 0.5 | 0.5 |
| Grit Happens: Conquering Startup Challenges during a 8/13/24 14:59 8/13/24 15:26 0:2 WWTP Upgrade | :26 | 0.5 | 0.5 | 0.5 |
| IDEM Update 8/13/24 15:58 8/13/24 16:26 0:2 | :27 | 0.5 | 0.5 | 0.5 |
| | <u> </u> | | 0.5 | 0.5 |
| The Need to Understand and Manage Water Availability 8/13/24 16:31 8/13/24 16:56 0:2 within Basins in Indiana | :25 | 0.5 | 0.5 | U.5 |

| | Hydraulic Modeling - What is it good for? | 8/14/24 8:25 | 8/14/24 9:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
|--------------|--|---------------|---------------|----------------|-----|-----|------|------|
| | Rate inequity: are your residents subsidizing the growth in your community? | 8/14/24 9:29 | 8/14/24 10:30 | 1:00 | | 1.0 | 1.0 | 1.0 |
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:30 | 8/14/24 11:02 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | Ethics in Engineering | 8/14/24 13:29 | 8/14/24 14:30 | 1:01 | | 1.0 | 1.0 | 1.0 |
| | Indiana Law and Statutes | 8/14/24 15:18 | 8/14/24 16:21 | 1:03 | | 1.0 | 1.0 | 1.0 |
| | Leading Change | 8/14/24 16:30 | 8/14/24 16:58 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Ultra-Low Phosphorus Limits | 8/15/24 7:59 | 8/15/24 8:30 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:32 | 8/15/24 9:37 | 1:05 | 1.0 | | 1.0 | 1.0 |
| | City of Kalamazoo's Holistic Approach to Selecting New Process Technologies | 8/15/24 9:39 | 8/15/24 10:50 | 1:11 | | 1.0 | 1.0 | 1.0 |
| Durden, Fred | | | | | | | | |
| | Credits Requested: | | Total C | Credits Earned | 6.5 | 3.5 | 10.0 | 10.0 |
| | Welcome & Keynote Address | 8/13/24 7:52 | 8/13/24 9:00 | 1:07 | | 1.0 | 1.0 | 1.0 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:40 | 8/13/24 11:41 | 1:00 | 1.0 | | 1.0 | 1.0 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:25 | 8/13/24 13:56 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:00 | 8/13/24 14:25 | 0:24 | 0.5 | | 0.5 | 0.5 |
| | Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:59 | 8/14/24 8:25 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:28 | 8/14/24 9:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:28 | 8/14/24 10:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:06 | 8/14/24 10:59 | 0:52 | | 1.0 | 1.0 | 1.0 |
| | 50 Years Later and SND Still Works | 8/14/24 13:28 | 8/14/24 14:00 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:08 | 8/14/24 14:35 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:16 | 8/14/24 15:55 | 0:38 | | 0.5 | 0.5 | 0.5 |
| | | | | | | | | |

| | Getting the Next Generation Excited about Wastewater | 8/14/24 15:59 | 8/14/24 16:25 | 0:26 | | 0.5 | 0.5 | 0.5 |
|--------------|---|---------------|---------------|----------------|-----|-----|------|------|
| | Wastewater Challenge Demonstration | 8/14/24 16:28 | 8/14/24 16:55 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | Ultra-Low Phosphorus Limits | 8/15/24 7:54 | 8/15/24 8:30 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:34 | 8/15/24 9:37 | 1:02 | 1.0 | | 1.0 | 1.0 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:39 | 8/15/24 10:15 | 0:35 | 0.5 | | 0.5 | 0.5 |
| yer, Michael | Credits Requested: | | Total C | redits Earned | 1.0 | 1.5 | 2.5 | 2.5 |
| | Biosolids: Fail to Plan; Plan to | 8/13/24 10:35 | 8/13/24 11:40 | 1:05 | 1.0 | | 1.0 | 1.0 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:30 | 8/13/24 14:00 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | 8/13/24 14:03 | 8/13/24 14:29 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 14:54 | 8/13/24 15:26 | 0:31 | | 0.5 | 0.5 | 0.5 |
| ly, Kimberly | | | | | | | | |
| | Credits Requested: | | Total C | Credits Earned | 9.0 | 3.0 | 12.0 | 12.0 |
| | Welcome & Keynote Address | 8/13/24 7:47 | 8/13/24 9:00 | 1:12 | | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:04 | 0:53 | | 1.0 | 1.0 | 1.0 |
| | Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap | 8/13/24 11:13 | 8/13/24 11:42 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:24 | 8/13/24 13:55 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 13:59 | 8/13/24 14:25 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:53 | 8/13/24 16:55 | 1:01 | 1.0 | | 1.0 | 1.0 |
| | Out In The Field Not In A Book | 8/14/24 7:58 | 8/14/24 8:56 | 0:58 | 1.0 | | 1.0 | 1.0 |

| | Water Treatment Regulatory Terms & Definitions | 8/14/24 9:26 | 8/14/24 9:59 | 0:32 | 0.5 | | 0.5 | 0.5 |
|--------------|---|---|--|------------------------------|-----|-----|--------------------------|--------------------------|
| | 21ST Century FOG Management | 8/14/24 13:35 | 8/14/24 14:01 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | IU Permits and Applying the Combined Wastestream Formula | 8/14/24 14:04 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Enforcement Response Plan, Violations, and Significant Non- Compliance | 8/14/24 15:13 | 8/14/24 16:14 | 1:00 | 1.0 | | 1.0 | 1.0 |
| | Transforming Compliance Using Collaborative Technology | 8/14/24 16:21 | 8/14/24 16:57 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Tips for Labs that you may not know | 8/15/24 7:53 | 8/15/24 8:30 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | IWEA WASTEWATER LABORATORY ANALYST CERTIFICATION | 8/15/24 8:33 | 8/15/24 9:00 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Flexing Your Procurement Muscle | 8/15/24 9:09 | 8/15/24 9:37 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Basics of pH | 8/15/24 9:43 | 8/15/24 10:15 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | A case for better lab results | 8/15/24 10:15 | 8/15/24 10:47 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories | 8/15/24 10:56 | 8/15/24 11:55 | 0:59 | 1.0 | | 1.0 | 1.0 |
| | | | | | | | | |
| Eash, Taylor | | | | | | | | |
| Eash, Taylor | Credits Requested: PDHs | | Total C | redits Earned | 9.0 | 5.0 | 14.0 | 14.0 |
| Eash, Taylor | | 8/13/24 7:46 | Total C 8/13/24 9:00 | redits Earned | 9.0 | 5.0 | 14.0 | 14.0 |
| Eash, Taylor | Credits Requested: PDHs | 8/13/24 7:46 8/13/24 9:10 | | | 9.0 | | | |
| Eash, Taylor | Credits Requested: PDHs Welcome & Keynote Address Workforce Development | | 8/13/24 9:00 | 1:13 | 9.0 | 1.0 | 1.0 | 1.0 |
| Eash, Taylor | Credits Requested: PDHs Welcome & Keynote Address Workforce Development Roundtable Conversion of an underutilized combined sewer to a storm | 8/13/24 9:10 | 8/13/24 9:00 8/13/24 10:04 | 1:13 0:53 | | 1.0 | 1.0 | 1.0 |
| Eash, Taylor | Credits Requested: PDHs Welcome & Keynote Address Workforce Development Roundtable Conversion of an underutilized combined sewer to a storm sewer In Case of Emergency: Keeping Stormwater and Traffic Flowing | 8/13/24 9:10 8/13/24 10:34 | 8/13/24 9:00 8/13/24 10:04 8/13/24 11:10 | 1:13 0:53 0:35 | 0.5 | 1.0 | 1.0 1.0 0.5 | 1.0 1.0 0.5 |
| Eash, Taylor | Credits Requested: PDHs Welcome & Keynote Address Workforce Development Roundtable Conversion of an underutilized combined sewer to a storm sewer In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana Eliminating the Spreadsheet Safaris: Crafting Calculation | 8/13/24 9:10 8/13/24 10:34 8/13/24 11:09 | 8/13/24 9:00 8/13/24 10:04 8/13/24 11:10 8/13/24 11:47 | 1:13 0:53 0:35 | 0.5 | 1.0 | 1.0 1.0 0.5 | 1.0 1.0 0.5 |
| Eash, Taylor | Credits Requested: PDHs Welcome & Keynote Address Workforce Development Roundtable Conversion of an underutilized combined sewer to a storm sewer In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks Regional Stormwater Detention Basins – Treating urban runoff | 8/13/24 9:10 8/13/24 10:34 8/13/24 11:09 8/13/24 13:24 | 8/13/24 9:00 8/13/24 10:04 8/13/24 11:10 8/13/24 11:47 8/13/24 13:52 | 1:13 0:53 0:35 0:38 | 0.5 | 1.0 | 1.0 1.0 0.5 0.5 | 1.0 1.0 0.5 0.5 |

| IDEM Update | 8/13/24 15:50 | 8/13/24 16:26 | 0:35 | | 0.5 | 0.5 | 0.5 |
|---|---------------|---------------|------|-----|-----|-----|-----|
| The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:31 | 8/13/24 16:56 | 0:25 | | 0.5 | 0.5 | 0.5 |
| Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:53 | 8/14/24 8:22 | 0:28 | 0.5 | | 0.5 | 0.5 |
| Hydraulic Modeling - What is it good for? | 8/14/24 8:25 | 8/14/24 9:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:28 | 8/14/24 10:00 | 0:31 | 0.5 | | 0.5 | 0.5 |
| North Interceptor Sewer - Danville, IN | 8/14/24 10:01 | 8/14/24 10:35 | 0:33 | 0.5 | | 0.5 | 0.5 |
| Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:26 | 8/14/24 11:05 | 0:38 | 0.5 | | 0.5 | 0.5 |
| Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:24 | 8/14/24 14:00 | 0:36 | 0.5 | | 0.5 | 0.5 |
| Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:02 | 8/14/24 14:30 | 0:27 | 0.5 | | 0.5 | 0.5 |
| Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:13 | 8/14/24 15:55 | 0:42 | 0.5 | | 0.5 | 0.5 |
| Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:50 | 8/14/24 16:26 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:26 | 8/14/24 16:55 | 0:28 | 0.5 | | 0.5 | 0.5 |
| Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility | 8/15/24 7:52 | 8/15/24 8:30 | 0:38 | | 0.5 | 0.5 | 0.5 |
| Back to Basics: Review of UV Disinfection | 8/15/24 8:28 | 8/15/24 9:05 | 0:36 | 0.5 | | 0.5 | 0.5 |
| Primary Clarifier Sludge and Scum | 8/15/24 9:07 | 8/15/24 9:40 | 0:32 | 0.5 | | 0.5 | 0.5 |
| Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:37 | 8/15/24 10:15 | 0:37 | 0.5 | | 0.5 | 0.5 |

| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:12 | 8/15/24 10:45 | 0:33 | 0.5 | | 0.5 | 0.5 |
|--------------------|---|---------------|---------------|----------------|-----|-----|-----|-----|
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:53 | 8/15/24 11:25 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | UPDATED - Emergency Replacement of a Blower During a Planning Project at the Wyoming Clean Water Plant | 8/15/24 11:21 | 8/15/24 11:57 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Ehlerding, Tim | Credits Requested: | | Total C | redits Earned | 0.5 | 2.0 | 2.5 | 2.5 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:44 | 8/13/24 11:10 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:30 | 8/13/24 14:00 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:03 | 8/13/24 14:32 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 16:00 | 8/13/24 16:29 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:35 | 8/14/24 11:02 | 0:26 | | 0.5 | 0.5 | 0.5 |
| Eichhorst, Jessica | | | | | | 2.5 | 2 - | 0.5 |
| | Credits Requested: PDHs | | | redits Earned | 0.0 | 0.5 | 0.5 | 0.5 |
| Elliott, Rylan | IDEM Update | 8/13/24 16:01 | 8/13/24 16:27 | 0:25 | | 0.5 | 0.5 | 0.5 |
| Elliott, Kylan | Credits Requested: | | Total C | redits Earned | 0.5 | 0.0 | 0.5 | 0.5 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:29 | 8/14/24 9:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| Enabnit, Hannah | - W | | | | 0.0 | 4.5 | 2.5 | 2.5 |
| | Credits Requested: PDHs | | Total C | Credits Earned | 2.0 | 1.5 | 3.5 | 3.5 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:34 | 8/13/24 11:10 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:09 | 8/13/24 11:47 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:25 | 8/13/24 13:56 | 0:30 | 0.5 | | 0.5 | 0.5 |

| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:03 | 8/13/24 14:32 | 0:29 | | 0.5 | 0.5 | 0.5 |
|-------------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:55 | 8/13/24 15:25 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:57 | 8/13/24 16:26 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:33 | 8/13/24 16:58 | 0:25 | | 0.5 | 0.5 | 0.5 |
| ngelhardt, Daniel | Credits Requested: | | Total C | redits Earned | 0.0 | 1.0 | 1.0 | 1.0 |
| | Welcome & Keynote Address | 8/13/24 7:51 | 8/13/24 9:00 | 1:08 | | 1.0 | 1.0 | 1.0 |
| rwin, Casey | Credits Requested: PDHs | | Total C | redits Earned | 1.5 | 1.0 | 2.5 | 2.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:25 | 8/14/24 10:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:06 | 8/14/24 10:59 | 0:53 | | 1.0 | 1.0 | 1.0 |
| | 50 Years Later and SND Still Works | 8/14/24 13:26 | 8/14/24 14:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:04 | 8/14/24 14:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| stupinan, Vicente | Cradita Paguastad, DDHs | | Total C | redits Earned | 1.5 | 1.5 | 3.0 | 3.0 |
| | Credits Requested: PDHs Welcome & Keynote Address | 8/13/24 8:01 | 8/13/24 9:00 | 0:58 | 1.5 | 1.0 | 1.0 | 1.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:34 | 8/13/24 11:10 | 0:35 | 0.5 | 1.0 | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:11 | 8/13/24 11:47 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:30 | 8/13/24 14:00 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures | 8/13/24 14:59 | 8/13/24 15:25 | 0:26 | 0.5 | | 0.5 | 0.5 |
| tzler, William | | | | | | | | |

| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:16 | 8/13/24 11:47 | 0:30 | 0.5 | | 0.5 | 0.5 |
|---------------------|--|--------------------|--------------------------------|------------------------|-----|-----|------------|-----|
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:29 | 8/13/24 14:00 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:02 | 8/13/24 14:32 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 15:00 | 8/13/24 15:25 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:09 | 8/14/24 10:35 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:32 | 8/14/24 11:02 | 0:30 | | 0.5 | 0.5 | 0.5 |
| Evankovich, Patrick | Credits Requested: | | Total C | Credits Earned | 0.5 | 0.0 | 0.5 | 0.5 |
| | Enhancing the absorption capacity of GAC to remove PFAS from water | 8/14/24 16:24 | 8/14/24 16:55 | 0:30 | 0.5 | | 0.5 | 0.5 |
| Evans, John | Credits Requested: PDHs | | Total (| Credits Earned | 0.5 | 3.0 | 3.5 | 3.5 |
| | Welcome & Keynote Address | 8/13/24 7:59 | 8/13/24 9:00 | 1:00 | 0.5 | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:04 | 0:53 | | 1.0 | 1.0 | 1.0 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:31 | 8/13/24 14:00 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Communication & Collaboration: How we managed multiple design iterations of a 600,000 | 8/13/24 13:58 | 8/13/24 14:29 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | storage facility in Indianapolis | | | | | | | |
| | - | 8/13/24 14:56 | 8/13/24 15:25 | 0:29 | 0.5 | | 0.5 | 0.5 |
| Ewers, Cody | storage facility in Indianapolis Benefits of Partnering to Reduce | | | 0:29 Credits Earned | 0.5 | 3.0 | 0.5 | 5.0 |
| Ewers, Cody | storage facility in Indianapolis Benefits of Partnering to Reduce Inflow and Infiltration | | | | | 3.0 | | |
| Ewers, Cody | storage facility in Indianapolis Benefits of Partnering to Reduce Inflow and Infiltration Credits Requested: Wastev | vater | Total C | Credits Earned | | | 5.0 | 5.0 |
| Ewers, Cody | storage facility in Indianapolis Benefits of Partnering to Reduce Inflow and Infiltration Credits Requested: Wastev Welcome & Keynote Address Workforce Development | vater 8/13/24 7:59 | Total C 8/13/24 9:00 | Credits Earned | | 1.0 | 5.0 1.0 | 5.0 |

| | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks | 8/13/24 13:30 | 8/13/24 13:57 | 0:27 | | 0.5 | 0.5 | 0.5 |
|----------------|---|---------------|---------------|---------------|------|-----|------|------|
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:00 | 8/13/24 14:25 | 0:24 | 0.5 | | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:31 | 8/13/24 16:58 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:28 | 8/14/24 9:00 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Fahel, Anthony | | | | | | | | |
| | Credits Requested: Waster | water | Total C | redits Earned | 10.0 | 2.0 | 12.0 | 12.0 |
| | Welcome & Keynote Address | 8/13/24 7:51 | 8/13/24 9:00 | 1:08 | | 1.0 | 1.0 | 1.0 |
| | Biosolids: Fail to Plan; Plan to | 8/13/24 10:32 | 8/13/24 11:40 | 1:07 | 1.0 | | 1.0 | 1.0 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:19 | 8/13/24 13:55 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 14:03 | 8/13/24 14:28 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:59 | 8/13/24 15:26 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:57 | 8/13/24 16:55 | 0:57 | 1.0 | | 1.0 | 1.0 |
| | Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:59 | 8/14/24 8:25 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:30 | 8/14/24 9:00 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:29 | 8/14/24 10:00 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:05 | 8/14/24 10:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | 21ST Century FOG Management | 8/14/24 13:23 | 8/14/24 13:59 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | IU Permits and Applying the Combined Wastestream Formula | 8/14/24 14:05 | 8/14/24 14:35 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Enforcement Response Plan, Violations, and Significant Non- Compliance | 8/14/24 15:16 | 8/14/24 16:14 | 0:57 | 1.0 | | 1.0 | 1.0 |

| | Tips for Labs that you may not know | 8/15/24 7:54 | 8/15/24 8:30 | 0:36 | 0.5 | | 0.5 | 0.5 |
|---------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | IWEA WASTEWATER LABORATORY ANALYST CERTIFICATION | 8/15/24 8:35 | 8/15/24 9:00 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:10 | 8/15/24 9:40 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:44 | 8/15/24 10:15 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:19 | 8/15/24 10:45 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:59 | 8/15/24 11:25 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | It's Raining N! The Future of Total Nitrogen Limits | 8/15/24 11:28 | 8/15/24 11:55 | 0:26 | 0.5 | | 0.5 | 0.5 |
| Fair, Alec | Credits Requested: PDHs | | Total C | redits Earned | 3.0 | 1.0 | 4.0 | 4.0 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:57 | 8/14/24 8:25 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:25 | 8/14/24 9:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:25 | 8/14/24 10:00 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:01 | 8/14/24 10:35 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:26 | 8/14/24 11:05 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Ethics in Engineering | 8/14/24 13:03 | 8/14/24 14:30 | 1:27 | | 1.0 | 1.0 | 1.0 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:13 | 8/14/24 15:55 | 0:42 | 0.5 | | 0.5 | 0.5 |
| Fan, Jonathan | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 3.5 | 1.5 | 5.0 | 5.0 |
| | Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:58 | 8/14/24 8:25 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:30 | 8/14/24 9:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Water Treatment Regulatory Terms & Definitions | 8/14/24 9:33 | 8/14/24 9:59 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | | |

| | Challenges In The Field | 8/14/24 10:04 | 8/14/24 10:55 | 0:50 | 1.0 | | 1.0 | 1.0 |
|--------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | Water and Wastewater Workforce Development – Is your community ready for the challenge? | 8/14/24 13:25 | 8/14/24 14:30 | 1:05 | | 1.0 | 1.0 | 1.0 |
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:12 | 8/14/24 15:55 | 0:42 | | 0.5 | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 16:01 | 8/14/24 16:26 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Enhancing the absorption capacity of GAC to remove PFAS from water | 8/14/24 16:27 | 8/14/24 16:55 | 0:27 | 0.5 | | 0.5 | 0.5 |
| rrell, Craig | | | | | | | | |
| | Credits Requested: PDHs | | Total C | redits Earned | 3.0 | 2.0 | 5.0 | 5.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:38 | 8/13/24 11:10 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:08 | 8/13/24 11:47 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:27 | 8/13/24 14:00 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:03 | 8/13/24 14:32 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 15:01 | 8/13/24 15:25 | 0:23 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:58 | 8/13/24 16:26 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:29 | 8/13/24 16:56 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:39 | 8/14/24 11:05 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | 50 Years Later and SND Still Works | 8/14/24 13:26 | 8/14/24 14:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:05 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |

| | Credits Requested: | | Total C | redits Earned | 2.5 | 4.5 | 6.5 | 6.5 |
|------------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | Welcome & Keynote Address | 8/13/24 8:00 | 8/13/24 9:00 | 0:59 | | 1.0 | 1.0 | 1.0 |
| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:39 | 8/13/24 11:40 | 1:00 | 1.0 | | 1.0 | 1.0 |
| | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks | 8/13/24 13:27 | 8/13/24 13:40 | 0:12 | | 0.5 | 0.0 | 0.0 |
| | Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | 8/13/24 14:04 | 8/13/24 14:30 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 16:01 | 8/13/24 16:29 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Water Treatment Regulatory Terms & Definitions | 8/14/24 9:28 | 8/14/24 9:59 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:01 | 8/14/24 10:35 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:32 | 8/14/24 11:05 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Ethics in Engineering | 8/14/24 13:30 | 8/14/24 14:30 | 1:00 | | 1.0 | 1.0 | 1.0 |
| | Indiana Law and Statutes | 8/14/24 15:18 | 8/14/24 16:21 | 1:03 | | 1.0 | 1.0 | 1.0 |
| Ferguson, Jeremy | Credits Requested: | | Total C | redits Earned | 0.0 | 0.5 | 0.5 | 0.5 |
| | Operator Certification Update | 8/13/24 10:36 | 8/13/24 11:07 | 0:30 | | 0.5 | 0.5 | 0.5 |
| Ferguson, Nick | Credits Requested: Waster | water | Total C | redits Earned | 5.5 | 2.5 | 8.0 | 8.0 |
| | Welcome & Keynote Address | 8/13/24 8:08 | 8/13/24 9:00 | 0:51 | | 1.0 | 1.0 | 1.0 |
| | Biosolids: Fail to Plan; Plan to | 8/13/24 10:34 | 8/13/24 11:40 | 1:06 | 1.0 | | 1.0 | 1.0 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:28 | 8/13/24 13:55 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:00 | 8/13/24 14:25 | 0:24 | 0.5 | | 0.5 | 0.5 |
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 14:59 | 8/13/24 15:26 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:57 | 8/13/24 16:55 | 0:57 | 1.0 | | 1.0 | 1.0 |

| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:31 | 8/14/24 10:00 | 0:29 | 0.5 | | 0.5 | 0.5 |
|---------------|--|---------------------|---------------|---------------|-----|-----|-----|-----|
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:05 | 8/14/24 10:59 | 0:53 | | 1.0 | 1.0 | 1.0 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:24 | 8/14/24 14:00 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:04 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Enforcement Response Plan, Violations, and Significant Non- Compliance | 8/14/24 15:19 | 8/14/24 16:14 | 0:54 | 1.0 | | 1.0 | 1.0 |
| Fish, Jeffrey | Cuadita Danuartado a com | | Total C | wadita Fawaad | 2.0 | 6.5 | 8.5 | 8.5 |
| | Credits Requested: Drinkin | g Water, Wastewater | lotaiC | redits Earned | 2.0 | 0.5 | 8.5 | 8.5 |
| | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks | 8/13/24 13:24 | 8/13/24 13:52 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | 8/13/24 13:58 | 8/13/24 14:29 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:58 | 8/13/24 15:25 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:53 | 8/13/24 16:26 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:30 | 8/13/24 16:56 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Water and Wastewater Workforce Development – Is your community ready for the challenge? | 8/14/24 13:32 | 8/14/24 14:30 | 0:57 | | 1.0 | 1.0 | 1.0 |
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:23 | 8/14/24 15:55 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | Leading Change | 8/14/24 16:31 | 8/14/24 16:58 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Getting the Next Generation Excited about Wastewater | 8/14/24 16:00 | 8/14/24 16:25 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility | 8/15/24 8:05 | 8/15/24 8:30 | 0:25 | | 0.5 | 0.5 | 0.5 |

| | Back to Basics: Review of UV Disinfection | 8/15/24 8:37 | 8/15/24 9:05 | 0:27 | 0.5 | | 0.5 | 0.5 |
|-----------------|--|---------------|---------------|---------------|------|-----|------|------|
| | Primary Clarifier Sludge and Scum | 8/15/24 9:07 | 8/15/24 9:40 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | City of Kalamazoo's Holistic Approach to Selecting New Process Technologies | 8/15/24 9:38 | 8/15/24 10:50 | 1:11 | | 1.0 | 1.0 | 1.0 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 11:00 | 8/15/24 11:25 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens - Sustainable Solutions for Grit Management At WWTPs | 8/15/24 11:29 | 8/15/24 11:55 | 0:26 | 0.5 | | 0.5 | 0.5 |
| Fisher, Vanessa | Credits Requested: Wastey | vator | Total C | redits Earned | 11.5 | 2.0 | 13.5 | 13.5 |
| | | | | | 11.5 | | | |
| | Welcome & Keynote Address | 8/13/24 7:57 | 8/13/24 9:00 | 1:02 | | 1.0 | 1.0 | 1.0 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:37 | 8/13/24 11:41 | 1:03 | 1.0 | | 1.0 | 1.0 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:22 | 8/13/24 13:56 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:00 | 8/13/24 14:25 | 0:24 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:48 | 8/13/24 15:25 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:51 | 8/13/24 16:55 | 1:03 | 1.0 | | 1.0 | 1.0 |
| | Out In The Field Not In A Book | 8/14/24 7:51 | 8/14/24 8:56 | 1:05 | 1.0 | | 1.0 | 1.0 |
| | Water Treatment Regulatory Terms & Definitions | 8/14/24 9:21 | 8/14/24 9:59 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Challenges In The Field | 8/14/24 10:01 | 8/14/24 10:55 | 0:54 | 1.0 | | 1.0 | 1.0 |
| | 50 Years Later and SND Still Works | 8/14/24 13:24 | 8/14/24 14:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:04 | 8/14/24 14:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Adaptive mixing and process optimization with energy savings | 8/14/24 15:16 | 8/14/24 15:50 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Getting the Next Generation Excited about Wastewater | 8/14/24 15:55 | 8/14/24 16:25 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | | | | | | | | |

| | Wastewater Challenge Demonstration | 8/14/24 16:28 | 8/14/24 16:55 | 0:27 | | 0.5 | 0.5 | 0.5 |
|-----------|--|---------------|---------------|---------------|-----|-----|------|------|
| | Ultra-Low Phosphorus Limits | 8/15/24 7:53 | 8/15/24 8:30 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:32 | 8/15/24 9:37 | 1:05 | 1.0 | | 1.0 | 1.0 |
| | Optimizing Blower Filtration for Reliability, efficiency, and Value | 8/15/24 9:09 | 8/15/24 10:15 | 1:06 | 1.0 | | 1.0 | 1.0 |
| | Keeping pace with current dynamic state of UV disinfection. An overview of different style UV systems, and what are the drivers when picking between technologies. | 8/15/24 10:12 | 8/15/24 11:30 | 1:17 | 1.0 | | 1.0 | 1.0 |
| | It's Raining N! The Future of Total Nitrogen Limits | 8/15/24 11:21 | 8/15/24 11:55 | 0:34 | 0.5 | | 0.5 | 0.5 |
| , Bradley | | | | | 0.0 | 4.0 | 10.0 | 40.0 |
| | Credits Requested: Wastev | | | redits Earned | 6.0 | 4.0 | 10.0 | 10.0 |
| | Welcome & Keynote Address | 8/13/24 8:07 | 8/13/24 9:00 | 0:52 | | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:04 | 0:53 | | 1.0 | 1.0 | 1.0 |
| | Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap | 8/13/24 11:12 | 8/13/24 11:42 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:23 | 8/13/24 13:56 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:00 | 8/13/24 14:25 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:55 | 8/13/24 15:25 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:52 | 8/13/24 16:26 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:28 | 8/13/24 16:56 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 8:04 | 8/14/24 8:30 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:24 | 8/14/24 9:00 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:28 | 8/14/24 10:00 | 0:31 | 0.5 | | 0.5 | 0.5 |

| North Interceptor Sewer - Danville, IN | 8/14/24 10:02 | 8/14/24 10:35 | 0:32 | 0.5 | | 0.5 | 0.5 |
|--|--|---|--|-------------------|------------|--|--|
| Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach Salvaging an Almost 100-Yea Old Sewer | | 8/14/24 11:05 | 0:38 | 0.5 | | 0.5 | 0.5 |
| Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:24 | 8/14/24 14:00 | 0:36 | 0.5 | | 0.5 | 0.5 |
| Critical Crossing: Gravity Sew under a Ditch, Railroad, and State Road in Greendale, Indiana | er 8/14/24 14:02 | 8/14/24 14:30 | 0:28 | 0.5 | | 0.5 | 0.5 |
| Lafayette Prairie Oaks Pipelin Rehab | e 8/14/24 15:15 | 8/14/24 15:55 | 0:40 | 0.5 | | 0.5 | 0.5 |
| Use of Pipe Storage System for Sustainable CSO Reduction | 6/ 14/ 24 15.51 | 8/14/24 16:26 | 0:34 | 0.5 | | 0.5 | 0.5 |
| Leading Change | 8/14/24 16:28 | 8/14/24 16:58 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | 5/ - 1/ - 1 - 21-25 | 5/ - 1/ - 1 - 2000 | | | | | |
| n, Drew Credits Requeste | | | Credits Earne | ed 5.5 | 2.5 | 8.0 | 8.0 |
| n, Drew | | | Credits Earne | ed 5.5 | 2.5 1.0 | 8.0 | 8.0 |
| n, Drew Credits Requeste | d: PDHs | Total | | ed 5.5 | | | |
| Credits Requeste Welcome & Keynote Address Workforce Development | d: PDHs 8/13/24 7:53 8/13/24 9:10 Jes 8/13/24 10:45 | Total 8/13/24 9:00 | 1:06 | ed 5.5 | 1.0 | 1.0 | 1.0 |
| Credits Requeste Welcome & Keynote Address Workforce Development Roundtable Critical Maintenance Technique | d: PDHs 8/13/24 7:53 8/13/24 9:10 Jes 8/13/24 10:45 g | Total 8/13/24 9:00 8/13/24 10:17 | 1:06 1:06 | | 1.0 | 1.0 | 1.0 |
| Credits Requeste Welcome & Keynote Address Workforce Development Roundtable Critical Maintenance Techniqu Your Plant may be over lookin PFAS Regulations Impact on t | d: PDHs 8/13/24 7:53 8/13/24 9:10 Les 8/13/24 10:45 g the 8/13/24 13:30 | Total 8/13/24 9:00 8/13/24 10:17 8/13/24 11:41 | 1:06 1:06 0:55 | 1.0 | 1.0 | 1.0 | 1.0 |
| Credits Requeste Welcome & Keynote Address Workforce Development Roundtable Critical Maintenance Techniq Your Plant may be over lookin PFAS Regulations Impact on t Future of Land Application Benefits of Partnering to Red | d: PDHs 8/13/24 7:53 8/13/24 9:10 Les 8/13/24 10:45 g | Total 8/13/24 9:00 8/13/24 10:17 8/13/24 11:41 8/13/24 13:55 | 1:06 1:06 0:55 | 1.0 | 1.0 | 1.0 1.0 1.0 | 1.0 1.0 1.0 |
| Credits Requeste Welcome & Keynote Address Workforce Development Roundtable Critical Maintenance Techniq Your Plant may be over lookin PFAS Regulations Impact on t Future of Land Application Benefits of Partnering to Red Inflow and Infiltration | d: PDHs 8/13/24 7:53 8/13/24 9:10 Les 8/13/24 10:45 g the 8/13/24 13:30 uce 8/13/24 15:03 8/13/24 16:01 | Total 8/13/24 9:00 8/13/24 10:17 8/13/24 11:41 8/13/24 13:55 8/13/24 15:25 | 1:06 1:06 0:55 0:25 | 1.0 | 1.0 | 1.0 1.0 1.0 0.5 | 1.0 1.0 1.0 0.5 |
| Credits Requeste Welcome & Keynote Address Workforce Development Roundtable Critical Maintenance Techniq Your Plant may be over lookin PFAS Regulations Impact on t Future of Land Application Benefits of Partnering to Red Inflow and Infiltration IDEM Update Adapt and Overcome: Challenges of Rehabilitating a | d: PDHs 8/13/24 7:53 8/13/24 9:10 Les 8/13/24 10:45 g he 8/13/24 13:30 Luce 8/13/24 15:03 8/13/24 16:01 8/14/24 7:59 | Total 8/13/24 9:00 8/13/24 10:17 8/13/24 11:41 8/13/24 13:55 8/13/24 15:25 8/13/24 16:27 | 1:06 1:06 0:55 0:25 0:22 | 1.0 0.5 0.5 | 1.0 | 1.0 1.0 1.0 0.5 0.5 | 1.0 1.0 1.0 0.5 0.5 |
| Credits Requeste Welcome & Keynote Address Workforce Development Roundtable Critical Maintenance Techniq Your Plant may be over lookin PFAS Regulations Impact on t Future of Land Application Benefits of Partnering to Red Inflow and Infiltration IDEM Update Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | d: PDHs 8/13/24 7:53 8/13/24 9:10 Les 8/13/24 10:45 g he 8/13/24 13:30 Luce 8/13/24 15:03 8/13/24 16:01 8/14/24 7:59 8/14/24 8:27 to 8/14/24 9:30 | Total 8/13/24 9:00 8/13/24 10:17 8/13/24 11:41 8/13/24 13:55 8/13/24 15:25 8/13/24 16:27 8/14/24 8:25 | 1:06 1:06 0:55 0:25 0:22 0:25 | 1.0 0.5 0.5 | 1.0 | 1.0 1.0 1.0 0.5 0.5 0.5 | 1.0 1.0 1.0 0.5 0.5 0.5 |

| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:29 | 8/14/24 11:05 | 0:36 | 0.5 | | 0.5 | 0.5 |
|------------------|---|---------------|---------------|---------------|-----|-----|------|------|
| | 21ST Century FOG Management | 8/14/24 13:32 | 8/14/24 13:59 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:05 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| Flanagan, Daniel | | | | | | | | |
| | Credits Requested: Wastev | vater | Total C | redits Earned | 6.5 | 4.0 | 10.5 | 10.5 |
| | Welcome & Keynote Address | 8/13/24 7:58 | 8/13/24 9:00 | 1:01 | | 1.0 | 1.0 | 1.0 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:40 | 8/13/24 11:41 | 1:01 | 1.0 | | 1.0 | 1.0 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:29 | 8/13/24 13:55 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:03 | 8/13/24 14:32 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:58 | 8/13/24 15:25 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 15:58 | 8/13/24 16:29 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:29 | 8/13/24 16:56 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:27 | 8/14/24 9:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:33 | 8/14/24 10:00 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:04 | 8/14/24 10:59 | 0:55 | | 1.0 | 1.0 | 1.0 |
| | 50 Years Later and SND Still Works | 8/14/24 13:31 | 8/14/24 14:00 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:03 | 8/14/24 14:35 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Adaptive mixing and process optimization with energy savings | 8/14/24 15:23 | 8/14/24 15:50 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:51 | 8/14/24 16:26 | 0:34 | 0.5 | | 0.5 | 0.5 |

| Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:27 | 8/14/24 16:55 | 0:27 | 0.5 | | 0.5 | 0.5 |
|--|--|---|--|--|---|---|---|
| Electrical Safety for Wastewater Operators and Maintenance Personnel | 8/15/24 7:53 | 8/15/24 8:30 | 0:37 | | 0.5 | 0.5 | 0.5 |
| Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:34 | 8/15/24 9:37 | 1:03 | 1.0 | | 1.0 | 1.0 |
| | | | | | | | |
| Credits Requested: PDHs | | Total C | redits Earned | 0.5 | 5.5 | 6.0 | 6.0 |
| Operator Certification Update | 8/13/24 10:31 | 8/13/24 11:07 | 0:35 | | 0.5 | 0.5 | 0.5 |
| Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap | 8/13/24 11:09 | 8/13/24 11:42 | 0:33 | | 0.5 | 0.5 | 0.5 |
| Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks | 8/13/24 13:24 | 8/13/24 13:52 | 0:28 | | 0.5 | 0.5 | 0.5 |
| Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | 8/13/24 13:59 | 8/13/24 14:29 | 0:29 | | 0.5 | 0.5 | 0.5 |
| Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:53 | 8/13/24 15:25 | 0:32 | 0.5 | | 0.5 | 0.5 |
| Rate inequity: are your residents subsidizing the growth in your community? | 8/14/24 9:33 | 8/14/24 10:30 | 0:57 | | 1.0 | 1.0 | 1.0 |
| Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:30 | 8/14/24 11:02 | 0:32 | | 0.5 | 0.5 | 0.5 |
| Ethics in Engineering | 8/14/24 13:20 | 8/14/24 14:30 | 1:10 | | 1.0 | 1.0 | 1.0 |
| Indiana Law and Statutes | 8/14/24 15:17 | 8/14/24 16:21 | 1:04 | | 1.0 | 1.0 | 1.0 |
| 2 11 2 | | | | 0.5 | 0.5 | 12.0 | 10.0 |
| Credits Requested: Wastev | | | | 9.5 | | | 12.0 |
| Welcome & Keynote Address | 8/13/24 8:02 | 8/13/24 9:00 | 0:57 | | 1.0 | 1.0 | 1.0 |
| Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:31 | 8/13/24 11:10 | 0:38 | 0.5 | | 0.5 | 0.5 |
| In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:12 | 8/13/24 11:47 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:23 | 8/13/24 13:56 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Ten Gallons of Pump Station in a Five Gallon Bucket Electrical Safety for Wastewater Operators and Maintenance Personnel Informed Decision-Making for Electrical and Controls Systems Credits Requested: PDHs Operator Certification Update Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis Benefits of Partnering to Reduce Inflow and Infiltration Rate inequity: are your residents subsidizing the growth in your community? Unveiling the Power of Regionalization: A Strategic Approach for Success Ethics in Engineering Indiana Law and Statutes Credits Requested: Wastew Welcome & Keynote Address Conversion of an underutilized combined sewer to a storm sewer In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana Peracetic Acid for Wastewater Disinfection & The Benefits to | Ten Gallons of Pump Station in a Five Gallon Bucket Electrical Safety for Wastewater Operators and Maintenance Personnel Informed Decision-Making for Electrical and Controls Systems Credits Requested: PDHs Operator Certification Update 8/13/24 10:31 Advancing Better Water Policy and Strategies: The Indiana 8/13/24 11:09 Water Summit and Roadmap Eliminating the Spreadsheet Safaris: Crafting Calculation 8/13/24 13:24 Workbooks Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis Benefits of Partnering to Reduce 8/13/24 14:53 Inflow and Infiltration Rate inequity: are your residents subsidizing the growth in your community? Unwelling the Power of Regionalization: A Strategic 8/14/24 10:30 Approach for Success Ethics in Engineering 8/14/24 13:20 Indiana Law and Statutes 8/13/24 10:31 sewer In Case of Emergency: Keeping 8/13/24 10:31 sewer In Case of Emergency: Keeping 8/13/24 13:23 In Case of Emergency: Keeping Safely in Indianapolis, Indiana Peracetic Acid for Wastewater Disinfection & The Benefits to 8/13/24 13:23 | Ten Gallons of Pump Station in a Five Gallon Bucket Electrical Safety for Wastewater Operators and Maintenance Personnel Informed Decision-Making for Electrical and Controls Systems Credits Requested: PDHs Credits Requested: PDHs Total C Operator Certification Update Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis Benefits of Partnering to Reduce Inflow and Infiltration Rate inequity: are your residents subsidizing the growth in your community? Unveiling the Power of Regionalization: A Strategic Approach for Success Ethics in Engineering 8/13/24 13:27 Rate inequity: are your assidents 8/14/24 13:20 8/14/24 13:30 8/14/24 13:30 8/14/24 13:30 8/14/24 13:30 8/14/24 13:30 8/14/24 13:30 8/14/24 13:30 8/14/24 13:30 8/14/24 13:30 8/14/24 13:30 8/14/24 13:30 8/14/24 13:30 8/14/24 13:30 8/14/24 13:30 8/14/24 13:30 8/14/24 13:30 8/14/24 13:30 | Ten Gallons of Pump Station in a Five Gallon Bucket Electrical Safety for Wastewater Operators and Maintenance Personnel Informed Decision-Making for Electrical and Controls Systems Number Systems Number | Ten Callons of Pump Station in a Five Gallon Bucket Electrical Safety for Wastewater Operators and Maintenance 8/15/24 7:53 8/15/24 8:30 0:37 Personnel Informed Decision-Making for Electrical and Controls Systems 8/15/24 8:34 8/15/24 9:37 1:03 1.0 Credits Requested: PDHs Total Credits Earned 0.5 Operator Certification Update 8/13/24 10:31 8/13/24 11:07 0:35 Advancing Better Water Policy and Strategies: The Indiana 8/13/24 11:09 8/13/24 11:42 0:33 Water Summit and Roadmap Eliminating the Spreadsheet Safaris: Crafting Calculation 8/13/24 13:24 8/13/24 13:52 0:28 Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis Benefits of Partnering to Reduce Inflow and Infiltration Rate inequity: are your residents subsidizing the growth in your 8/14/24 9:33 8/13/24 10:30 0:57 Communication & Strategic 8/14/24 9:33 8/14/24 10:30 0:57 Unveiling the Power of Regionalization: A Strategic 8/14/24 10:30 8/14/24 10:30 0:57 Credits Requested: Wastewater 8/14/24 10:30 8/14/24 11:02 0:32 Approach for Success Ethics in Engineering 8/14/24 13:20 8/14/24 10:30 1:10 Indiana Law and Statutes 8/14/24 13:20 8/14/24 10:30 0:57 Cremersion of an underutilized combined sever to a storm 8/13/24 10:31 8/13/24 11:47 0:35 0.5 Conversion of an underutilized combined sever to a storm 8/13/24 10:31 8/13/24 11:47 0:35 0.5 Stormwater and Traffic Flowing Safely in Indianapolis, Indiana Peracetic Acid for Wastewater Disinfection & The Benefits to 8/13/24 13:23 8/13/24 13:56 0:33 0.5 | Tem Gallons of Pump Station in a F14/24 16:27 8/14/24 16:55 0:27 0.5 a F16 Gallon Busket Electrical Safety for Wastewater Operators and Maintenance 8/15/24 7:53 8/15/24 8:30 0:37 0.5 ePersonnel informed Decision-Making for 8/15/24 8:34 8/15/24 9:37 1:03 1.0 electrical and Controls Systems Credits Requested: PDHs Total Credits Earned 0.5 5.5 | Ten Gallons of Pamp Station in 8/14/24 16:27 8/14/24 16:55 0:27 0.5 0.5 a Fix Gallons Buschet Electrical Safety for Wastewater Operators and Maintenance 8/15/24 7:53 8/15/24 8:30 0:37 0.5 0.5 0.5 personnel Informed Decision-Making for Electrical and Chorlots Systems 8/15/24 8:34 8/15/24 9:37 1:03 1:0 1:0 1:0 1:0 1:0 1:0 1:0 1:0 1:0 1:0 |

| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:00 | 8/13/24 14:26 | 0:25 | 0.5 | | 0.5 | 0.5 |
|---------------|--|---------------|---------------|---------------|-----|-----|------|------|
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 15:06 | 8/13/24 15:25 | 0:19 | 0.5 | | 0.5 | 0.5 |
| | Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 16:00 | 8/13/24 16:55 | 0:54 | 1.0 | | 1.0 | 1.0 |
| | Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:56 | 8/14/24 8:25 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:28 | 8/14/24 9:00 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:34 | 8/14/24 10:00 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:04 | 8/14/24 10:59 | 0:54 | | 1.0 | 1.0 | 1.0 |
| | 50 Years Later and SND Still Works | 8/14/24 13:32 | 8/14/24 14:00 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:05 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:16 | 8/14/24 15:55 | 0:38 | | 0.5 | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:58 | 8/14/24 16:26 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:27 | 8/14/24 16:55 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Ultra-Low Phosphorus Limits | 8/15/24 7:54 | 8/15/24 8:30 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:32 | 8/15/24 9:37 | 1:05 | 1.0 | | 1.0 | 1.0 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:43 | 8/15/24 10:15 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:12 | 8/15/24 10:45 | 0:33 | 0.5 | | 0.5 | 0.5 |
| Fletcher, Jim | | | | | | 0.5 | 100 | |
| | Credits Requested: Wastev | vater | Total C | redits Earned | 9.5 | 0.5 | 10.0 | 10.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:30 | 8/13/24 11:10 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:08 | 8/13/24 11:47 | 0:39 | 0.5 | | 0.5 | 0.5 |

| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:14 | 8/13/24 13:55 | 0:40 | 0.5 | | 0.5 | 0.5 |
|-------|---|---------------|---------------|---------------|-----|-----|------|------|
| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 13:59 | 8/13/24 14:25 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:53 | 8/13/24 15:26 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Out In The Field Not In A Book | 8/14/24 8:00 | 8/14/24 8:56 | 0:56 | 1.0 | | 1.0 | 1.0 |
| | Water Treatment Regulatory Terms & Definitions | 8/14/24 9:23 | 8/14/24 9:59 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Challenges In The Field | 8/14/24 10:01 | 8/14/24 10:55 | 0:54 | 1.0 | | 1.0 | 1.0 |
| | 50 Years Later and SND Still Works | 8/14/24 13:25 | 8/14/24 14:00 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:05 | 8/14/24 14:30 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Adaptive mixing and process optimization with energy savings | 8/14/24 15:17 | 8/14/24 15:50 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Tips for Labs that you may not know | 8/15/24 7:54 | 8/15/24 8:30 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Emergency Preparedness and Procedures | 8/15/24 8:33 | 8/15/24 9:10 | 0:37 | | 0.5 | 0.5 | 0.5 |
| | Flexing Your Procurement Muscle | 8/15/24 9:07 | 8/15/24 9:37 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Basics of pH | 8/15/24 9:43 | 8/15/24 10:15 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | A case for better lab results | 8/15/24 10:17 | 8/15/24 10:47 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories | 8/15/24 10:56 | 8/15/24 11:55 | 0:58 | 1.0 | | 1.0 | 1.0 |
| Erika | | | | | | | | |
| | Credits Requested: Waster | | | redits Earned | 5.5 | 5.0 | 10.5 | 10.5 |
| | Welcome & Keynote Address | 8/13/24 7:59 | 8/13/24 9:00 | 1:00 | | 1.0 | 1.0 | 1.0 |
| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:39 | 8/13/24 11:40 | 1:00 | 1.0 | | 1.0 | 1.0 |
| | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks | 8/13/24 13:20 | 8/13/24 13:52 | 0:31 | | 0.5 | 0.5 | 0.5 |

| | Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | 8/13/24 14:04 | 8/13/24 14:29 | 0:25 | | 0.5 | 0.5 | 0.5 |
|-------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 14:56 | 8/13/24 15:26 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 15:58 | 8/13/24 16:29 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:29 | 8/13/24 16:56 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:36 | 8/14/24 10:05 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | 50 Years Later and SND Still Works | 8/14/24 13:28 | 8/14/24 14:00 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | IU Permits and Applying the Combined Wastestream Formula | 8/14/24 14:06 | 8/14/24 14:35 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Getting the Next Generation Excited about Wastewater | 8/14/24 16:00 | 8/14/24 16:25 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Leading Change | 8/14/24 16:29 | 8/14/24 16:58 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Tips for Labs that you may not know | 8/15/24 7:53 | 8/15/24 8:30 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | IWEA WASTEWATER LABORATORY ANALYST CERTIFICATION | 8/15/24 8:35 | 8/15/24 9:00 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Flexing Your Procurement Muscle | 8/15/24 9:09 | 8/15/24 9:37 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Basics of pH | 8/15/24 9:46 | 8/15/24 10:15 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | A case for better lab results | 8/15/24 10:19 | 8/15/24 10:47 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories | 8/15/24 10:57 | 8/15/24 11:55 | 0:58 | 1.0 | | 1.0 | 1.0 |
| e, Angela | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 0.0 | 1.0 | 1.0 | 1.0 |
| | Welcome & Keynote Address | 8/13/24 8:05 | 8/13/24 9:00 | 0:54 | | 1.0 | 1.0 | 1.0 |
| rler, Jacob | Credits Requested: | | Total C | redits Earned | 2.5 | 3.5 | 6.0 | 6.0 |
| | Welcome & Keynote Address | 8/13/24 7:49 | 8/13/24 9:00 | 1:11 | | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:11 | 1:00 | | 1.0 | 1.0 | 1.0 |
| | - | | | | | | | |

| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:37 | 8/13/24 11:10 | 0:32 | 0.5 | | 0.5 | 0.5 |
|-------------|--|---------------|---------------|---------------|-----|-----|-----|-----|
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:30 | 8/13/24 14:00 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:02 | 8/13/24 14:32 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:58 | 8/13/24 15:25 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:56 | 8/13/24 16:26 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:57 | 8/14/24 8:25 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Using Al, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:29 | 8/14/24 10:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:35 | 8/14/24 14:00 | 0:25 | 0.5 | | 0.5 | 0.5 |
| Fox, Daniel | | | | | | | | |
| | Credits Requested: | | | redits Earned | 0.0 | 1.0 | 1.0 | 1.0 |
| F. I. | Welcome & Keynote Address | 8/13/24 7:59 | 8/13/24 9:00 | 1:00 | | 1.0 | 1.0 | 1.0 |
| Foy, Joe | Credits Requested: PDHs | | Total C | redits Earned | 1.5 | 3.0 | 4.5 | 4.5 |
| | Welcome & Keynote Address | 8/13/24 7:48 | 8/13/24 9:00 | 1:11 | | 1.0 | 1.0 | 1.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:43 | 8/13/24 11:10 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:09 | 8/13/24 11:47 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:29 | 8/13/24 14:00 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:02 | 8/13/24 14:32 | 0:29 | | 0.5 | 0.5 | 0.5 |

| | Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures | 8/13/24 14:58 | 8/13/24 15:25 | 0:27 | 0.5 | | 0.5 | 0.5 |
|----------------|--|---------------|---------------|---------------|-----|-----|-----|-----|
| | IDEM Update | 8/13/24 15:54 | 8/13/24 16:26 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:30 | 8/13/24 16:56 | 0:25 | | 0.5 | 0.5 | 0.5 |
| Franz, Chris | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 2.5 | 4.0 | 6.5 | 6.5 |
| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:36 | 8/13/24 11:40 | 1:03 | 1.0 | | 1.0 | 1.0 |
| | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks | 8/13/24 13:26 | 8/13/24 13:52 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:03 | 8/13/24 14:32 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:59 | 8/13/24 15:26 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:58 | 8/13/24 16:26 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:04 | 8/14/24 10:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:31 | 8/14/24 11:02 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | Ethics in Engineering | 8/14/24 13:28 | 8/14/24 14:30 | 1:02 | | 1.0 | 1.0 | 1.0 |
| | Indiana Law and Statutes | 8/14/24 15:15 | 8/14/24 16:21 | 1:06 | | 1.0 | 1.0 | 1.0 |
| | Enhancing the absorption capacity of GAC to remove PFAS from water | 8/14/24 16:24 | 8/14/24 16:55 | 0:30 | 0.5 | | 0.5 | 0.5 |
| rauhiger, Todd | | | | | | | | |
| | Credits Requested: PDHs | | Total C | redits Earned | 0.0 | 3.0 | 3.0 | 3.0 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:27 | 8/13/24 14:00 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:03 | 8/13/24 14:32 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Ethics in Engineering | 8/14/24 12:55 | 8/14/24 14:30 | 1:35 | | 1.0 | 1.0 | 1.0 |
| | Indiana Law and Statutes | 8/14/24 15:07 | 8/14/24 16:21 | 1:14 | | 1.0 | 1.0 | 1.0 |

| | Credits Requested: | | Total C | redits Earned | 1.0 | 1.0 | 2.0 | 2.0 |
|----------------|---|---------------|---------------|----------------|-----|-----|-----|-----|
| | Electrical Safety for Wastewater Operators and Maintenance Personnel | 8/15/24 7:59 | 8/15/24 8:30 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | Emergency Preparedness and Procedures | 8/15/24 8:33 | 8/15/24 9:10 | 0:36 | | 0.5 | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:08 | 8/15/24 9:40 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:42 | 8/15/24 10:15 | 0:32 | 0.5 | | 0.5 | 0.5 |
| Furiak, Andrea | Credits Requested: Wastev | vater | Total C | redits Earned | 3.0 | 1.5 | 4.5 | 4.5 |
| | · · | vatei | iotaic | realts Lairieu | 5.0 | 1.0 | 7.5 | 7.5 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:25 | 8/13/24 13:56 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:00 | 8/13/24 14:26 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures | 8/13/24 14:57 | 8/13/24 15:25 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:56 | 8/13/24 16:26 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | Water Treatment Regulatory Terms & Definitions | 8/14/24 9:25 | 8/14/24 9:59 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Challenges In The Field | 8/14/24 10:03 | 8/14/24 10:55 | 0:52 | 1.0 | | 1.0 | 1.0 |
| | Water and Wastewater Workforce Development – Is your community ready for the challenge? | 8/14/24 13:25 | 8/14/24 14:30 | 1:05 | | 1.0 | 1.0 | 1.0 |
| Furniss, Abbie | Credits Requested: | | Total C | redits Earned | 1.0 | 4.5 | 5.5 | 5.5 |
| | Welcome & Keynote Address | 8/13/24 7:59 | 8/13/24 9:00 | 1:00 | | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:17 | 1:06 | | 1.0 | 1.0 | 1.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:35 | 8/13/24 11:10 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:09 | 8/13/24 11:47 | 0:38 | 0.5 | | 0.5 | 0.5 |

| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:29 | 8/13/24 14:00 | 0:31 | | 0.5 | 0.5 | 0.5 |
|----------------|---|---------------|---------------|----------------|------|-----|------|------|
| | Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | 8/13/24 13:58 | 8/13/24 14:29 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 14:55 | 8/13/24 15:26 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:51 | 8/13/24 16:26 | 0:35 | | 0.5 | 0.5 | 0.5 |
| | Forecasting Urban Water Escherichia coli Contamination Using Machine Learning Models | 8/13/24 16:28 | 8/13/24 17:00 | 0:32 | | 0.5 | 0.5 | 0.5 |
| Fussell, Jerry | Cradita Paguastad: Drinkir | a Motor | Total C | Credits Earned | 11.0 | 2.5 | 13.0 | 13.0 |
| | Credits Requested: Drinking Welcome & Keynote Address | 8/13/24 7:56 | 8/13/24 9:00 | 1:03 | 11.0 | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:17 | 1:06 | | 1.0 | 1.0 | 1.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:39 | 8/13/24 11:10 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:07 | 8/13/24 11:47 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:26 | 8/13/24 13:55 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 14:01 | 8/13/24 14:28 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:57 | 8/13/24 15:26 | 0:28 | 0.5 | | 0.0 | 0.0 |
| | The Danish story of using low- hanging-fruit to reduce energy, carbon, and resourcesgy and carbon | 8/13/24 16:01 | 8/13/24 16:55 | 0:54 | 1.0 | | 1.0 | 1.0 |
| | Out In The Field Not In A Book | 8/14/24 8:00 | 8/14/24 8:56 | 0:56 | 1.0 | | 1.0 | 1.0 |
| | | | • | | | | | |

| Hydraulic Modeling - What is it good for? | 8/14/24 8:53 | 8/14/24 9:00 | 0:07 | 0.0 | | 0.0 | 0.0 |
|--|---|---|--|--|--|----------------------------------|--|
| WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:35 | 8/14/24 10:00 | 0:24 | 0.5 | | 0.5 | 0.5 |
| Challenges In The Field | 8/14/24 10:04 | 8/14/24 10:56 | 0:51 | 1.0 | | 1.0 | 1.0 |
| 21ST Century FOG Management | 8/14/24 13:27 | 8/14/24 13:59 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:06 | 8/14/24 14:35 | 0:29 | 0.5 | | 0.5 | 0.5 |
| Enforcement Response Plan, Violations, and Significant Non- Compliance | 8/14/24 15:14 | 8/14/24 16:14 | 1:00 | 1.0 | | 1.0 | 1.0 |
| Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:32 | 8/15/24 9:37 | 1:05 | 1.0 | | 1.0 | 1.0 |
| Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:43 | 8/15/24 10:15 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Keeping pace with current dynamic state of UV disinfection. An overview of different style UV systems, and what are the drivers when picking between technologies. | 8/15/24 10:24 | 8/15/24 11:30 | 1:06 | 1.0 | | 1.0 | 1.0 |
| Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 11:00 | 8/15/24 11:25 | 0:25 | | 0.5 | 0.5 | 0.5 |
| Grit Happens - Sustainable Solutions for Grit Management At WWTPs | 8/15/24 11:26 | 8/15/24 11:55 | 0:29 | 0.5 | | 0.5 | 0.5 |
| Credits Requested: Waster | vater | Total C | redits Earned | 2.5 | 0.0 | 2.5 | 2.5 |
| PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:19 | 8/13/24 13:55 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:51 | 8/14/24 8:25 | 0:34 | 0.5 | | 0.5 | 0.5 |
| WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:30 | 8/14/24 10:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| 50 Years Later and SND Still Works | 8/14/24 13:27 | 8/14/24 14:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| Adaptive mixing and process optimization with energy savings | 8/14/24 15:16 | 8/14/24 15:50 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | good for? WWTP Non-Potable Water Systems – The Neglected Plant Process Challenges In The Field 21ST Century FOG Management Requirements vs. Reality - Design Capacity Compared to Real World Observations Enforcement Response Plan, Violations, and Significant Non- Compliance Informed Decision-Making for Electrical and Controls Systems Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges Keeping pace with current dynamic state of UV disinfection. An overview of different style UV systems, and what are the drivers when picking between technologies. Contrasting Design Considerations: Municipal Vs Industrial WWTPs Grit Happens - Sustainable Solutions for Grit Management At WWTPs Credits Requested: Wastev PFAS Regulations Impact on the Future of Land Application Energy Efficient Retrofits of Oxidation ditches WWTP Non-Potable Water Systems – The Neglected Plant Process 50 Years Later and SND Still Works Adaptive mixing and process optimization with energy | good for? WWTP Non-Potable Water Systems – The Neglected Plant Process Challenges In The Field 8/14/24 13:27 21ST Century FOG Management Requirements vs. Reality - Design Capacity Compared to Real World Observations Enforcement Response Plan, Violations, and Significant Non- Compliance Informed Decision-Making for Electrical and Controls Systems Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges Keeping pace with current dynamic state of UV disinfection. An overview of different style UV systems, and what are the drivers when picking between technologies. Contrasting Design Considerations: Municipal Vs Industrial WWTPs Grit Happens - Sustainable Solutions for Grit Management At WWTPs Credits Requested: Wastewater PFAS Regulations Impact on the Future of Land Application Energy Efficient Retrofits of Oxidation ditches WWTP Non-Potable Water Systems – The Neglected Plant Process 50 Years Later and SND Still Works Adaptive mixing and process optimization with energy 8/14/24 15:16 | WWTP Non-Potable Water S/14/24 10:00 S/14/24 10:00 S/14/24 10:00 Process Challenges in The Field S/14/24 10:04 S/14/24 10:56 | WWTF Non-Potable Water Systems - The Neglected Plant Systems - Systems - Systems - The Neglected Plant Systems - Systems - The Neglected Plant Systems - Systems - Systems - The Neglected Plant Systems - Systems - Systems - The Neglected Plant Systems - Systems - Systems - The Neglected Plant Systems - Systems - The Neglected Plant Systems - Systems - Systems - The Neglected Plant Systems - Systems - The Neglected Plant Systems - Systems - Systems - The Neglected Plant Systems - Systems - Systems - The Neglected Plant Systems - Systems - Systems - The Neglected Plant Systems - Systems - Systems - The Neglected Plant Systems - Systems - Systems - The Neglected Plant Systems - Systems | good for? WWTP Non-Potable Water Systems—The Neglected Plant Process Challenges in The Field 8/14/24 10:04 8/14/24 10:05 Challenges in The Field 8/14/24 13:27 8/14/24 10:05 Challenges in The Field 8/14/24 13:27 8/14/24 13:59 0:31 0.5 Requirements vs. Reality- Design Capacity Compared to Real World Observations Enforcement Response Plan, Violations, and Significant Non- Compliance Informed Decision-Making for Electrical and Controls Systems Keeping Your Clarifiers Happy: Solutions for Variable Flow 8/15/24 9:43 8/15/24 9:43 8/15/24 10:15 0:31 0.5 Challenges Keeping pace with current dynamic state of UV disinfercion. An overview of different style UV systems, and what are the drivers when picking between technologies. Contrasting Design Considerations: Municipal Vs Industrial WWTPs Credits Requested: Wastewater Process Fratal Credits Earned 8/15/24 13:19 8/15/24 13:55 0:29 0.5 8/15/24 13:09 0.5 8/15/24 10:00 8/15/24 11:00 8/15/24 11:05 0:25 0:25 Industrial WWTPs Credits Requested: Wastewater Total Credits Earned 2.5 PrAS Regulations Impact on the Future of Land Application 8/14/24 7:51 8/14/24 13:27 8/14/24 13:50 0:30 0:5 0:5 0:4 0:5 0:4 0:5 0:30 0:5 0:5 0:4 0:5 0:4 0:5 0:4 0:5 0:5 | WWTP Non-Potable Water Systems | Second for? Second for Seco |

| Gaffin, Lance | | | | | | | | |
|-------------------|---|---------------|---------------|----------------|-----|-----|-----|-----|
| | Credits Requested: | | Total C | Credits Earned | 0.5 | 0.0 | 0.5 | 0.5 |
| | 50 Years Later and SND Still Works | 8/14/24 13:35 | 8/14/24 14:02 | 0:27 | 0.5 | | 0.5 | 0.5 |
| Gaines, Scott | | | | | | | | |
| | Credits Requested: | | Total C | Credits Earned | 0.5 | 0.0 | 0.5 | 0.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:26 | 8/14/24 10:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| Gangstad, Michael | | | | | | | | |
| | Credits Requested: PDHs | | Total C | redits Earned | 1.0 | 4.0 | 5.0 | 5.0 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:26 | 8/13/24 14:00 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:02 | 8/13/24 14:32 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:54 | 8/13/24 15:26 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:58 | 8/13/24 16:26 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:31 | 8/13/24 16:58 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:36 | 8/14/24 11:05 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Ethics in Engineering | 8/14/24 13:21 | 8/14/24 14:30 | 1:09 | | 1.0 | 1.0 | 1.0 |
| | Indiana Law and Statutes | 8/14/24 15:16 | 8/14/24 16:21 | 1:05 | | 1.0 | 1.0 | 1.0 |
| Gansemer, Ryan | | | | | | | | |
| | Credits Requested: PDHs | | Total C | redits Earned | 1.5 | 1.0 | 2.5 | 2.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:30 | 8/14/24 10:00 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:27 | 8/14/24 14:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:02 | 8/14/24 14:30 | 0:27 | 0.5 | | 0.5 | 0.5 |

| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:12 | 8/14/24 15:55 | 0:42 | | 0.5 | 0.5 | 0.5 |
|-----------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | Getting the Next Generation Excited about Wastewater | 8/14/24 15:57 | 8/14/24 16:25 | 0:28 | | 0.5 | 0.5 | 0.5 |
| Gard, Jeff | | | | | | | | _ |
| | Credits Requested: | | Total C | redits Earned | 0.0 | 1.0 | 1.0 | 1.0 |
| | Welcome & Keynote Address | 8/13/24 7:59 | 8/13/24 9:00 | 1:00 | | 1.0 | 1.0 | 1.0 |
| Garner, Matthew | | | | | | | | |
| | Credits Requested: Waster | water | Total C | redits Earned | 4.5 | 0.0 | 4.5 | 4.5 |
| | Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:58 | 8/14/24 8:25 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:28 | 8/14/24 10:00 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:39 | 8/14/24 11:05 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:27 | 8/14/24 14:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:03 | 8/14/24 14:30 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Adaptive mixing and process optimization with energy savings | 8/14/24 15:17 | 8/14/24 15:50 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Ultra-Low Phosphorus Limits | 8/15/24 7:56 | 8/15/24 8:30 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:35 | 8/15/24 9:37 | 1:02 | 1.0 | | 1.0 | 1.0 |
| Garnes, Gregory | | | | | | | | |
| | Credits Requested: PDHs | | Total C | redits Earned | 3.0 | 1.0 | 4.0 | 4.0 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:29 | 8/13/24 14:00 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:00 | 8/13/24 14:26 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:58 | 8/13/24 15:26 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | 50 Years Later and SND Still Works | 8/14/24 13:33 | 8/14/24 14:00 | 0:27 | 0.5 | | 0.5 | 0.5 |

| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:05 | 8/14/24 14:35 | 0:29 | 0.5 | | 0.5 | 0.5 |
|---------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | Adaptive mixing and process optimization with energy savings | 8/14/24 15:22 | 8/14/24 15:50 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Getting the Next Generation Excited about Wastewater | 8/14/24 15:58 | 8/14/24 16:25 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:31 | 8/14/24 16:58 | 0:26 | 0.5 | | 0.5 | 0.5 |
| Garvey, James | Condito Degranate de 2001 | | Tatal C | redits Earned | 1.5 | 2.0 | 3.5 | 3.5 |
| | Credits Requested: PDHs | | Iotai C | redits Earned | 1.5 | 2.0 | 3.5 | 3.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:39 | 8/14/24 10:05 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:05 | 8/14/24 10:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:33 | 8/14/24 11:05 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Ethics in Engineering | 8/14/24 13:28 | 8/14/24 14:30 | 1:02 | | 1.0 | 1.0 | 1.0 |
| | Indiana Law and Statutes | 8/14/24 15:21 | 8/14/24 16:21 | 1:00 | | 1.0 | 1.0 | 1.0 |
| Garvey, Kate | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 3.5 | 2.0 | 5.5 | 5.5 |
| | Welcome & Keynote Address | 8/13/24 7:59 | 8/13/24 9:00 | 1:01 | | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:17 | 1:06 | | 1.0 | 1.0 | 1.0 |
| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:36 | 8/13/24 11:37 | 1:01 | 1.0 | | 1.0 | 1.0 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:15 | 8/13/24 13:55 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 14:04 | 8/13/24 14:30 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 15:01 | 8/13/24 15:26 | 0:25 | 0.5 | | 0.5 | 0.5 |

| | The Danish story of using low- hanging-fruit to reduce energy, carbon, and resourcesgy and carbon | 8/13/24 15:54 | 8/13/24 16:55 | 1:01 | 1.0 | | 1.0 | 1.0 |
|---------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| Gasvoda, Brad | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 0.5 | 0.0 | 0.5 | 0.5 |
| | Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:52 | 8/14/24 8:25 | 0:33 | 0.5 | | 0.5 | 0.5 |
| George, Tim | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 0.5 | 1.5 | 2.0 | 2.0 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:39 | 8/14/24 10:05 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:34 | 8/14/24 11:02 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Water and Wastewater Workforce Development – Is your community ready for the challenge? | 8/14/24 13:28 | 8/14/24 14:30 | 1:02 | | 1.0 | 1.0 | 1.0 |
| Gerber, Gale | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 0.0 | 1.0 | 1.0 | 1.0 |
| | Welcome & Keynote Address | 8/13/24 7:50 | 8/13/24 9:00 | 1:09 | | 1.0 | 1.0 | 1.0 |
| Getz, Ashley | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 1.0 | 0.0 | 1.0 | 1.0 |
| | Mastering the Art of Master Planning | 8/14/24 7:46 | 8/14/24 9:00 | 1:13 | 1.0 | | 1.0 | 1.0 |
| Gibson, Jay | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 1.5 | 0.0 | 1.5 | 1.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:39 | 8/14/24 10:05 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:02 | 8/14/24 10:35 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:28 | 8/14/24 11:05 | 0:37 | 0.5 | | 0.5 | 0.5 |
| Gibson, Lucas | | | | 12. = . | 0.0 | 4.0 | 1.0 | 1.0 |
| | Credits Requested: | | | redits Earned | 0.0 | 1.0 | 1.0 | 1.0 |
| Gill, Charles | Welcome & Keynote Address | 8/13/24 8:09 | 8/13/24 9:00 | 0:50 | | 1.0 | 1.0 | 1.0 |
| diii, Charles | Credits Requested: | | Total C | redits Earned | 1.5 | 3.5 | 5.0 | 5.0 |
| | | | | | | | | |

| | Welcome & Keynote Address | 8/13/24 7:58 | 8/13/24 9:00 | 1:01 | | 1.0 | 1.0 | 1.0 |
|----------------|--|---------------|---------------|---------------|-----|-----|-----|-----|
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:11 | 1:00 | | 1.0 | 1.0 | 1.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:31 | 8/13/24 11:10 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:08 | 8/13/24 11:47 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap | 8/13/24 11:14 | 8/13/24 11:42 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:28 | 8/13/24 13:55 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:13 | 8/14/24 15:55 | 0:41 | | 0.5 | 0.5 | 0.5 |
| | Leading Change | 8/14/24 16:29 | 8/14/24 16:58 | 0:29 | | 0.5 | 0.5 | 0.5 |
| irdham, Baylee | Credits Requested: PDHs | | Total C | redits Earned | 3.5 | 4.5 | 8.0 | 8.0 |
| | Welcome & Keynote Address | 8/13/24 7:50 | 8/13/24 9:00 | 1:09 | | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:11 | 1:00 | | 1.0 | 1.0 | 1.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:37 | 8/13/24 11:10 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks | 8/13/24 13:31 | 8/13/24 13:57 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 14:58 | 8/13/24 15:26 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 15:56 | 8/13/24 16:29 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | Forecasting Urban Water Escherichia coli Contamination Using Machine Learning Models | 8/13/24 16:26 | 8/13/24 17:00 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | Mastering the Art of Master Planning | 8/14/24 7:58 | 8/14/24 9:00 | 1:02 | 1.0 | | 1.0 | 1.0 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:29 | 8/14/24 10:00 | 0:30 | 0.5 | | 0.5 | 0.5 |

| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:29 | 8/14/24 11:05 | 0:36 | 0.5 | | 0.5 | 0.5 |
|-----------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:26 | 8/14/24 14:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:15 | 8/14/24 15:55 | 0:39 | | 0.5 | 0.5 | 0.5 |
| | Enhancing the absorption capacity of GAC to remove PFAS from water | 8/14/24 16:29 | 8/14/24 16:55 | 0:26 | 0.5 | | 0.5 | 0.5 |
| Glessner, Bill | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 0.5 | 1.0 | 1.5 | 1.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:24 | 8/14/24 10:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Water and Wastewater Workforce Development – Is your community ready for the challenge? | 8/14/24 13:26 | 8/14/24 14:30 | 1:04 | | 1.0 | 1.0 | 1.0 |
| Glotzbach, Paul | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 5.0 | 1.5 | 6.5 | 6.5 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:30 | 8/14/24 9:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:32 | 8/14/24 10:00 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:07 | 8/14/24 10:59 | 0:51 | | 1.0 | 1.0 | 1.0 |
| | 50 Years Later and SND Still Works | 8/14/24 13:25 | 8/14/24 14:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:05 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Ultra-Low Phosphorus Limits | 8/15/24 7:54 | 8/15/24 8:30 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:34 | 8/15/24 9:37 | 1:03 | 1.0 | | 1.0 | 1.0 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:39 | 8/15/24 10:15 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:19 | 8/15/24 10:45 | 0:25 | 0.5 | | 0.5 | 0.5 |

| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:55 | 8/15/24 11:25 | 0:29 | | 0.5 | 0.5 | 0.5 |
|------------|--|---------------|---------------|---------------|-----|-----|-----|-----|
| | Grit Happens - Sustainable Solutions for Grit Management At WWTPs | 8/15/24 11:27 | 8/15/24 11:55 | 0:28 | 0.5 | | 0.5 | 0.5 |
| over, Jeff | | | | | | | | |
| | Credits Requested: PDHs | | Total C | redits Earned | 4.0 | 2.0 | 6.0 | 6.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:34 | 8/13/24 11:10 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:09 | 8/13/24 11:47 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:27 | 8/13/24 14:00 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | 8/13/24 13:58 | 8/13/24 14:29 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 15:02 | 8/13/24 15:25 | 0:22 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:53 | 8/13/24 16:26 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:31 | 8/13/24 16:56 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:31 | 8/14/24 14:00 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:02 | 8/14/24 14:30 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:20 | 8/14/24 15:55 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:58 | 8/14/24 16:26 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:27 | 8/14/24 16:55 | 0:27 | 0.5 | | 0.5 | 0.5 |
| f, Renee | | | | | | | | 5.0 |

| | Welcome & Keynote Address | 8/13/24 8:03 | 8/13/24 9:00 | 0:56 | | 1.0 | 1.0 | 1.0 |
|-------------------|--|---------------|---------------|---------------|-----|-----|-----|-----|
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:11 | 1:00 | | 1.0 | 1.0 | 1.0 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:57 | 8/14/24 8:25 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:24 | 8/14/24 9:00 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Using Al, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:36 | 8/14/24 10:05 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:01 | 8/14/24 10:35 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:30 | 8/14/24 15:55 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:52 | 8/14/24 16:26 | 0:34 | 0.5 | | 0.5 | 0.5 |
| Goldsberry, Leroy | Credits Requested: | | Total C | redits Earned | 5.5 | 2.5 | 8.0 | 8.0 |
| | Welcome & Keynote Address | 8/13/24 7:47 | 8/13/24 9:00 | 1:12 | | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:11 | 1:01 | | 1.0 | 1.0 | 1.0 |
| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:30 | 8/13/24 11:40 | 1:09 | 1.0 | | 1.0 | 1.0 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:30 | 8/13/24 13:55 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 15:00 | 8/13/24 15:25 | 0:24 | 0.5 | | 0.5 | 0.5 |
| | Mastering the Art of Master Planning | 8/14/24 7:47 | 8/14/24 9:00 | 1:13 | 1.0 | | 1.0 | 1.0 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:25 | 8/14/24 10:00 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:03 | 8/14/24 10:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | 21ST Century FOG Management | 8/14/24 13:16 | 8/14/24 13:59 | 0:42 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:05 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | IWEA WASTEWATER LABORATORY ANALYST CERTIFICATION | 8/15/24 8:34 | 8/15/24 9:01 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | CERTIFICATION | | | | | | | |

| z, Kenneth | Credits Requested: Waste | vater | Total C | redits Earned | 5.0 | 6.0 | 11.0 | 11.0 |
|------------|---|---------------|---------------|---------------|-----|-----|------|------|
| | Welcome & Keynote Address | 8/13/24 7:51 | 8/13/24 9:00 | 1:08 | 0.0 | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:11 | 1:00 | | 1.0 | 1.0 | 1.0 |
| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:35 | 8/13/24 11:40 | 1:05 | 1.0 | | 1.0 | 1.0 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:21 | 8/13/24 13:55 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:00 | 8/13/24 14:26 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:54 | 8/13/24 15:26 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:59 | 8/14/24 8:25 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:28 | 8/14/24 9:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Rate inequity: are your residents subsidizing the growth in your community? | 8/14/24 9:32 | 8/14/24 10:30 | 0:57 | | 1.0 | 1.0 | 1.0 |
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:35 | 8/14/24 11:03 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Water and Wastewater Workforce Development – Is your community ready for the challenge? | 8/14/24 13:25 | 8/14/24 14:30 | 1:04 | | 1.0 | 1.0 | 1.0 |
| | Adaptive mixing and process optimization with energy savings | 8/14/24 15:19 | 8/14/24 15:50 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Electrical Safety for Wastewater Operators and Maintenance Personnel | 8/15/24 7:58 | 8/15/24 8:30 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:34 | 8/15/24 9:37 | 1:03 | 1.0 | | 1.0 | 1.0 |
| | City of Kalamazoo's Holistic Approach to Selecting New Process Technologies | 8/15/24 9:43 | 8/15/24 10:50 | 1:07 | | 1.0 | 1.0 | 1.0 |
| ez, Omar | Credits Requested: Wastev | vater | Total C | redits Earned | 7.5 | 2.0 | 9.5 | 9.5 |
| | Welcome & Keynote Address | 8/13/24 7:56 | 8/13/24 9:00 | 1:03 | 7.0 | 1.0 | 1.0 | 1.0 |
| | Biosolids: Fail to Plan; Plan to | 8/13/24 10:29 | 8/13/24 11:40 | 1:11 | 1.0 | 1.0 | 1.0 | 1.0 |

| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:15 | 8/13/24 13:55 | 0:40 | 0.5 | | 0.5 | 0.5 |
|--------------------|--|---------------|---------------|---------------|-----|-----|-----|-----|
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:00 | 8/13/24 14:26 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:53 | 8/13/24 15:26 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:53 | 8/13/24 16:55 | 1:02 | 1.0 | | 1.0 | 1.0 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:25 | 8/14/24 10:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:04 | 8/14/24 10:59 | 0:54 | | 1.0 | 1.0 | 1.0 |
| | 50 Years Later and SND Still Works | 8/14/24 13:35 | 8/14/24 14:00 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | IU Permits and Applying the Combined Wastestream Formula | 8/14/24 14:04 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Adaptive mixing and process optimization with energy savings | 8/14/24 15:17 | 8/14/24 15:50 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Tips for Labs that you may not know | 8/15/24 7:54 | 8/15/24 8:30 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:32 | 8/15/24 9:38 | 1:05 | 1.0 | | 1.0 | 1.0 |
| | It's Raining N! The Future of Total Nitrogen Limits | 8/15/24 11:21 | 8/15/24 11:55 | 0:33 | 0.5 | | 0.5 | 0.5 |
| Goodnight, Anthony | Cuadita Daguastad | | Total C | uadita Fausad | 0.5 | 0.0 | | 0.5 |
| | Credits Requested: | | iotaiC | redits Earned | 0.5 | 0.0 | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:03 | 8/14/24 10:35 | 0:32 | 0.5 | | 0.5 | 0.5 |
| Grabast, Alex | Credits Requested: | | Total C | redits Earned | 3.5 | 0.0 | 3.5 | 3.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:28 | 8/14/24 10:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - | 8/14/24 10:03 | 8/14/24 10:35 | 0:31 | 0.5 | | 0.5 | 0.5 |

| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:33 | 8/14/24 11:05 | 0:32 | 0.5 | | 0.5 | 0.5 |
|---------------|---|---------------|---------------|----------------|-----|-----|-----|-----|
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:05 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:20 | 8/14/24 15:55 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:50 | 8/14/24 16:26 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Enhancing the absorption capacity of GAC to remove PFAS from water | 8/14/24 16:27 | 8/14/24 16:55 | 0:27 | 0.5 | | 0.5 | 0.5 |
| Grabner, Greg | Credits Requested: | | Total C | Credits Earned | 0.0 | 1.0 | 1.0 | 1.0 |
| | Welcome & Keynote Address | 8/13/24 7:56 | 8/13/24 9:00 | 1:03 | | 1.0 | 1.0 | 1.0 |
| Graham, John | Credits Requested: Waste | vater | Total C | redits Earned | 7.0 | 0.0 | 7.0 | 7.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:30 | 8/13/24 11:10 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:12 | 8/13/24 11:47 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:15 | 8/13/24 13:55 | 0:40 | 0.5 | | 0.5 | 0.5 |
| | Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:50 | 8/14/24 8:25 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:28 | 8/14/24 9:00 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Water Treatment Regulatory Terms & Definitions | 8/14/24 9:22 | 8/14/24 9:59 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Challenges In The Field | 8/14/24 10:01 | 8/14/24 10:56 | 0:54 | 1.0 | | 1.0 | 1.0 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:24 | 8/14/24 14:00 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Ultra-Low Phosphorus Limits | 8/15/24 7:59 | 8/15/24 8:30 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:34 | 8/15/24 9:38 | 1:03 | 1.0 | | 1.0 | 1.0 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:38 | 8/15/24 10:15 | 0:36 | 0.5 | | 0.5 | 0.5 |

| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:10 | 8/15/24 10:45 | 0:35 | 0.5 | | 0.5 | 0.5 |
|----------------|---|--|---|--------------------------------------|-------------------|-----|---------------------------------|---------------------------------|
| Graham, Tricia | Credits Requested: PDHs | | Total C | Credits Earned | 1.5 | 2.0 | 3.5 | 3.5 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:11 | 1:01 | | 1.0 | 1.0 | 1.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:30 | 8/13/24 11:10 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:07 | 8/13/24 11:47 | 0:40 | 0.5 | | 0.5 | 0.5 |
| | Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures | 8/13/24 14:55 | 8/13/24 15:25 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:54 | 8/13/24 16:26 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:31 | 8/13/24 16:58 | 0:27 | | 0.5 | 0.5 | 0.5 |
| Gray, Adam | Credits Requested: Waster | water | Total C | Credits Earned | 5.0 | 6.0 | 11.0 | 11.0 |
| | | | | | | | | |
| | | | | | 0.0 | | | |
| | Welcome & Keynote Address Workforce Development Roundtable | 8/13/24 7:51 8/13/24 9:10 | 8/13/24 9:00 8/13/24 10:11 | 1:08 1:01 | 0.0 | 1.0 | 1.0 | 1.0 |
| | Welcome & Keynote Address Workforce Development | 8/13/24 7:51 | 8/13/24 9:00 | 1:08 | 1.0 | 1.0 | 1.0 | 1.0 |
| | Welcome & Keynote Address Workforce Development Roundtable Biosolids: Fail to Plan; Plan to | 8/13/24 7:51 8/13/24 9:10 | 8/13/24 9:00 8/13/24 10:11 | 1:08 | | 1.0 | 1.0 | 1.0 |
| | Welcome & Keynote Address Workforce Development Roundtable Biosolids: Fail to Plan; Plan to Fail PFAS Regulations Impact on the | 8/13/24 7:51 8/13/24 9:10 8/13/24 10:32 | 8/13/24 9:00 8/13/24 10:11 8/13/24 11:40 | 1:08 1:01 1:07 | 1.0 | 1.0 | 1.0 1.0 1.0 | 1.0 1.0 1.0 |
| | Welcome & Keynote Address Workforce Development Roundtable Biosolids: Fail to Plan; Plan to Fail PFAS Regulations Impact on the Future of Land Application Optimizing Final Clarifiers — From Concept to Demonstrated | 8/13/24 7:51 8/13/24 9:10 8/13/24 10:32 8/13/24 13:21 | 8/13/24 9:00 8/13/24 10:11 8/13/24 11:40 8/13/24 13:55 | 1:08 1:01 1:07 0:34 | 1.0 | 1.0 | 1.0 1.0 1.0 0.5 | 1.0 1.0 1.0 0.5 |
| | Welcome & Keynote Address Workforce Development Roundtable Biosolids: Fail to Plan; Plan to Fail PFAS Regulations Impact on the Future of Land Application Optimizing Final Clarifiers — From Concept to Demonstrated Performance Total Nitrogen Treatment — What is Required vs. What is | 8/13/24 7:51 8/13/24 9:10 8/13/24 10:32 8/13/24 13:21 8/13/24 14:00 | 8/13/24 9:00 8/13/24 10:11 8/13/24 11:40 8/13/24 13:55 8/13/24 14:26 | 1:08 1:01 1:07 0:34 | 1.0 0.5 | 1.0 | 1.0 1.0 1.0 0.5 | 1.0 1.0 1.0 0.5 |
| | Welcome & Keynote Address Workforce Development Roundtable Biosolids: Fail to Plan; Plan to Fail PFAS Regulations Impact on the Future of Land Application Optimizing Final Clarifiers — From Concept to Demonstrated Performance Total Nitrogen Treatment — What is Required vs. What is Realistic Energy Efficient Retrofits of | 8/13/24 7:51 8/13/24 9:10 8/13/24 10:32 8/13/24 13:21 8/13/24 14:00 8/13/24 14:52 | 8/13/24 9:00 8/13/24 10:11 8/13/24 11:40 8/13/24 13:55 8/13/24 14:26 8/13/24 15:26 | 1:08 1:01 1:07 0:34 0:25 | 1.0 0.5 0.5 | 1.0 | 1.0 1.0 1.0 0.5 0.5 | 1.0 1.0 1.0 0.5 0.5 |

| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:35 | 8/14/24 11:03 | 0:27 | | 0.5 | 0.5 | 0.5 |
|---------------|--|--------------------------------|---------------------------------|-----------------------|-----|-----|-----|-----|
| | Water and Wastewater Workforce Development – Is your community ready for the challenge? | 8/14/24 13:25 | 8/14/24 14:30 | 1:04 | | 1.0 | 1.0 | 1.0 |
| | Adaptive mixing and process optimization with energy savings | 8/14/24 15:17 | 8/14/24 15:50 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Electrical Safety for Wastewater Operators and Maintenance Personnel | 8/15/24 7:58 | 8/15/24 8:30 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:34 | 8/15/24 9:38 | 1:03 | 1.0 | | 1.0 | 1.0 |
| | City of Kalamazoo's Holistic Approach to Selecting New Process Technologies | 8/15/24 9:43 | 8/15/24 10:50 | 1:07 | | 1.0 | 1.0 | 1.0 |
| iray, Hunter | Credits Requested: | | Total C | redits Earned | 0.0 | 0.5 | 0.5 | 0.5 |
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:19 | 8/14/24 15:55 | 0:35 | 0.0 | 0.5 | 0.5 | 0.5 |
| ireen, Justin | 0 111 0 1 1 | | = | 1 = 1 | 0.5 | 0.0 | 0.5 | 0.5 |
| | Credits Requested: | | Total C | redits Earned | 0.5 | 0.0 | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:50 | 8/13/24 15:25 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Green, Matt | Credits Requested: | | Total C | redits Earned | 1.0 | 0.0 | 1.0 | 1.0 |
| | Howard Roosa Sewer – The | | | | | | | |
| | Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:31 | 8/14/24 11:05 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer 50 Years Later and SND Still | 8/14/24 10:31 8/14/24 13:26 | 8/14/24 11:05 8/14/24 14:00 | 0:34 | 0.5 | | 0.5 | 0.5 |
| Gress, Steven | Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer 50 Years Later and SND Still Works | · · · | 8/14/24 14:00 | 0:34 | 0.5 | | 0.5 | 0.5 |
| iress, Steven | Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer 50 Years Later and SND Still | · · · | 8/14/24 14:00 | | | 0.5 | | |
| Gress, Steven | Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer 50 Years Later and SND Still Works | · · · | 8/14/24 14:00 | 0:34 | 0.5 | 0.5 | 0.5 | 0.5 |
| iress, Steven | Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer 50 Years Later and SND Still Works Credits Requested: PDHs Biosolids: Fail to Plan; Plan to | 8/14/24 13:26 | 8/14/24 14:00 Total C | 0:34 redits Earned | 6.0 | 0.5 | 0.5 | 0.5 |

| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:59 | 8/13/24 15:26 | 0:26 | 0.5 | | 0.5 | 0.5 |
|---------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:59 | 8/13/24 16:55 | 0:55 | 1.0 | | 1.0 | 1.0 |
| | Challenges In The Field | 8/14/24 10:08 | 8/14/24 11:02 | 0:53 | 1.0 | | 1.0 | 1.0 |
| | 50 Years Later and SND Still Works | 8/14/24 13:37 | 8/14/24 14:02 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | IU Permits and Applying the Combined Wastestream Formula | 8/14/24 14:06 | 8/14/24 14:35 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:45 | 8/15/24 10:15 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:16 | 8/15/24 10:45 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:55 | 8/15/24 11:25 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | UPDATED - Emergency Replacement of a Blower During a Planning Project at the Wyoming Clean Water Plant | 8/15/24 11:29 | 8/15/24 11:57 | 0:27 | 0.5 | | 0.5 | 0.5 |
| Gridley, Anna | Cradite Paguastade DDUs | | Total C | redits Earned | 1.5 | 3.0 | 4.5 | 4.5 |
| | Credits Requested: PDHs Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:11 | 1:01 | 1.5 | 1.0 | 1.0 | 1.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:34 | 8/13/24 11:10 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:09 | 8/13/24 11:47 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:27 | 8/13/24 14:00 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:03 | 8/13/24 14:32 | 0:29 | | 0.5 | 0.5 | 0.5 |

| | Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures | 8/13/24 14:55 | 8/13/24 15:25 | 0:30 | 0.5 | | 0.5 | 0.5 |
|------------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | IDEM Update | 8/13/24 15:54 | 8/13/24 16:26 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:31 | 8/13/24 16:58 | 0:27 | | 0.5 | 0.5 | 0.5 |
| iriffin, Jeffery | | | | | | 4 = | | |
| | Credits Requested: Waster | water | Total C | redits Earned | 5.5 | 1.5 | 7.0 | 7.0 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:27 | 8/13/24 11:41 | 1:13 | 1.0 | | 1.0 | 1.0 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:23 | 8/13/24 13:56 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:56 | 8/13/24 16:55 | 0:58 | 1.0 | | 1.0 | 1.0 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:27 | 8/14/24 9:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:25 | 8/14/24 10:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:05 | 8/14/24 10:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:33 | 8/14/24 11:05 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Wastewater Challenge Demonstration | 8/14/24 16:29 | 8/14/24 16:55 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Electrical Safety for Wastewater Operators and Maintenance Personnel | 8/15/24 7:56 | 8/15/24 8:30 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | Emergency Preparedness and Procedures | 8/15/24 8:32 | 8/15/24 9:10 | 0:37 | | 0.5 | 0.5 | 0.5 |
| | Basics of pH | 8/15/24 9:44 | 8/15/24 10:15 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:16 | 8/15/24 10:45 | 0:29 | 0.5 | | 0.5 | 0.5 |
| riffith, Jimmy | | | | | 4.0 | 0.5 | 2 - | 2 - |
| | Credits Requested: | | | redits Earned | 1.0 | 2.5 | 3.5 | 3.5 |
| | Welcome & Keynote Address | 8/13/24 7:58 | 8/13/24 9:00 | 1:01 | | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:11 | 1:01 | | 1.0 | 1.0 | 1.0 |
| | | | | | | | | |

| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:31 | 8/13/24 11:10 | 0:38 | 0.5 | | 0.5 | 0.5 |
|---------------|---|---------------------|---------------|---------------|-----|-----|-----|-----|
| | Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap | 8/13/24 11:14 | 8/13/24 11:42 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:28 | 8/13/24 13:55 | 0:27 | 0.5 | | 0.5 | 0.5 |
| Grimstad, Don | | | | · - · | | 4.0 | | |
| | Credits Requested: | | | redits Earned | 5.0 | 1.0 | 6.0 | 6.0 |
| | Welcome & Keynote Address | 8/13/24 7:56 | 8/13/24 9:00 | 1:03 | | 1.0 | 1.0 | 1.0 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:51 | 8/14/24 8:22 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:24 | 8/14/24 9:00 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:24 | 8/14/24 10:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:03 | 8/14/24 10:35 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:26 | 8/14/24 11:05 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:23 | 8/14/24 14:00 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:01 | 8/14/24 14:30 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:16 | 8/14/24 15:55 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:52 | 8/14/24 16:26 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:27 | 8/14/24 16:55 | 0:27 | 0.5 | | 0.5 | 0.5 |
| roeneweg, Ben | Cup dita De sus este de | | T-1 10 | | 4.0 | 1 F | ГГ | ГГ |
| | Credits Requested: Drinkin | g Water, Wastewater | Iotal C | redits Earned | 4.0 | 1.5 | 5.5 | 5.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:58 | 8/13/24 15:25 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | | |

| | Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:53 | 8/13/24 16:55 | 1:01 | 1.0 | | 1.0 | 1.0 |
|--------------------|---|--|--|--------------------------------------|-----|--------------------------|---------------------------------|---------------------------------|
| | Rate inequity: are your residents subsidizing the growth in your community? | 8/14/24 9:20 | 8/14/24 10:30 | 1:09 | | 1.0 | 1.0 | 1.0 |
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:30 | 8/14/24 11:03 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:24 | 8/14/24 14:00 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:02 | 8/14/24 14:30 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:16 | 8/14/24 15:55 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:51 | 8/14/24 16:26 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in | 8/14/24 16:27 | 8/14/24 16:55 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | a Five Gallon Bucket | | | | | | | |
| Grossmann, Lindsay | | | Total C | undite Famand | 7.0 | 5 0 | 12.0 | 12.0 |
| Grossmann, Lindsay | Credits Requested: Waste | | | redits Earned | 7.0 | 5.0 | 12.0 | 12.0 |
| Grossmann, Lindsay | Credits Requested: Waster Welcome & Keynote Address Workforce Development | water 8/13/24 7:48 8/13/24 9:10 | Total C 8/13/24 9:00 8/13/24 10:12 | redits Earned 1:11 1:01 | 7.0 | 5.0 1.0 | 12.0 1.0 1.0 | 12.0 1.0 1.0 |
| Grossmann, Lindsay | Credits Requested: Waster Welcome & Keynote Address | 8/13/24 7:48 | 8/13/24 9:00 | 1:11 | 7.0 | 1.0 | 1.0 | 1.0 |
| Grossmann, Lindsay | Credits Requested: Waster Welcome & Keynote Address Workforce Development Roundtable | 8/13/24 7:48 8/13/24 9:10 | 8/13/24 9:00 8/13/24 10:12 | 1:11 1:01 | 7.0 | 1.0 | 1.0 | 1.0 |
| Grossmann, Lindsay | Credits Requested: Waster Welcome & Keynote Address Workforce Development Roundtable Operator Certification Update Advancing Better Water Policy and Strategies: The Indiana | 8/13/24 7:48 8/13/24 9:10 8/13/24 10:40 | 8/13/24 9:00 8/13/24 10:12 8/13/24 11:07 | 1:11 1:01 0:26 | 7.0 | 1.0 1.0 0.5 | 1.0 1.0 0.5 | 1.0 1.0 0.5 |
| Grossmann, Lindsay | Credits Requested: Waster Welcome & Keynote Address Workforce Development Roundtable Operator Certification Update Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap PFAS Regulations Impact on the | 8/13/24 7:48 8/13/24 9:10 8/13/24 10:40 8/13/24 11:07 | 8/13/24 9:00 8/13/24 10:12 8/13/24 11:07 8/13/24 11:42 | 1:11 1:01 0:26 0:34 | | 1.0 1.0 0.5 | 1.0 1.0 0.5 | 1.0 1.0 0.5 0.5 |
| Grossmann, Lindsay | Credits Requested: Waster Welcome & Keynote Address Workforce Development Roundtable Operator Certification Update Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap PFAS Regulations Impact on the Future of Land Application Regional Stormwater Detention Basins – Treating urban runoff | 8/13/24 7:48 8/13/24 9:10 8/13/24 10:40 8/13/24 11:07 8/13/24 13:23 | 8/13/24 9:00 8/13/24 10:12 8/13/24 11:07 8/13/24 11:42 8/13/24 13:55 | 1:11 1:01 0:26 0:34 | | 1.0 1.0 0.5 0.5 | 1.0 1.0 0.5 0.5 | 1.0 1.0 0.5 0.5 |
| Grossmann, Lindsay | Credits Requested: Waster Welcome & Keynote Address Workforce Development Roundtable Operator Certification Update Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap PFAS Regulations Impact on the Future of Land Application Regional Stormwater Detention Basins – Treating urban runoff outside your project Whole Effluent Toxicity (WET) Testing Requirements for | 8/13/24 7:48 8/13/24 9:10 8/13/24 10:40 8/13/24 11:07 8/13/24 13:23 8/13/24 14:03 | 8/13/24 9:00 8/13/24 10:12 8/13/24 11:07 8/13/24 11:42 8/13/24 13:55 8/13/24 14:32 | 1:11 1:01 0:26 0:34 0:32 | 0.5 | 1.0 1.0 0.5 0.5 | 1.0 1.0 0.5 0.5 0.5 | 1.0 1.0 0.5 0.5 0.5 |
| Grossmann, Lindsay | Credits Requested: Waster Welcome & Keynote Address Workforce Development Roundtable Operator Certification Update Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap PFAS Regulations Impact on the Future of Land Application Regional Stormwater Detention Basins – Treating urban runoff outside your project Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 7:48 8/13/24 9:10 8/13/24 10:40 8/13/24 11:07 8/13/24 13:23 8/13/24 14:03 | 8/13/24 9:00 8/13/24 10:12 8/13/24 11:07 8/13/24 11:42 8/13/24 13:55 8/13/24 14:32 8/13/24 16:55 | 1:11 1:01 0:26 0:34 0:32 | 0.5 | 1.0 1.0 0.5 0.5 | 1.0 1.0 0.5 0.5 0.5 | 1.0 1.0 0.5 0.5 0.5 |

| | Water and Wastewater Workforce Development – Is your community ready for the challenge? | 8/14/24 13:33 | 8/14/24 14:30 | 0:57 | | 1.0 | 1.0 | 1.0 |
|-------------|--|--------------------------------|--------------------------------|---------------|------|-----|------|------|
| | Tips for Labs that you may not know | 8/15/24 8:00 | 8/15/24 8:30 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | IWEA WASTEWATER LABORATORY ANALYST CERTIFICATION | 8/15/24 8:35 | 8/15/24 9:01 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Flexing Your Procurement Muscle | 8/15/24 9:09 | 8/15/24 9:37 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Basics of pH | 8/15/24 9:43 | 8/15/24 10:15 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | A case for better lab results | 8/15/24 10:15 | 8/15/24 10:47 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories | 8/15/24 10:56 | 8/15/24 11:55 | 0:59 | 1.0 | | 1.0 | 1.0 |
| rove, Chris | Credits Requested: | | Total C | redits Earned | 0.0 | 1.0 | 1.0 | 1.0 |
| | Welcome & Keynote Address | 8/13/24 7:56 | 8/13/24 9:00 | 1:03 | | 1.0 | 1.0 | 1.0 |
| uerin, Matt | | | | | | | | |
| | Credits Requested: Drinkin | g Water | Total C | redits Earned | 10.5 | 3.5 | 14.0 | 14.0 |
| | Welcome & Keynote Address | 8/13/24 7:50 | 8/13/24 9:00 | 1:09 | | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:12 | 1:01 | | 1.0 | 1.0 | 1.0 |
| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:37 | 8/13/24 11:40 | 1:03 | 1.0 | | 1.0 | 1.0 |
| | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks | 8/13/24 13:28 | 8/13/24 13:53 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Communication & Collaboration: | | | | | | | |
| | How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | 8/13/24 13:56 | 8/13/24 14:29 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | design iterations of a 600,000 | 8/13/24 13:56 8/13/24 14:55 | 8/13/24 14:29 8/13/24 15:26 | 0:33 | 0.5 | 0.5 | 0.5 | 0.5 |
| | design iterations of a 600,000 storage facility in Indianapolis Total Nitrogen Treatment – What is Required vs. What is | | | | 0.5 | 0.5 | | |
| | design iterations of a 600,000 storage facility in Indianapolis Total Nitrogen Treatment – What is Required vs. What is Realistic Whole Effluent Toxicity (WET) Testing Requirements for | 8/13/24 14:55 | 8/13/24 15:26 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | design iterations of a 600,000 storage facility in Indianapolis Total Nitrogen Treatment – What is Required vs. What is Realistic Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 14:55 8/13/24 15:56 | 8/13/24 15:26 8/13/24 16:55 | 0:31 | 1.0 | 0.5 | 0.5 | 0.5 |

| | 21ST Century FOG Management | 8/14/24 13:22 | 8/14/24 13:59 | 0:36 | 0.5 | | 0.5 | 0.5 |
|------------------|--|---------------|---------------|----------------|-----|-----|-----|-----|
| | IU Permits and Applying the Combined Wastestream Formula | 8/14/24 14:04 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Enforcement Response Plan, Violations, and Significant Non- Compliance | 8/14/24 15:17 | 8/14/24 16:14 | 0:57 | 1.0 | | 1.0 | 1.0 |
| | Transforming Compliance Using Collaborative Technology | 8/14/24 16:30 | 8/14/24 16:57 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Tips for Labs that you may not know | 8/15/24 7:54 | 8/15/24 8:30 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:33 | 8/15/24 9:05 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:10 | 8/15/24 9:40 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Basics of pH | 8/15/24 9:44 | 8/15/24 10:15 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:16 | 8/15/24 10:45 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:54 | 8/15/24 11:25 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens - Sustainable Solutions for Grit Management At WWTPs | 8/15/24 11:21 | 8/15/24 11:55 | 0:34 | 0.5 | | 0.5 | 0.5 |
| Gupta, Shreya | | | = . 1.4 | | 0.0 | 0.0 | 2.0 | 2.0 |
| | Credits Requested: | | | redits Earned | 2.0 | 0.0 | 2.0 | 2.0 |
| | Ultra-Low Phosphorus Limits | 8/15/24 7:54 | 8/15/24 8:30 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:09 | 8/15/24 9:40 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Basics of pH | 8/15/24 9:44 | 8/15/24 10:15 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | It's Raining N! The Future of Total Nitrogen Limits | 8/15/24 11:27 | 8/15/24 11:55 | 0:28 | 0.5 | | 0.5 | 0.5 |
| Gustafson, Laura | Cradits Paguastad | | Total (| Credits Earned | 3.5 | 3.5 | 7.0 | 7.0 |
| | Credits Requested: | | Total C | redits Earned | 3.3 | 3.5 | 7.0 | 7.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:38 | 8/13/24 11:10 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks | 8/13/24 13:26 | 8/13/24 13:52 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 14:59 | 8/13/24 15:26 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:58 | 8/13/24 16:26 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | | | | | | | | |

| Credits Requested: Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer Foster Park Relief Sewer – Indian Village CSO 005 Connection A Gen Z Perspective on the Wastewater Industry Use of Pipe Storage System for Sustainable CSO Reduction Credits Requested: | 8/14/24 7:58 8/14/24 9:30 8/14/24 10:29 8/14/24 13:26 8/14/24 15:12 8/14/24 15:56 | 8/14/24 10:00 8/14/24 11:05 8/14/24 14:00 8/14/24 15:55 8/14/24 16:26 | 0:26 0:29 0:36 0:34 0:42 0:29 Credits Earned | 2.5 0.5 0.5 0.5 0.5 | 0.5 | 3.0 0.5 0.5 0.5 0.5 0.5 11.5 | 3.0 0.5 0.5 0.5 0.5 0.5 11.5 |
|---|--|---|--|---------------------------------|---------------------|--|--|
| Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer Foster Park Relief Sewer – Indian Village CSO 005 Connection A Gen Z Perspective on the Wastewater Industry Use of Pipe Storage System for | 8/14/24 9:30 8/14/24 10:29 8/14/24 13:26 8/14/24 15:12 | 8/14/24 8:25 8/14/24 10:00 8/14/24 11:05 8/14/24 14:00 8/14/24 15:55 | 0:26 0:29 0:36 0:34 | 0.5 0.5 0.5 | | 0.5 0.5 0.5 0.5 | 0.5 0.5 0.5 |
| Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer Foster Park Relief Sewer – Indian Village CSO 005 Connection A Gen Z Perspective on the | 8/14/24 9:30 8/14/24 10:29 8/14/24 13:26 | 8/14/24 8:25 8/14/24 10:00 8/14/24 11:05 8/14/24 14:00 | 0:26 0:29 0:36 | 0.5 | | 0.5 0.5 0.5 | 0.5 0.5 0.5 |
| Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer Foster Park Relief Sewer – Indian Village CSO 005 | 8/14/24 9:30 8/14/24 10:29 | 8/14/24 8:25 8/14/24 10:00 8/14/24 11:05 | 0:26 0:29 0:36 | 0.5 | 0.5 | 0.5 0.5 0.5 | 0.5 |
| Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- | 8/14/24 9:30 | 8/14/24 8:25 8/14/24 10:00 | 0:26 | 0.5 | 0.5 | 0.5 | 0.5 |
| Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer Using AI, GIS & Digital Twins to | | 8/14/24 8:25 | 0:26 | 0.5 | 0.5 | 0.5 | 0.5 |
| Adapt and Overcome: Challenges of Rehabilitating a | 8/14/24 7:58 | | | | 0.5 | | |
| Credits Requested: | | Total C | Credits Earned | 2.5 | 0.5 | 3.0 | 3.0 |
| | | | | | | | |
| Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:27 | 8/14/24 16:55 | 0:27 | 0.5 | | 0.5 | 0.5 |
| Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:49 | 8/14/24 16:26 | 0:36 | 0.5 | | 0.5 | 0.5 |
| Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:18 | 8/14/24 15:55 | 0:37 | 0.5 | | 0.5 | 0.5 |
| 21ST Century FOG Management | 8/14/24 13:27 | 8/14/24 13:59 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:30 | 8/14/24 11:03 | 0:32 | | 0.5 | 0.5 | 0.5 |
| Rate inequity: are your residents subsidizing the growth in your community? | 8/14/24 9:29 | 8/14/24 10:30 | 1:00 | | 1.0 | 1.0 | 1.0 |
| Hydraulic Modeling - What is it good for? | 8/14/24 8:26 | 8/14/24 9:00 | 0:34 | 0.5 | | 0.5 | 0.5 |
| 90-inch Sewer | 8/14/24 8:01 | 8/14/24 8:27 | 0:25 | 0.5 | | 0.5 | 0.5 |
| Adapt and Overcome: Challenges of Rehabilitating a | | | | | | 0.5 | 0.5 |
| | · · | · · · | Adapt and Overcome: | | Adapt and Overcome: | Adapt and Overcome: | within Basins in Indiana Adapt and Overcome: |

| | Welcome & Keynote Address | 8/13/24 7:50 | 8/13/24 9:00 | 1:09 | | 1.0 | 1.0 | 1.0 |
|-------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:12 | 1:01 | | 1.0 | 1.0 | 1.0 |
| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:37 | 8/13/24 11:40 | 1:03 | 1.0 | | 1.0 | 1.0 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:25 | 8/13/24 13:55 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 14:01 | 8/13/24 14:28 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:59 | 8/13/24 15:26 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:56 | 8/13/24 16:55 | 0:58 | 1.0 | | 1.0 | 1.0 |
| | Out In The Field Not In A Book | 8/14/24 7:59 | 8/14/24 8:56 | 0:57 | 1.0 | | 1.0 | 1.0 |
| | Water Treatment Regulatory Terms & Definitions | 8/14/24 9:33 | 8/14/24 9:59 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Challenges In The Field | 8/14/24 10:03 | 8/14/24 10:56 | 0:52 | 1.0 | | 1.0 | 1.0 |
| | 21ST Century FOG Management | 8/14/24 13:32 | 8/14/24 13:59 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | IU Permits and Applying the Combined Wastestream Formula | 8/14/24 14:06 | 8/14/24 14:35 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Enforcement Response Plan, Violations, and Significant Non- Compliance | 8/14/24 15:17 | 8/14/24 16:14 | 0:57 | 1.0 | | 1.0 | 1.0 |
| | Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility | 8/15/24 7:54 | 8/15/24 8:30 | 0:36 | | 0.5 | 0.5 | 0.5 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:31 | 8/15/24 9:05 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:08 | 8/15/24 9:40 | 0:31 | 0.5 | | 0.5 | 0.5 |
| David | Credits Requested: PDHs | | Total C | redits Earned | 1.5 | 2.0 | 3.5 | 3.5 |
| | Workforce Development | | Total C | icaio Laillea | 1.5 | ۷.0 | 5.5 | 5.5 |

| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:36 | 8/13/24 11:10 | 0:33 | 0.5 | | 0.5 | 0.5 |
|--------------|--|---------------|---------------|---------------|-----|-----|-----|-----|
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:11 | 8/13/24 11:47 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | 8/13/24 14:01 | 8/13/24 14:29 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures | 8/13/24 14:57 | 8/13/24 15:25 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 15:57 | 8/13/24 16:29 | 0:31 | | 0.5 | 0.5 | 0.5 |
| ecker, Joe | Credits Requested: Wastev | vater | Total C | redits Earned | 6.0 | 1.0 | 7.0 | 7.0 |
| | Welcome & Keynote Address | 8/13/24 7:55 | 8/13/24 9:00 | 1:04 | 0.0 | 1.0 | 1.0 | 1.0 |
| | Biosolids: Fail to Plan; Plan to | 8/13/24 10:30 | 8/13/24 11:40 | 1:09 | 1.0 | | 1.0 | 1.0 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:23 | 8/13/24 13:56 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:01 | 8/13/24 14:26 | 0:24 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:52 | 8/13/24 15:26 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:59 | 8/13/24 16:55 | 0:55 | 1.0 | | 1.0 | 1.0 |
| | Out In The Field Not In A Book | 8/14/24 7:53 | 8/14/24 8:56 | 1:03 | 1.0 | • | 1.0 | 1.0 |
| | Water Treatment Regulatory Terms & Definitions | 8/14/24 9:28 | 8/14/24 9:59 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Challenges In The Field | 8/14/24 10:05 | 8/14/24 11:02 | 0:57 | 1.0 | | 1.0 | 1.0 |
| enlein, Eric | Credits Requested: | | Total C | redits Earned | 1.0 | 0.0 | 1.0 | 1.0 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:56 | 8/13/24 15:25 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline | 8/14/24 15:14 | 8/14/24 15:55 | 0:41 | 0.5 | | 0.5 | 0.5 |

| | Credits Requested: Wastev | vater | Total C | redits Earned | 7.5 | 2.5 | 10.0 | 10.0 |
|-------------|--|-------------------------------|-------------------------------|---------------|------|-----|------|------|
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:12 | 1:01 | | 1.0 | 1.0 | 1.0 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:34 | 8/13/24 11:41 | 1:06 | 1.0 | | 1.0 | 1.0 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:19 | 8/13/24 13:56 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:56 | 8/14/24 8:25 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:28 | 8/14/24 9:00 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:27 | 8/14/24 10:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:02 | 8/14/24 10:59 | 0:56 | | 1.0 | 1.0 | 1.0 |
| | 50 Years Later and SND Still Works | 8/14/24 13:25 | 8/14/24 14:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:05 | 8/14/24 14:35 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Ultra-Low Phosphorus Limits | 8/15/24 7:58 | 8/15/24 8:30 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:33 | 8/15/24 9:38 | 1:04 | 1.0 | | 1.0 | 1.0 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:42 | 8/15/24 10:15 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Keeping pace with current dynamic state of UV disinfection. An overview of different style UV systems, and what are the drivers when picking between technologies. | 8/15/24 10:12 | 8/15/24 11:30 | 1:17 | 1.0 | | 1.0 | 1.0 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 11:00 | 8/15/24 11:25 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | It's Raining N! The Future of Total Nitrogen Limits | 8/15/24 11:21 | 8/15/24 11:55 | 0:34 | 0.5 | | 0.5 | 0.5 |
| ll, Bradley | Cuadita Passasatada | | Takalo | uadita Camasi | 10 5 | 1.0 | 12 「 | 12 5 |
| | Credits Requested: Wastev | | | redits Earned | 12.5 | 1.0 | 13.5 | 13.5 |
| | Welcome & Keynote Address Critical Maintenance Techniques | 8/13/24 7:48 8/13/24 10:36 | 8/13/24 9:00 8/13/24 11:41 | 1:11 | 1.0 | 1.0 | 1.0 | 1.0 |
| | Your Plant may be over looking | -,, 20.00 | -,, 2 · 22 · · 2 | - | | | =/0 | 2.3 |

| Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:30 | 8/13/24 13:56 | 0:26 | 0.5 | 0.5 | 0.5 |
|---|---------------|---------------|------|-----|-----|-----|
| Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:01 | 8/13/24 14:26 | 0:24 | 0.5 | 0.5 | 0.5 |
| Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:54 | 8/13/24 15:25 | 0:31 | 0.5 | 0.5 | 0.5 |
| Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:53 | 8/13/24 16:55 | 1:02 | 1.0 | 1.0 | 1.0 |
| Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:58 | 8/14/24 8:25 | 0:26 | 0.5 | 0.5 | 0.5 |
| Benefits of Big Bubble Mixing | 8/14/24 8:26 | 8/14/24 9:00 | 0:33 | 0.5 | 0.5 | 0.5 |
| Using Al, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:31 | 8/14/24 10:00 | 0:28 | 0.5 | 0.5 | 0.5 |
| Water Treatment Regulatory Terms & Definitions | 8/14/24 9:33 | 8/14/24 9:59 | 0:26 | 0.5 | 0.5 | 0.5 |
| North Interceptor Sewer - Danville, IN | 8/14/24 10:05 | 8/14/24 10:35 | 0:30 | 0.5 | 0.5 | 0.5 |
| Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:26 | 8/14/24 11:05 | 0:39 | 0.5 | 0.5 | 0.5 |
| 50 Years Later and SND Still Works | 8/14/24 13:28 | 8/14/24 14:00 | 0:32 | 0.5 | 0.5 | 0.5 |
| Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:03 | 8/14/24 14:35 | 0:32 | 0.5 | 0.5 | 0.5 |
| Enforcement Response Plan, Violations, and Significant Non- Compliance | 8/14/24 15:19 | 8/14/24 16:14 | 0:55 | 1.0 | 1.0 | 1.0 |
| Transforming Compliance Using Collaborative Technology | 8/14/24 16:25 | 8/14/24 16:57 | 0:32 | 0.5 | 0.5 | 0.5 |
| Ultra-Low Phosphorus Limits | 8/15/24 7:56 | 8/15/24 8:30 | 0:33 | 0.5 | 0.5 | 0.5 |
| Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:33 | 8/15/24 9:38 | 1:05 | 1.0 | 1.0 | 1.0 |
| Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:43 | 8/15/24 10:15 | 0:31 | 0.5 | 0.5 | 0.5 |
| Sustained 60 MGD? Sure, why not! | 8/15/24 10:16 | 8/15/24 10:45 | 0:29 | 0.5 | 0.5 | 0.5 |
| N | | | | | | |

| Hall James | Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories | 8/15/24 11:02 | 8/15/24 11:55 | 0:53 | 1.0 | | 1.0 | 1.0 |
|-----------------|--|---------------|---------------|----------------|-----|-----|------|------|
| Hall, James | Credits Requested: Drinkin | g Water | Total C | Credits Earned | 1.5 | 2.5 | 4.0 | 4.0 |
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:32 | 8/14/24 11:03 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | Water and Wastewater Workforce Development – Is your community ready for the challenge? | 8/14/24 13:25 | 8/14/24 14:30 | 1:04 | | 1.0 | 1.0 | 1.0 |
| | Adaptive mixing and process optimization with energy savings | 8/14/24 15:17 | 8/14/24 15:50 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:50 | 8/14/24 16:26 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility | 8/15/24 7:56 | 8/15/24 8:30 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | Emergency Preparedness and Procedures | 8/15/24 8:36 | 8/15/24 9:10 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | Flexing Your Procurement Muscle | 8/15/24 9:07 | 8/15/24 9:37 | 0:30 | 0.5 | | 0.5 | 0.5 |
| Hammerle, Tyler | Credits Requested: PDHs | | Total C | redits Earned | 9.0 | 4.5 | 13.5 | 13.5 |
| | Welcome & Keynote Address | 8/13/24 8:02 | 8/13/24 9:00 | 0:57 | | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:12 | 1:01 | | 1.0 | 1.0 | 1.0 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:15 | 8/13/24 11:41 | 1:25 | 1.0 | | 1.0 | 1.0 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:15 | 8/13/24 13:57 | 0:41 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:52 | 8/13/24 15:25 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:53 | 8/13/24 16:55 | 1:01 | 1.0 | | 1.0 | 1.0 |
| | Mastering the Art of Master Planning | 8/14/24 7:56 | 8/14/24 9:00 | 1:04 | 1.0 | | 1.0 | 1.0 |

| WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:30 | 8/14/24 10:00 | 0:29 | 0.5 | | 0.5 | 0.5 |
|---|--|---|--|---------|---------|---------|---|
| Using your data and SCADA for maintenance and savings | 8/14/24 10:02 | 8/14/24 10:59 | 0:57 | | 1.0 | 1.0 | 1.0 |
| 50 Years Later and SND Still Works | 8/14/24 13:24 | 8/14/24 14:01 | 0:36 | 0.5 | | 0.5 | 0.5 |
| Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:05 | 8/14/24 14:35 | 0:29 | 0.5 | | 0.5 | 0.5 |
| Adaptive mixing and process optimization with energy savings | 8/14/24 15:17 | 8/14/24 15:50 | 0:33 | 0.5 | | 0.5 | 0.5 |
| Getting the Next Generation Excited about Wastewater | 8/14/24 15:54 | 8/14/24 16:25 | 0:30 | | 0.5 | 0.5 | 0.5 |
| Wastewater Challenge Demonstration | 8/14/24 16:27 | 8/14/24 16:55 | 0:27 | | 0.5 | 0.5 | 0.5 |
| Ultra-Low Phosphorus Limits | 8/15/24 7:51 | 8/15/24 8:30 | 0:38 | 0.5 | | 0.5 | 0.5 |
| Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:32 | 8/15/24 9:38 | 1:05 | 1.0 | | 1.0 | 1.0 |
| Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:47 | 8/15/24 10:15 | 0:27 | 0.5 | | 0.5 | 0.5 |
| Sustained 60 MGD? Sure, why not! | 8/15/24 10:09 | 8/15/24 10:45 | 0:36 | 0.5 | | 0.5 | 0.5 |
| Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:59 | 8/15/24 11:25 | 0:26 | | 0.5 | 0.5 | 0.5 |
| It's Raining N! The Future of Total Nitrogen Limits | 8/15/24 11:26 | 8/15/24 11:55 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | | | | 4.0 | | | |
| Credits Requested: | | Total C | redits Earned | 1.0 | 0.0 | 1.0 | 1.0 |
| Hydraulic Modeling - What is it good for? | 8/14/24 8:27 | 8/14/24 9:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| UPDATED - Emergency Replacement of a Blower During a Planning Project at the Wyoming Clean Water Plant | 8/15/24 11:21 | 8/15/24 11:57 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | | | | 0.5 | | | |
| Credits Requested: | | Total C | redits Earned | 2.5 | 3.0 | 5.5 | 5.5 |
| Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:34 | 8/13/24 11:40 | 1:06 | 1.0 | | 1.0 | 1.0 |
| Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:30 | 8/13/24 14:00 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | Systems – The Neglected Plant Process Using your data and SCADA for maintenance and savings 50 Years Later and SND Still Works Requirements vs. Reality - Design Capacity Compared to Real World Observations Adaptive mixing and process optimization with energy savings Getting the Next Generation Excited about Wastewater Wastewater Challenge Demonstration Ultra-Low Phosphorus Limits Informed Decision-Making for Electrical and Controls Systems Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges Sustained 60 MGD? Sure, why not! Contrasting Design Considerations: Municipal Vs Industrial WWTPs It's Raining N! The Future of Total Nitrogen Limits Credits Requested: Hydraulic Modeling - What is it good for? UPDATED - Emergency Replacement of a Blower During a Planning Project at the Wyoming Clean Water Plant Credits Requested: Biosolids: Fail to Plan; Plan to Fail Urban Stormwater Retrofit: Case Study of Broad Ripple | Systems – The Neglected Plant Process Using your data and SCADA for maintenance and savings 50 Years Later and SND Still Works Requirements vs. Reality - Design Capacity Compared to Real World Observations Adaptive mixing and process optimization with energy savings Getting the Next Generation Excited about Wastewater Wastewater Challenge 8/14/24 15:54 Excited about Wastewater Wastewater Challenge 8/15/24 7:51 Informed Decision-Making for Electrical and Controls Systems Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges Sustained 60 MGD? Sure, why not! Contrasting Design Considerations: Municipal Vs Industrial WWTPs It's Raining N! The Future of Total Nitrogen Limits Credits Requested: Hydraulic Modeling - What is it good for? UPDATED - Emergency Replacement of a Blower During a Planning Project at the Wyoming Clean Water Plant Credits Requested: Biosolids: Fail to Plan; Plan to Faill Urban Stormwater Retrofit: Case Study of Broad Ripple 8/13/24 13:30 | Systems - The Neglected Plant Process S/14/24 9:30 S/14/24 10:00 | Systems | Systems | Systems | Systems - The Neglected Plant 8/14/24 9:30 8/14/24 10:00 0:29 0.5 0.5 |

| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:57 | 8/13/24 15:25 | 0:27 | 0.5 | | 0.5 | 0.5 |
|----------|---|---------------|---------------|---------------|-----|-----|------|------|
| | SRF Basics | 8/13/24 15:48 | 8/13/24 16:29 | 0:41 | | 0.5 | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:30 | 8/14/24 10:00 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:04 | 8/14/24 10:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Ethics in Engineering | 8/14/24 13:24 | 8/14/24 14:30 | 1:06 | | 1.0 | 1.0 | 1.0 |
| | Indiana Law and Statutes | 8/14/24 15:08 | 8/14/24 16:21 | 1:13 | | 1.0 | 1.0 | 1.0 |
| er, Josh | Credits Requested: | | Total C | redits Earned | 8.5 | 2.0 | 10.5 | 10.5 |
| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:38 | 8/13/24 11:40 | 1:02 | 1.0 | | 1.0 | 1.0 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:30 | 8/13/24 13:57 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:01 | 8/13/24 14:26 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 14:57 | 8/13/24 15:26 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 15:49 | 8/13/24 16:29 | 0:40 | | 0.5 | 0.5 | 0.5 |
| | Forecasting Urban Water Escherichia coli Contamination Using Machine Learning Models | 8/13/24 16:26 | 8/13/24 17:00 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:55 | 8/14/24 8:25 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:27 | 8/14/24 9:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:27 | 8/14/24 10:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:01 | 8/14/24 10:35 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:26 | 8/14/24 11:05 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | 50 Years Later and SND Still Works | 8/14/24 13:24 | 8/14/24 14:01 | 0:36 | 0.5 | | 0.5 | 0.5 |

| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:04 | 8/14/24 14:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
|----------------------|--|--------------------------------|--------------------------------|---------------|-----|-----|-----|-----|
| | Adaptive mixing and process optimization with energy savings | 8/14/24 15:17 | 8/14/24 15:50 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:50 | 8/14/24 16:26 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:30 | 8/14/24 16:58 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility | 8/15/24 7:53 | 8/15/24 8:30 | 0:37 | | 0.5 | 0.5 | 0.5 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:36 | 8/15/24 9:05 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:08 | 8/15/24 9:40 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:37 | 8/15/24 10:15 | 0:37 | 0.5 | | 0.5 | 0.5 |
| arrison, Christopher | Credits Requested: Waster | water | Total C | redits Earned | 1.5 | 1.5 | 3.0 | 3.0 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:30 | 8/13/24 14:00 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation | 8/13/24 13:58 | 8/13/24 14:25 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Processes for the Destruction of PFAS and Emerging Contaminants | | | | | | | |
| | | 8/13/24 16:00 | 8/13/24 16:29 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | PFAS and Emerging Contaminants | 8/13/24 16:00 8/13/24 16:26 | 8/13/24 16:29 8/13/24 17:00 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | PFAS and Emerging Contaminants SRF Basics Forecasting Urban Water Escherichia coli Contamination | | | | 0.5 | | | |

| | Credits Requested: | | Total C | redits Earned | 2.5 | 1.0 | 3.5 | 3.5 |
|------------|---|------------------------------|-------------------------------|---------------|-----|-----|------|------|
| | Mastering the Art of Master Planning | 8/14/24 7:57 | 8/14/24 9:00 | 1:03 | 1.0 | | 1.0 | 1.0 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:29 | 8/14/24 10:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Challenges In The Field | 8/14/24 10:03 | 8/14/24 10:56 | 0:52 | 1.0 | | 1.0 | 1.0 |
| | Water and Wastewater Workforce Development – Is your community ready for the challenge? | 8/14/24 13:28 | 8/14/24 14:30 | 1:01 | | 1.0 | 1.0 | 1.0 |
| vey, David | | | | | 0.0 | 7.0 | 12.0 | 42.0 |
| | Credits Requested: PDHs | 0/42/247.56 | | redits Earned | 6.0 | 7.0 | 13.0 | 13.0 |
| | Welcome & Keynote Address Workforce Development Roundtable | 8/13/24 7:56 8/13/24 9:10 | 8/13/24 9:00 8/13/24 10:12 | 1:03 | | 1.0 | 1.0 | 1.0 |
| | Biosolids: Fail to Plan; Plan to | 8/13/24 10:32 | 8/13/24 11:40 | 1:07 | 1.0 | | 1.0 | 1.0 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:24 | 8/13/24 13:55 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 13:58 | 8/13/24 14:25 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 14:54 | 8/13/24 15:26 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:55 | 8/13/24 16:26 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:29 | 8/13/24 16:56 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:52 | 8/14/24 8:22 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:25 | 8/14/24 9:00 | 0:35 | 0.5 | - | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:29 | 8/14/24 10:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:04 | 8/14/24 10:35 | 0:30 | 0.5 | | 0.5 | 0.5 |

| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:30 | 8/14/24 11:05 | 0:35 | 0.5 | | 0.5 | 0.5 |
|-------------------|---|---------------|---------------|----------------|-----|-----|-----|-----|
| | Ethics in Engineering | 8/14/24 13:21 | 8/14/24 14:30 | 1:09 | | 1.0 | 1.0 | 1.0 |
| | Indiana Law and Statutes | 8/14/24 15:15 | 8/14/24 16:21 | 1:06 | | 1.0 | 1.0 | 1.0 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:28 | 8/14/24 16:55 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility | 8/15/24 7:56 | 8/15/24 8:30 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:27 | 8/15/24 9:05 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:10 | 8/15/24 9:40 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | City of Kalamazoo's Holistic Approach to Selecting New Process Technologies | 8/15/24 9:41 | 8/15/24 10:50 | 1:09 | | 1.0 | 1.0 | 1.0 |
| Hasenour, Brenton | | | | | | | | |
| | Credits Requested: | | Total C | Credits Earned | 1.0 | 0.0 | 1.0 | 1.0 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:27 | 8/14/24 10:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:02 | 8/14/24 10:35 | 0:33 | 0.5 | | 0.5 | 0.5 |
| Hawbaker, Olivia | | | | | | | | |
| | Credits Requested: PDHs | | Total C | redits Earned | 1.5 | 3.0 | 4.5 | 4.5 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:40 | 8/13/24 11:10 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:10 | 8/13/24 11:47 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:31 | 8/13/24 14:00 | 0:29 | | 0.5 | 0.5 | 0.5 |

| | Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | 8/13/24 13:58 | 8/13/24 14:29 | 0:31 | | 0.5 | 0.5 | 0.5 |
|-----------------|--|---------------|---------------|---------------|-----|-----|-----|-----|
| | Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures | 8/13/24 14:58 | 8/13/24 15:25 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Ethics in Engineering | 8/14/24 13:36 | 8/14/24 14:30 | 0:54 | | 1.0 | 1.0 | 1.0 |
| | Indiana Law and Statutes | 8/14/24 15:17 | 8/14/24 16:21 | 1:04 | | 1.0 | 1.0 | 1.0 |
| aly, Tim | Credits Requested: PDHs | | Total C | redits Earned | 1.0 | 5.0 | 6.0 | 6.0 |
| | Operator Certification Update | 8/13/24 10:30 | 8/13/24 11:06 | 0:36 | | 0.5 | 0.5 | 0.5 |
| | Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap | 8/13/24 11:13 | 8/13/24 11:42 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:27 | 8/13/24 14:00 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | 8/13/24 14:01 | 8/13/24 14:29 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:58 | 8/13/24 15:26 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:59 | 8/13/24 16:26 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:31 | 8/13/24 16:58 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:09 | 8/14/24 10:35 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Ethics in Engineering | 8/14/24 13:30 | 8/14/24 14:30 | 1:00 | | 1.0 | 1.0 | 1.0 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:17 | 8/14/24 15:20 | 0:03 | 0.0 | | 0.0 | 0.0 |
| | Indiana Law and Statutes | 8/14/24 15:21 | 8/14/24 16:21 | 1:00 | | 1.0 | 1.0 | 1.0 |
| | 0 12 0 1 1 2 | vater | Total C | redits Earned | 6.5 | 2.5 | 9.0 | 9.0 |
| enderson, David | Credits Requested: Wastev | vater | | | | | | |
| enderson, David | Welcome & Keynote Address | 8/13/24 7:45 | 8/13/24 9:00 | 1:14 | | 1.0 | 1.0 | 1.0 |
| enderson, David | · · · · · · · · · · · · · · · · · · · | | | 1:14 1:09 | 1.0 | 1.0 | 1.0 | 1.0 |

| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:02 | 8/13/24 14:27 | 0:24 | 0.5 | | 0.5 | 0.5 |
|--------------------|---|---------------|---------------|----------------|-----|-----|-----|-----|
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:54 | 8/13/24 15:26 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | The Danish story of using low- hanging-fruit to reduce energy, carbon, and resourcesgy and carbon | 8/13/24 15:52 | 8/13/24 16:55 | 1:02 | 1.0 | | 1.0 | 1.0 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:51 | 8/14/24 8:22 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:28 | 8/14/24 9:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:25 | 8/14/24 10:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:07 | 8/14/24 10:59 | 0:52 | | 1.0 | 1.0 | 1.0 |
| | 21ST Century FOG Management | 8/14/24 13:26 | 8/14/24 13:59 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:16 | 8/14/24 15:55 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:55 | 8/14/24 16:26 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Leading Change | 8/14/24 16:30 | 8/14/24 16:58 | 0:27 | | 0.5 | 0.5 | 0.5 |
| Hendricks, Michael | Credits Requested: Waster | water | Total C | Credits Earned | 4.0 | 1.0 | 5.0 | 5.0 |
| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:31 | 8/13/24 11:40 | 1:09 | 1.0 | | 1.0 | 1.0 |
| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 14:01 | 8/13/24 14:28 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:57 | 8/13/24 15:26 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:56 | 8/13/24 16:55 | 0:58 | 1.0 | | 1.0 | 1.0 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:35 | 8/14/24 9:00 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | | |

| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:29 | 8/14/24 10:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
|------------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:03 | 8/14/24 10:59 | 0:55 | | 1.0 | 1.0 | 1.0 |
| drickson, Donald | | | | | | | | |
| | Credits Requested: Wastev | water | Total C | redits Earned | 6.0 | 2.0 | 8.0 | 8.0 |
| | Welcome & Keynote Address | 8/13/24 7:46 | 8/13/24 9:00 | 1:13 | | 1.0 | 1.0 | 1.0 |
| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:42 | 8/13/24 11:40 | 0:58 | 1.0 | | 1.0 | 1.0 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:31 | 8/13/24 14:00 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 13:59 | 8/13/24 14:26 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 15:00 | 8/13/24 15:26 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:59 | 8/13/24 16:26 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Forecasting Urban Water Escherichia coli Contamination Using Machine Learning Models | 8/13/24 16:28 | 8/13/24 17:00 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:57 | 8/14/24 8:25 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:26 | 8/14/24 9:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Water Treatment Regulatory Terms & Definitions | 8/14/24 9:32 | 8/14/24 9:59 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Challenges In The Field | 8/14/24 10:02 | 8/14/24 11:02 | 1:00 | 1.0 | | 1.0 | 1.0 |
| | 21ST Century FOG Management | 8/14/24 13:37 | 8/14/24 14:02 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Enforcement Response Plan, Violations, and Significant Non- Compliance | 8/14/24 15:34 | 8/14/24 16:14 | 0:40 | 0.5 | | 0.5 | 0.5 |
| rix, Coryn | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 1.0 | 2.0 | 3.0 | 3.0 |
| | Welcome & Keynote Address | 8/13/24 8:01 | 8/13/24 9:00 | 0:58 | | 1.0 | 1.0 | 1.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:31 | 8/13/24 11:10 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | | |

| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:27 | 8/13/24 14:00 | 0:32 | | 0.5 | 0.5 | 0.5 |
|-----------------|--|---------------|---------------|---------------|-----|-----|-----|-----|
| | Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | 8/13/24 13:58 | 8/13/24 14:29 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures | 8/13/24 14:58 | 8/13/24 15:25 | 0:27 | 0.5 | | 0.5 | 0.5 |
| Henricksen, Bob | | | | | 4.0 | 0.0 | 6.0 | 6.0 |
| | Credits Requested: PDHs | | Total C | redits Earned | 4.0 | 2.0 | 6.0 | 6.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:36 | 8/13/24 11:10 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:07 | 8/13/24 11:47 | 0:40 | 0.5 | | 0.5 | 0.5 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:27 | 8/13/24 13:57 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:04 | 8/13/24 14:32 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 15:00 | 8/13/24 15:25 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 16:01 | 8/13/24 16:26 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:30 | 8/13/24 16:56 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:04 | 8/14/24 10:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:31 | 8/14/24 11:03 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | 50 Years Later and SND Still Works | 8/14/24 13:32 | 8/14/24 14:01 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:03 | 8/14/24 14:30 | 0:26 | 0.5 | | 0.5 | 0.5 |

| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:16 | 8/14/24 15:55 | 0:39 | 0.5 | | 0.5 | 0.5 |
|-----------------|--|---------------|---------------|----------------|-----|-----|-----|-----|
| Henschen, Steve | 9 U. 9 | | | 11: = 1 | 7.5 | 0.0 | 0.5 | 0.5 |
| | Credits Requested: PDHs | 0/40/04 45 00 | | Credits Earned | 7.5 | 2.0 | 9.5 | 9.5 |
| | IDEM Update | 8/13/24 16:00 | 8/13/24 16:26 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:31 | 8/13/24 16:58 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Mastering the Art of Master Planning | 8/14/24 7:56 | 8/14/24 9:00 | 1:04 | 1.0 | | 1.0 | 1.0 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:26 | 8/14/24 10:00 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:05 | 8/14/24 10:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:32 | 8/14/24 11:03 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:29 | 8/14/24 14:00 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:02 | 8/14/24 14:30 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:19 | 8/14/24 15:55 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:56 | 8/14/24 16:26 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:27 | 8/14/24 16:55 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility | 8/15/24 7:53 | 8/15/24 8:30 | 0:37 | | 0.5 | 0.5 | 0.5 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:33 | 8/15/24 9:38 | 1:04 | 1.0 | | 1.0 | 1.0 |
| | Basics of pH | 8/15/24 9:44 | 8/15/24 10:15 | 0:31 | 0.5 | | 0.5 | 0.5 |

| | Keeping pace with current dynamic state of UV disinfection. An overview of different style UV systems, and what are the drivers when picking between technologies. | 8/15/24 10:20 | 8/15/24 11:30 | 1:09 | 1.0 | | 1.0 | 1.0 |
|------------------|--|---------------|---------------|---------------|-----|-----|-----|-----|
| | Grit Happens - Sustainable Solutions for Grit Management At WWTPs | 8/15/24 11:25 | 8/15/24 11:55 | 0:30 | 0.5 | | 0.5 | 0.5 |
| Hernandez, Sarah | Credits Requested: | | Total C | redits Earned | 5.5 | 3.5 | 9.0 | 9.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:37 | 8/13/24 11:10 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:29 | 8/13/24 14:00 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:03 | 8/13/24 14:32 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 14:59 | 8/13/24 15:26 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 16:00 | 8/13/24 16:29 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:52 | 8/14/24 8:22 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:26 | 8/14/24 9:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:29 | 8/14/24 10:00 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:04 | 8/14/24 10:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:35 | 8/14/24 11:05 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:34 | 8/14/24 14:00 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:50 | 8/14/24 16:26 | 0:35 | 0.5 | | 0.5 | 0.5 |

| | Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility | 8/15/24 7:52 | 8/15/24 8:30 | 0:38 | | 0.5 | 0.5 | 0.5 |
|----------------|--|---------------|---------------|----------------|-----|-----|-----|-----|
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:33 | 8/15/24 9:38 | 1:04 | 1.0 | | 1.0 | 1.0 |
| | City of Kalamazoo's Holistic Approach to Selecting New Process Technologies | 8/15/24 9:44 | 8/15/24 10:50 | 1:06 | | 1.0 | 1.0 | 1.0 |
| | Grit Happens - Sustainable Solutions for Grit Management At WWTPs | 8/15/24 11:27 | 8/15/24 11:55 | 0:28 | 0.5 | | 0.5 | 0.5 |
| Hersha, Jeff | Credits Requested: | | Total C | Credits Earned | 0.5 | 0.0 | 0.5 | 0.5 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:16 | 8/13/24 13:56 | 0:39 | 0.5 | | 0.5 | 0.5 |
| Hickey, Connor | Credits Requested: PDHs | | Total C | Credits Earned | 3.0 | 3.5 | 6.5 | 6.5 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:39 | 8/13/24 11:41 | 1:02 | 1.0 | | 1.0 | 1.0 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:30 | 8/13/24 13:57 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:02 | 8/13/24 14:27 | 0:24 | 0.5 | | 0.5 | 0.5 |
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 15:00 | 8/13/24 15:26 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 15:58 | 8/13/24 16:29 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:32 | 8/14/24 10:00 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:03 | 8/14/24 10:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:31 | 8/14/24 11:03 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | Water and Wastewater Workforce Development – Is your community ready for the challenge? | 8/14/24 13:39 | 8/14/24 14:30 | 0:51 | | 1.0 | 1.0 | 1.0 |

| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:21 | 8/14/24 15:55 | 0:33 | | 0.5 | 0.5 | 0.5 |
|--------------|--|---------------|---------------|----------------|-----|-----|-----|-----|
| | Getting the Next Generation Excited about Wastewater | 8/14/24 15:59 | 8/14/24 16:25 | 0:26 | | 0.5 | 0.5 | 0.5 |
| Hicks, Gayle | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 3.0 | 3.0 | 6.0 | 6.0 |
| | Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap | 8/13/24 11:16 | 8/13/24 11:42 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:30 | 8/13/24 13:56 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures | 8/13/24 14:53 | 8/13/24 15:25 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Rate inequity: are your residents subsidizing the growth in your community? | 8/14/24 9:37 | 8/14/24 10:30 | 0:52 | | 1.0 | 1.0 | 1.0 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:04 | 8/14/24 10:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:31 | 8/14/24 11:03 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:35 | 8/14/24 14:00 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | City of Kalamazoo's Holistic Approach to Selecting New Process Technologies | 8/15/24 9:38 | 8/15/24 10:50 | 1:12 | | 1.0 | 1.0 | 1.0 |
| | Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories | 8/15/24 10:56 | 8/15/24 11:55 | 0:58 | 1.0 | | 1.0 | 1.0 |
| Hicks, Keith | 2 11 2 | | | | 0.0 | 0.0 | 2.0 | 2.0 |
| | Credits Requested: | | Total C | redits Earned | 2.0 | 0.0 | 2.0 | 2.0 |
| | Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:59 | 8/13/24 16:55 | 0:56 | 1.0 | | 1.0 | 1.0 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:51 | 8/14/24 8:22 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:25 | 8/14/24 10:00 | 0:34 | 0.5 | | 0.5 | 0.5 |
| Hill, Travis | Credits Requested: | | Total C | redits Earned | 0.0 | 1.0 | 1.0 | 1.0 |
| | Credits Requested: | | iotaic | reuits carried | 0.0 | 1.0 | 1.0 | 1.0 |

| | Welcome & Keynote Address | 8/13/24 8:00 | 8/13/24 9:00 | 1:00 | | 1.0 | 1.0 | 1.0 |
|--------------------|--|---------------|---------------|---------------|-----|-----|-----|-----|
| Hilt, Alex | Credits Requested: PDHs | | Total C | redits Earned | 0.0 | 4.0 | 4.0 | 4.0 |
| | Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | 8/13/24 14:03 | 8/13/24 14:29 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 15:48 | 8/13/24 16:29 | 0:41 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:31 | 8/13/24 16:56 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:32 | 8/14/24 11:03 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | Water and Wastewater Workforce Development – Is your community ready for the challenge? | 8/14/24 13:25 | 8/14/24 14:30 | 1:04 | | 1.0 | 1.0 | 1.0 |
| | Indiana Law and Statutes | 8/14/24 15:17 | 8/14/24 15:52 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | Leading Change | 8/14/24 16:29 | 8/14/24 16:58 | 0:28 | | 0.5 | 0.5 | 0.5 |
| Hitz-Bradley, Anna | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 3.0 | 2.5 | 5.5 | 5.5 |
| | 50 Years Later and SND Still Works | 8/14/24 13:29 | 8/14/24 14:01 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:05 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:58 | 8/14/24 16:26 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Transforming Compliance Using Collaborative Technology | 8/14/24 16:32 | 8/14/24 16:57 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility | 8/15/24 8:01 | 8/15/24 8:30 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Emergency Preparedness and Procedures | 8/15/24 8:31 | 8/15/24 9:10 | 0:38 | | 0.5 | 0.5 | 0.5 |
| | Procedures Primary Clarifier Sludge and Scum | 8/15/24 9:11 | 8/15/24 9:40 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | City of Kalamazoo's Holistic Approach to Selecting New Process Technologies | 8/15/24 9:44 | 8/15/24 10:50 | 1:05 | | 1.0 | 1.0 | 1.0 |

| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:58 | 8/15/24 11:25 | 0:27 | | 0.5 | 0.5 | 0.5 |
|--------------|---|---------------|---------------|----------------|-----|-----|------|------|
| | It's Raining N! The Future of Total Nitrogen Limits | 8/15/24 11:21 | 8/15/24 11:55 | 0:34 | 0.5 | | 0.5 | 0.5 |
| Hobbs, Matt | | | | | | | | |
| | Credits Requested: | | Total C | Credits Earned | 3.0 | 1.0 | 4.0 | 4.0 |
| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:43 | 8/13/24 11:40 | 0:57 | 1.0 | | 1.0 | 1.0 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:22 | 8/13/24 13:56 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:02 | 8/13/24 14:27 | 0:24 | 0.5 | | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 15:52 | 8/13/24 16:29 | 0:37 | | 0.5 | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:24 | 8/14/24 14:00 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:04 | 8/14/24 14:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:17 | 8/14/24 15:55 | 0:37 | | 0.5 | 0.5 | 0.5 |
| Hobson, Todd | | | | | | | | |
| | Credits Requested: Wastev | vater | Total C | redits Earned | 9.0 | 2.0 | 11.0 | 11.0 |
| | Welcome & Keynote Address | 8/13/24 7:49 | 8/13/24 9:00 | 1:10 | | 1.0 | 1.0 | 1.0 |
| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:35 | 8/13/24 11:40 | 1:05 | 1.0 | | 1.0 | 1.0 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:16 | 8/13/24 13:57 | 0:40 | 0.5 | | 0.5 | 0.5 |
| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 13:58 | 8/13/24 14:26 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:55 | 8/13/24 15:25 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 8:02 | 8/14/24 8:30 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:27 | 8/14/24 9:00 | 0:33 | 0.5 | | 0.5 | 0.5 |

| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:27 | 8/14/24 10:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
|----------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:03 | 8/14/24 10:59 | 0:56 | | 1.0 | 1.0 | 1.0 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:23 | 8/14/24 14:00 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:01 | 8/14/24 14:30 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Enforcement Response Plan, Violations, and Significant Non- Compliance | 8/14/24 15:15 | 8/14/24 16:14 | 0:59 | 1.0 | | 1.0 | 1.0 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:27 | 8/14/24 16:55 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Ultra-Low Phosphorus Limits | 8/15/24 7:53 | 8/15/24 8:30 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:32 | 8/15/24 9:05 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:08 | 8/15/24 9:40 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:37 | 8/15/24 10:15 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:11 | 8/15/24 10:45 | 0:34 | 0.5 | | 0.5 | 0.5 |
| Holden, Robert | | | = | 11. = 1 | | 0.0 | 0.5 | 0.5 |
| | Credits Requested: PDHs | | I otal C | redits Earned | 6.5 | 2.0 | 8.5 | 8.5 |
| | Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:50 | 8/14/24 8:25 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:29 | 8/14/24 9:00 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:32 | 8/14/24 10:00 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:02 | 8/14/24 10:37 | 0:35 | | 0.5 | 0.5 | 0.5 |
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:37 | 8/14/24 11:03 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | 50 Years Later and SND Still Works | 8/14/24 13:24 | 8/14/24 14:01 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | | |

| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:04 | 8/14/24 14:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
|--------------------|--|----------------------|---------------|----------------|-----|-----|-----|-----|
| | Adaptive mixing and process optimization with energy savings | 8/14/24 15:17 | 8/14/24 15:50 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Getting the Next Generation Excited about Wastewater | 8/14/24 16:00 | 8/14/24 16:25 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Enhancing the absorption capacity of GAC to remove PFAS from water | 8/14/24 16:30 | 8/14/24 16:55 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Ultra-Low Phosphorus Limits | 8/15/24 7:50 | 8/15/24 8:30 | 0:40 | 0.5 | | 0.5 | 0.5 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:37 | 8/15/24 9:38 | 1:01 | 1.0 | | 1.0 | 1.0 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:45 | 8/15/24 10:15 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:13 | 8/15/24 10:46 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:54 | 8/15/24 11:25 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | It's Raining N! The Future of Total Nitrogen Limits | 8/15/24 11:27 | 8/15/24 11:55 | 0:27 | 0.5 | | 0.5 | 0.5 |
| Holding, Alan | | | | | | | _ | _ |
| | Credits Requested: | | Total C | Credits Earned | 0.0 | 1.0 | 1.0 | 1.0 |
| | Rate inequity: are your residents subsidizing the growth in your community? | 8/14/24 9:29 | 8/14/24 10:30 | 1:01 | | 1.0 | 1.0 | 1.0 |
| Hollinden, Greg E. | | | | | | | | |
| | Credits Requested: Drinkin | ng Water, Wastewater | Total C | redits Earned | 6.0 | 0.0 | 5.5 | 5.5 |
| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:39 | 8/13/24 11:40 | 1:01 | 1.0 | | 1.0 | 1.0 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:35 | 8/13/24 14:00 | 0:25 | 0.5 | | 0.0 | 0.0 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:02 | 8/13/24 14:27 | 0:24 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:30 | 8/14/24 9:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:34 | 8/14/24 10:00 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:05 | 8/14/24 10:35 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | | |

| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:27 | 8/14/24 11:05 | 0:38 | 0.5 | | 0.5 | 0.5 |
|-------------|---|---------------|---------------|----------------|-----|-----|------|------|
| | 50 Years Later and SND Still Works | 8/14/24 13:32 | 8/14/24 14:01 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:03 | 8/14/24 14:30 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:46 | 8/15/24 10:15 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:10 | 8/15/24 10:46 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Hood, Bryan | Credits Requested: PDHs | | Total C | redits Earned | 7.5 | 4.0 | 11.5 | 11.5 |
| | | | TOLATE | redits carried | 7.5 | 4.0 | 11.5 | 11.5 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:37 | 8/13/24 11:10 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:07 | 8/13/24 11:47 | 0:40 | 0.5 | | 0.5 | 0.5 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:27 | 8/13/24 14:00 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:03 | 8/13/24 14:32 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures | 8/13/24 15:00 | 8/13/24 15:26 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 16:00 | 8/13/24 16:26 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:31 | 8/13/24 16:56 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Mastering the Art of Master Planning | 8/14/24 7:47 | 8/14/24 9:00 | 1:13 | 1.0 | | 1.0 | 1.0 |
| | Using Al, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:31 | 8/14/24 10:00 | 0:28 | 0.5 | | 0.5 | 0.5 |

| | North Interceptor Sewer - Danville, IN | 8/14/24 10:04 | 8/14/24 10:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
|------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:28 | 8/14/24 11:05 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:25 | 8/14/24 14:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:01 | 8/14/24 14:30 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:17 | 8/14/24 15:55 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:50 | 8/14/24 16:26 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:27 | 8/14/24 16:55 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility | 8/15/24 7:50 | 8/15/24 8:30 | 0:40 | | 0.5 | 0.5 | 0.5 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:27 | 8/15/24 9:05 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:09 | 8/15/24 9:40 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | City of Kalamazoo's Holistic Approach to Selecting New Process Technologies | 8/15/24 9:43 | 8/15/24 10:50 | 1:07 | | 1.0 | 1.0 | 1.0 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:53 | 8/15/24 11:25 | 0:31 | | 0.5 | 0.5 | 0.5 |
| Hood, Josh | Credits Requested: PDHs | | Total C | redits Earned | 4.0 | 0.0 | 4.0 | 4.0 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:57 | 8/14/24 8:25 | 0:27 | 0.5 | 0.0 | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:29 | 8/14/24 9:00 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | | |

| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:25 | 8/14/24 10:00 | 0:34 | 0.5 | | 0.5 | 0.5 |
|-----------------|---|--------------------------------|--------------------------------|---------------|-----|-----|------|------|
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:04 | 8/14/24 10:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:27 | 8/14/24 11:05 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:28 | 8/14/24 14:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:01 | 8/14/24 14:30 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:15 | 8/14/24 15:55 | 0:39 | 0.5 | | 0.5 | 0.5 |
| House, Jason | Credits Requested: | | | redits Earned | 0.0 | 0.5 | 0.5 | 0.5 |
| | Operator Certification Update | 8/13/24 10:30 | 8/13/24 11:06 | 0:36 | | 0.5 | 0.5 | 0.5 |
| House, Mitch | Credits Requested: PDHs | | Total C | redits Earned | 1.0 | 0.5 | 1.5 | 1.5 |
| | 50 Years Later and SND Still Works | 8/14/24 13:34 | 8/14/24 14:01 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:05 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:20 | 8/14/24 15:55 | 0:34 | | 0.5 | 0.5 | 0.5 |
| Howell, Patrick | | | | | 0.5 | | 44.5 | 44.5 |
| | Credits Requested: Wastev | | | redits Earned | 8.5 | 3.0 | 11.5 | 11.5 |
| | Welcome & Keynote Address | 8/13/24 8:05 | 8/13/24 9:00 | 0:54 | | 1.0 | 1.0 | 1.0 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:27 | 8/13/24 11:41 | 1:14 | 1.0 | | 1.0 | 1.0 |
| | - tour the tour tour tour tour tour tour tour tour | | | | | | | |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:15 | 8/13/24 13:57 | 0:41 | 0.5 | | 0.5 | 0.5 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to | 8/13/24 13:15 8/13/24 14:02 | 8/13/24 13:57 8/13/24 14:27 | 0:41 | 0.5 | | 0.5 | 0.5 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities Optimizing Final Clarifiers – From Concept to Demonstrated | | | | | | | |

| | Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:53 | 8/13/24 16:55 | 1:01 | 1.0 | | 1.0 | 1.0 |
|----------------|--|---------------|---------------|---------------|-----|-----|------|------|
| | Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:52 | 8/14/24 8:25 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:29 | 8/14/24 9:00 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:25 | 8/14/24 10:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:04 | 8/14/24 10:59 | 0:54 | | 1.0 | 1.0 | 1.0 |
| | 50 Years Later and SND Still Works | 8/14/24 13:26 | 8/14/24 14:01 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:06 | 8/14/24 14:35 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Adaptive mixing and process optimization with energy savings | 8/14/24 15:17 | 8/14/24 15:50 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Getting the Next Generation Excited about Wastewater | 8/14/24 15:59 | 8/14/24 16:25 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Wastewater Challenge Demonstration | 8/14/24 16:28 | 8/14/24 16:55 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | Ultra-Low Phosphorus Limits | 8/15/24 7:48 | 8/15/24 8:30 | 0:41 | 0.5 | | 0.5 | 0.5 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:32 | 8/15/24 9:38 | 1:06 | 1.0 | | 1.0 | 1.0 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:40 | 8/15/24 10:15 | 0:34 | 0.5 | | 0.5 | 0.5 |
| Huckstep, Matt | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 0.0 | 1.0 | 1.0 | 1.0 |
| | Getting the Next Generation Excited about Wastewater | 8/14/24 15:57 | 8/14/24 16:25 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Wastewater Challenge Demonstration | 8/14/24 16:28 | 8/14/24 16:55 | 0:27 | | 0.5 | 0.5 | 0.5 |
| Hudson, Daniel | | | = | | 7.5 | | 12.0 | 12.0 |
| | Credits Requested: Waste | | | redits Earned | 7.5 | 5.5 | 13.0 | 13.0 |
| | Welcome & Keynote Address | 8/13/24 7:51 | 8/13/24 9:00 | 1:08 | | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:12 | 1:01 | | 1.0 | 1.0 | 1.0 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:30 | 8/13/24 13:57 | 0:26 | 0.5 | | 0.5 | 0.5 |

| Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:02 | 8/13/24 14:27 | 0:25 | 0.5 | | 0.5 | 0.5 |
|--|--|---|---|--|---|---|--|
| Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:51 | 8/13/24 15:25 | 0:33 | 0.5 | | 0.5 | 0.5 |
| The Danish story of using low- hanging-fruit to reduce energy, carbon, and resourcesgy and carbon | 8/13/24 15:57 | 8/13/24 16:55 | 0:58 | 1.0 | | 1.0 | 1.0 |
| Energy Efficient Retrofits of Oxidation ditches | 8/14/24 8:00 | 8/14/24 8:25 | 0:25 | 0.5 | | 0.5 | 0.5 |
| Benefits of Big Bubble Mixing | 8/14/24 8:35 | 8/14/24 9:00 | 0:24 | 0.5 | | 0.5 | 0.5 |
| Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:26 | 8/14/24 10:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| Using your data and SCADA for maintenance and savings | 8/14/24 10:03 | 8/14/24 10:59 | 0:56 | | 1.0 | 1.0 | 1.0 |
| 50 Years Later and SND Still Works | 8/14/24 13:25 | 8/14/24 14:01 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:04 | 8/14/24 14:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Indiana Law and Statutes | 8/14/24 15:17 | 8/14/24 16:21 | 1:04 | | 1.0 | 1.0 | 1.0 |
| Enhancing the absorption capacity of GAC to remove PFAS from water | 8/14/24 16:24 | 8/14/24 16:55 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Ultra-Low Phosphorus Limits | 8/15/24 7:58 | 8/15/24 8:30 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:33 | 8/15/24 9:38 | 1:05 | 1.0 | | 1.0 | 1.0 |
| City of Kalamazoo's Holistic Approach to Selecting New Process Technologies | 8/15/24 9:38 | 8/15/24 10:50 | 1:12 | | 1.0 | 1.0 | 1.0 |
| Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:52 | 8/15/24 11:25 | 0:33 | | 0.5 | 0.5 | 0.5 |
| Grit Happens - Sustainable Solutions for Grit Management | 8/15/24 11:30 | 8/15/24 11:55 | 0:25 | 0.5 | | 0.5 | 0.5 |
| At WWTPs | | | | | | | |
| At WWTPs | | | 11 1 | 0.5 | 4.0 | 40.5 | 10.5 |
| At WWTPs Credits Requested: PDHs | | | redits Earned | 6.5 | 4.0 | 10.5 | 10.5 |
| At WWTPs | 8/13/24 7:53 | Total C 8/13/24 9:00 | redits Earned | 6.5 | 4.0 | 10.5 | 10.5 |
| | From Concept to Demonstrated Performance Benefits of Partnering to Reduce Inflow and Infiltration The Danish story of using low- hanging-fruit to reduce energy, carbon, and resourcesgy and carbon Energy Efficient Retrofits of Oxidation ditches Benefits of Big Bubble Mixing Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections Using your data and SCADA for maintenance and savings 50 Years Later and SND Still Works Requirements vs. Reality - Design Capacity Compared to Real World Observations Indiana Law and Statutes Enhancing the absorption capacity of GAC to remove PFAS from water Ultra-Low Phosphorus Limits Informed Decision-Making for Electrical and Controls Systems City of Kalamazoo's Holistic Approach to Selecting New Process Technologies Contrasting Design Considerations: Municipal Vs Industrial WWTPs | From Concept to Demonstrated Performance Benefits of Partnering to Reduce Inflow and Infiltration The Danish story of using low-hanging-fruit to reduce energy, carbon, and resourcesgy and carbon Energy Efficient Retrofits of Oxidation ditches Benefits of Big Bubble Mixing 8/14/24 8:35 Using Al, GIS & Digital Twins to Drive Smarter Sewer Inspections Using your data and SCADA for maintenance and savings 50 Years Later and SND Still 8/14/24 13:25 Works Requirements vs. Reality - Design Capacity Compared to Real World Observations Indiana Law and Statutes 8/14/24 15:17 Enhancing the absorption capacity of GAC to remove PFAS from water Ultra-Low Phosphorus Limits 8/15/24 7:58 Informed Decision-Making for Electrical and Controls Systems City of Kalamazoo's Holistic Approach to Selecting New Process Technologies Contrasting Design Considerations: Municipal Vs Industrial WWTPs Grit Happens - Sustainable | From Concept to Demonstrated Performance Benefits of Partnering to Reduce Inflow and Infiltration The Danish story of using low-hanging-fruit to reduce energy, arbon | ### From Concept to Demonstrated Performance ### Benefits of Partnering to Reduce Inflow and Infiltration ### Denish story of using low-hanging-fruit to reduce energy, and resourcesy and carbon ### Energy Efficient Retrofits of Oxidation ditches ### Benefits of Big Bubble Mixing ### Bubble Mixin | From Concept to Demonstrated 8/13/24 14:02 8/13/24 14:27 0:25 0.5 | From Concept to Demonstrated 8/13/24 14:02 8/13/24 14:27 0:25 0.5 | From Concept to Demonstrated 8/13/24 14:02 8/13/24 14:27 0:25 0.5 0.5 0.5 Performance Benefits of Partnering to Reduce Inflow and Infiltration 8/13/24 14:51 8/13/24 15:25 0:33 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 |

| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:38 | 8/13/24 11:10 | 0:31 | 0.5 | | 0.5 | 0.5 |
|----------------------|--|---------------|---------------|---------------|-----|-----|-----|-----|
| | Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap | 8/13/24 11:12 | 8/13/24 11:42 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:28 | 8/13/24 13:56 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:03 | 8/13/24 14:32 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures | 8/13/24 14:56 | 8/13/24 15:25 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:58 | 8/13/24 16:26 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Out In The Field Not In A Book | 8/14/24 8:00 | 8/14/24 8:57 | 0:56 | 1.0 | | 1.0 | 1.0 |
| | Water Treatment Regulatory Terms & Definitions | 8/14/24 9:25 | 8/14/24 9:59 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Challenges In The Field | 8/14/24 10:05 | 8/14/24 10:56 | 0:51 | 1.0 | | 1.0 | 1.0 |
| | Electrical Safety for Wastewater Operators and Maintenance Personnel | 8/15/24 8:04 | 8/15/24 8:30 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | Optimizing Blower Filtration for Reliability, efficiency, and Value | 8/15/24 9:09 | 8/15/24 10:15 | 1:06 | 1.0 | | 1.0 | 1.0 |
| | Keeping pace with current dynamic state of UV disinfection. An overview of different style UV systems, and what are the drivers when picking between technologies. | 8/15/24 10:19 | 8/15/24 11:30 | 1:11 | 1.0 | | 1.0 | 1.0 |
| | It's Raining N! The Future of Total Nitrogen Limits | 8/15/24 11:29 | 8/15/24 11:55 | 0:25 | 0.5 | | 0.5 | 0.5 |
| Humerickhouse, Allen | | | | | | | | |
| | Credits Requested: Waster | | | redits Earned | 4.0 | 2.0 | 6.0 | 6.0 |
| | Operator Certification Update | 8/13/24 10:36 | 8/13/24 11:06 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap | 8/13/24 11:09 | 8/13/24 11:42 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:34 | 8/13/24 14:00 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | | |

| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 15:00 | 8/13/24 15:26 | 0:26 | 0.5 | | 0.5 | 0.5 |
|-----------------|--|---|---|------------------------------|-------------------|-----|-------------------|-------------------|
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:58 | 8/14/24 8:25 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:29 | 8/14/24 9:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:31 | 8/14/24 10:00 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:04 | 8/14/24 10:59 | 0:55 | | 1.0 | 1.0 | 1.0 |
| | 21ST Century FOG Management | 8/14/24 13:27 | 8/14/24 13:59 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | IU Permits and Applying the Combined Wastestream Formula | 8/14/24 14:04 | 8/14/24 14:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Adaptive mixing and process optimization with energy savings | 8/14/24 15:20 | 8/14/24 15:50 | 0:30 | 0.5 | | 0.5 | 0.5 |
| insucker, Scott | | | | | | | | |
| | Credits Requested: Wastev | vater | Total C | redits Earned | 10.5 | 2.5 | 13.0 | 13.0 |
| | Welcome & Keynote Address | 8/13/24 7:51 | 8/13/24 9:00 | 1:08 | | 1.0 | 1.0 | 1.0 |
| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:29 | 8/13/24 11:40 | 1:11 | 1.0 | | 1.0 | 1.0 |
| | | | | | | | | |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:15 | 8/13/24 13:56 | 0:40 | 0.5 | | 0.5 | 0.5 |
| | PFAS Regulations Impact on the | 8/13/24 13:15 8/13/24 14:02 | 8/13/24 13:56 8/13/24 14:27 | 0:40 | 0.5 | | 0.5 | 0.5 |
| | PFAS Regulations Impact on the Future of Land Application Optimizing Final Clarifiers – From Concept to Demonstrated | , , | | | | | | |
| | PFAS Regulations Impact on the Future of Land Application Optimizing Final Clarifiers — From Concept to Demonstrated Performance Benefits of Partnering to Reduce | 8/13/24 14:02 | 8/13/24 14:27 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | PFAS Regulations Impact on the Future of Land Application Optimizing Final Clarifiers — From Concept to Demonstrated Performance Benefits of Partnering to Reduce Inflow and Infiltration The Danish story of using low-hanging-fruit to reduce energy, carbon, and resourcesgy and | 8/13/24 14:02 8/13/24 14:48 | 8/13/24 14:27 8/13/24 15:25 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | PFAS Regulations Impact on the Future of Land Application Optimizing Final Clarifiers — From Concept to Demonstrated Performance Benefits of Partnering to Reduce Inflow and Infiltration The Danish story of using low-hanging-fruit to reduce energy, carbon, and resourcesgy and carbon Energy Efficient Retrofits of | 8/13/24 14:02 8/13/24 14:48 8/13/24 15:52 | 8/13/24 14:27 8/13/24 15:25 8/13/24 16:55 | 0:25 0:37 1:02 | 0.5 | | 0.5 | 0.5 |
| | PFAS Regulations Impact on the Future of Land Application Optimizing Final Clarifiers — From Concept to Demonstrated Performance Benefits of Partnering to Reduce Inflow and Infiltration The Danish story of using low-hanging-fruit to reduce energy, carbon, and resourcesgy and carbon Energy Efficient Retrofits of Oxidation ditches | 8/13/24 14:02 8/13/24 14:48 8/13/24 15:52 8/14/24 7:49 | 8/13/24 14:27 8/13/24 15:25 8/13/24 16:55 8/14/24 8:25 | 0:25 0:37 1:02 0:35 | 0.5 0.5 1.0 | | 0.5 0.5 1.0 | 0.5 0.5 1.0 |

| Credits Requested: Energy Efficient Retrofits of Oxidation ditches Hydraulic Modeling - What is it good for? WWTP Non-Potable Water Systems – The Neglected Plant Process Challenges In The Field 50 Years Later and SND Still Works IU Permits and Applying the Combined Wastestream Formula | | | | | | | |
|---|-------------------|---------------|---------------|-----|-----|-----|-----|
| Design Capacity Compared to Real World Observations Lafayette Prairie Oaks Pipeline Rehab Use of Pipe Storage System for Sustainable CSO Reduction Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket Ultra-Low Phosphorus Limits Informed Decision-Making for Electrical and Controls Systems Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges Sustained 60 MGD? Sure, why not! Contrasting Design Considerations: Municipal Vs Industrial WWTPs Grit Happens - Sustainable Solutions for Grit Management At WWTPs Hunt, Weston Credits Requested: Energy Efficient Retrofits of Oxidation ditches Hydraulic Modeling - What is it good for? WWTP Non-Potable Water Systems - The Neglected Plant Process Challenges In The Field 50 Years Later and SND Still Works IU Permits and Applying the Combined Wastestream Formula | 8/14/24 13:24 | 8/14/24 14:01 | 0:36 | 0.5 | | 0.5 | 0.5 |
| Rehab Use of Pipe Storage System for Sustainable CSO Reduction Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket Ultra-Low Phosphorus Limits Informed Decision-Making for Electrical and Controls Systems Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges Sustained 60 MGD? Sure, why not! Contrasting Design Considerations: Municipal Vs Industrial WWTPs Grit Happens - Sustainable Solutions for Grit Management At WWTPs Hunt, Weston Credits Requested: Energy Efficient Retrofits of Oxidation ditches Hydraulic Modeling - What is it good for? WWTP Non-Potable Water Systems - The Neglected Plant Process Challenges In The Field 50 Years Later and SND Still Works IU Permits and Applying the Combined Wastestream Formula | 8/14/24 14:03 | 8/14/24 14:35 | 0:32 | 0.5 | | 0.5 | 0.5 |
| Sustainable CSO Reduction Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket Ultra-Low Phosphorus Limits Informed Decision-Making for Electrical and Controls Systems Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges Sustained 60 MGD? Sure, why not! Contrasting Design Considerations: Municipal Vs Industrial WWTPs Grit Happens - Sustainable Solutions for Grit Management At WWTPs Hunt, Weston Credits Requested: Energy Efficient Retrofits of Oxidation ditches Hydraulic Modeling - What is it good for? WWTP Non-Potable Water Systems - The Neglected Plant Process Challenges In The Field 50 Years Later and SND Still Works IU Permits and Applying the Combined Wastestream Formula | 8/14/24 15:13 | 8/14/24 15:55 | 0:42 | 0.5 | | 0.5 | 0.5 |
| Ten Gallons of Pump Station in a Five Gallon Bucket Ultra-Low Phosphorus Limits Informed Decision-Making for Electrical and Controls Systems Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges Sustained 60 MGD? Sure, why not! Contrasting Design Considerations: Municipal Vs Industrial WWTPs Grit Happens - Sustainable Solutions for Grit Management At WWTPs Hunt, Weston Credits Requested: Energy Efficient Retrofits of Oxidation ditches Hydraulic Modeling - What is it good for? WWTP Non-Potable Water Systems - The Neglected Plant Process Challenges In The Field 50 Years Later and SND Still Works IU Permits and Applying the Combined Wastestream Formula | 8/14/24 15:50 | 8/14/24 16:26 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Informed Decision-Making for Electrical and Controls Systems Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges Sustained 60 MGD? Sure, why not! Contrasting Design Considerations: Municipal Vs Industrial WWTPs Grit Happens - Sustainable Solutions for Grit Management At WWTPs Hunt, Weston Credits Requested: Energy Efficient Retrofits of Oxidation ditches Hydraulic Modeling - What is it good for? WWTP Non-Potable Water Systems - The Neglected Plant Process Challenges In The Field 50 Years Later and SND Still Works IU Permits and Applying the Combined Wastestream Formula | 8/14/24 16:27 | 8/14/24 16:55 | 0:28 | 0.5 | | 0.5 | 0.5 |
| Electrical and Controls Systems Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges Sustained 60 MGD? Sure, why not! Contrasting Design Considerations: Municipal Vs Industrial WWTPs Grit Happens - Sustainable Solutions for Grit Management At WWTPs Hunt, Weston Credits Requested: Energy Efficient Retrofits of Oxidation ditches Hydraulic Modeling - What is it good for? WWTP Non-Potable Water Systems - The Neglected Plant Process Challenges In The Field 50 Years Later and SND Still Works IU Permits and Applying the Combined Wastestream Formula | 8/15/24 7:53 | 8/15/24 8:30 | 0:37 | 0.5 | | 0.5 | 0.5 |
| Solutions for Variable Flow Challenges Sustained 60 MGD? Sure, why not! Contrasting Design Considerations: Municipal Vs Industrial WWTPs Grit Happens - Sustainable Solutions for Grit Management At WWTPs Hunt, Weston Credits Requested: Energy Efficient Retrofits of Oxidation ditches Hydraulic Modeling - What is it good for? WWTP Non-Potable Water Systems - The Neglected Plant Process Challenges In The Field 50 Years Later and SND Still Works IU Permits and Applying the Combined Wastestream Formula | 8/15/24 8:32 | 8/15/24 9:38 | 1:05 | 1.0 | | 1.0 | 1.0 |
| not! Contrasting Design Considerations: Municipal Vs Industrial WWTPs Grit Happens - Sustainable Solutions for Grit Management At WWTPs Hunt, Weston Credits Requested: Energy Efficient Retrofits of Oxidation ditches Hydraulic Modeling - What is it good for? WWTP Non-Potable Water Systems - The Neglected Plant Process Challenges In The Field 50 Years Later and SND Still Works IU Permits and Applying the Combined Wastestream Formula | 8/15/24 9:41 | 8/15/24 10:15 | 0:33 | 0.5 | | 0.5 | 0.5 |
| Considerations: Municipal Vs Industrial WWTPs Grit Happens - Sustainable Solutions for Grit Management At WWTPs Hunt, Weston Credits Requested: Energy Efficient Retrofits of Oxidation ditches Hydraulic Modeling - What is it good for? WWTP Non-Potable Water Systems - The Neglected Plant Process Challenges In The Field 50 Years Later and SND Still Works IU Permits and Applying the Combined Wastestream Formula | 8/15/24 10:10 | 8/15/24 10:46 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Solutions for Grit Management At WWTPs Hunt, Weston Credits Requested: Energy Efficient Retrofits of Oxidation ditches Hydraulic Modeling - What is it good for? WWTP Non-Potable Water Systems - The Neglected Plant Process Challenges In The Field 50 Years Later and SND Still Works IU Permits and Applying the Combined Wastestream | 8/15/24 10:53 | 8/15/24 11:25 | 0:31 | | 0.5 | 0.5 | 0.5 |
| Credits Requested: Energy Efficient Retrofits of Oxidation ditches Hydraulic Modeling - What is it good for? WWTP Non-Potable Water Systems – The Neglected Plant Process Challenges In The Field 50 Years Later and SND Still Works IU Permits and Applying the Combined Wastestream Formula | 8/15/24 11:20 | 8/15/24 11:55 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Energy Efficient Retrofits of Oxidation ditches Hydraulic Modeling - What is it good for? WWTP Non-Potable Water Systems - The Neglected Plant Process Challenges In The Field 50 Years Later and SND Still Works IU Permits and Applying the Combined Wastestream Formula | | | - · · - · · | | | | |
| Oxidation ditches Hydraulic Modeling - What is it good for? WWTP Non-Potable Water Systems - The Neglected Plant Process Challenges In The Field 50 Years Later and SND Still Works IU Permits and Applying the Combined Wastestream Formula | | Total C | redits Earned | 3.5 | 0.0 | 3.5 | 3.5 |
| good for? WWTP Non-Potable Water Systems – The Neglected Plant Process Challenges In The Field 50 Years Later and SND Still Works IU Permits and Applying the Combined Wastestream Formula | 8/14/24 7:56 | 8/14/24 8:25 | 0:29 | 0.5 | | 0.5 | 0.5 |
| Systems – The Neglected Plant Process Challenges In The Field 50 Years Later and SND Still Works IU Permits and Applying the Combined Wastestream Formula | 8/14/24 8:27 | 8/14/24 9:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| 50 Years Later and SND Still Works IU Permits and Applying the Combined Wastestream Formula | 8/14/24 9:25 | 8/14/24 10:00 | 0:34 | 0.5 | | 0.5 | 0.5 |
| Works IU Permits and Applying the Combined Wastestream Formula | 8/14/24 10:07 | 8/14/24 11:02 | 0:55 | 1.0 | | 1.0 | 1.0 |
| Combined Wastestream Formula | 8/14/24 13:26 | 8/14/24 14:01 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Husband, Bailey | 8/14/24 14:04 | 8/14/24 14:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Cuadita Danie - ta di | 2011- | Tatal | uadita Camasi | 2.0 | 0.5 | 2 - | 2 「 |
| Credits Requested: Informed Decision-Making for Electrical and Controls Systems | PDHs 8/15/24 8:33 | 8/15/24 9:38 | redits Earned | 2.0 | 0.5 | 1.0 | 2.5 |

| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:37 | 8/15/24 10:15 | 0:37 | 0.5 | | 0.5 | 0.5 |
|---------------|--|-----------------|----------------|---------------|-----|-----|-----|-----|
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 11:00 | 8/15/24 11:25 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | It's Raining N! The Future of Total Nitrogen Limits | 8/15/24 11:31 | 8/15/24 11:56 | 0:25 | 0.5 | | 0.5 | 0.5 |
| Huskey, Logan | | | | | | | | |
| | Credits Requested: Wastew | /ater | Total C | redits Earned | 6.0 | 3.0 | 9.0 | 9.0 |
| | Welcome & Keynote Address | 8/13/24 7:46 | 8/13/24 9:00 | 1:13 | | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:12 | 1:01 | | 1.0 | 1.0 | 1.0 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:34 | 8/13/24 11:41 | 1:07 | 1.0 | | 1.0 | 1.0 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:19 | 8/13/24 13:57 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:02 | 8/13/24 14:27 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:51 | 8/14/24 8:22 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:27 | 8/14/24 9:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:25 | 8/14/24 10:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:02 | 8/14/24 10:59 | 0:56 | | 1.0 | 1.0 | 1.0 |
| | 50 Years Later and SND Still Works | 8/14/24 13:25 | 8/14/24 14:01 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:03 | 8/14/24 14:35 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Ultra-Low Phosphorus Limits | 8/15/24 7:53 | 8/15/24 8:30 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:08 | 8/15/24 9:40 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:37 | 8/15/24 10:15 | 0:37 | 0.5 | | 0.5 | 0.5 |
| Huston, John | Credits Requested: PDHs | | Total C | redits Earned | 2.0 | 0.0 | 2.0 | 2.0 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:32 | 8/14/24 9:00 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Deficites of Dig Dubble Wilking | 5, 1., 2., 5.52 | 5, 27, 27 5.00 | V, | 0.0 | | 5.5 | |

| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:34 | 8/14/24 10:00 | 0:25 | 0.5 | | 0.5 | 0.5 |
|--------------|---|---------------|---------------|---------------|------|-----|------|------|
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:06 | 8/14/24 10:35 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer — The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:30 | 8/14/24 11:05 | 0:35 | 0.5 | | 0.5 | 0.5 |
| tson, Karrie | Credits Requested: Wastev | vater | Total C | redits Earned | 10.5 | 1.5 | 12.0 | 12.0 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:30 | 8/13/24 11:41 | 1:10 | 1.0 | | 1.0 | 1.0 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:16 | 8/13/24 13:56 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 13:58 | 8/13/24 14:26 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:57 | 8/13/24 15:26 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:55 | 8/13/24 16:26 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:30 | 8/13/24 16:56 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:53 | 8/14/24 8:22 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:29 | 8/14/24 9:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:25 | 8/14/24 10:00 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:03 | 8/14/24 10:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:26 | 8/14/24 11:05 | 0:39 | 0.5 | | 0.5 | 0.5 |

| | 21ST Century FOG Management | 8/14/24 13:16 | 8/14/24 13:59 | 0:43 | 0.5 | | 0.5 | 0.5 |
|---------------|--|---------------|---------------|-----------------|-----|-----|-----|-----|
| | IU Permits and Applying the Combined Wastestream Formula | 8/14/24 14:05 | 8/14/24 14:35 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Enforcement Response Plan, Violations, and Significant Non- Compliance | 8/14/24 15:15 | 8/14/24 16:14 | 0:59 | 1.0 | | 1.0 | 1.0 |
| | Enhancing the absorption capacity of GAC to remove PFAS from water | 8/14/24 16:28 | 8/14/24 16:55 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Ultra-Low Phosphorus Limits | 8/15/24 7:50 | 8/15/24 8:30 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:32 | 8/15/24 9:38 | 1:06 | 1.0 | | 1.0 | 1.0 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:43 | 8/15/24 10:15 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:09 | 8/15/24 10:46 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:53 | 8/15/24 11:25 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | It's Raining N! The Future of Total Nitrogen Limits | 8/15/24 11:21 | 8/15/24 11:55 | 0:34 | 0.5 | | 0.5 | 0.5 |
| Hutton, Aaron | Credits Requested: PDHs | | Total C | redits Earned | 4.0 | 1.0 | 5.0 | 5.0 |
| | · · | | Total C | ileuits Lailleu | 4.0 | 1.0 | 3.0 | 3.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:37 | 8/13/24 11:10 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap | 8/13/24 11:09 | 8/13/24 11:42 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:30 | 8/13/24 13:56 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:49 | 8/13/24 15:25 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Mastering the Art of Master Planning | 8/14/24 7:59 | 8/14/24 9:00 | 1:00 | 1.0 | | 1.0 | 1.0 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:03 | 8/14/24 10:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:33 | 8/14/24 11:03 | 0:30 | | 0.5 | 0.5 | 0.5 |

| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:29 | 8/14/24 14:00 | 0:31 | 0.5 | | 0.5 | 0.5 |
|---------------|--|---------------|---------------|---------------|-----|-----|------|------|
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:05 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| Huwe, Patrick | Credits Requested: Waster | | Total C | redits Earned | 5.5 | 7.0 | 12.5 | 12.5 |
| | · · · · · · · · · · · · · · · · · · · | 8/13/24 8:06 | 8/13/24 9:00 | 0:53 | 5.5 | 1.0 | 1.0 | 1.0 |
| | Welcome & Keynote Address Operator Certification Update | 8/13/24 10:30 | 8/13/24 11:06 | 0:36 | | 0.5 | 0.5 | 0.5 |
| | Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap | 8/13/24 11:08 | 8/13/24 11:42 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks | 8/13/24 13:30 | 8/13/24 13:57 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:02 | 8/13/24 14:27 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:53 | 8/13/24 15:26 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:50 | 8/13/24 16:26 | 0:36 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:31 | 8/13/24 16:56 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Mastering the Art of Master Planning | 8/14/24 8:08 | 8/14/24 9:00 | 0:52 | 1.0 | | 1.0 | 1.0 |
| | Rate inequity: are your residents subsidizing the growth in your community? | 8/14/24 9:20 | 8/14/24 10:30 | 1:09 | | 1.0 | 1.0 | 1.0 |
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:37 | 8/14/24 11:03 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Ethics in Engineering | 8/14/24 13:24 | 8/14/24 14:30 | 1:06 | | 1.0 | 1.0 | 1.0 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:13 | 8/14/24 15:55 | 0:42 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:51 | 8/14/24 16:26 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:30 | 8/14/24 16:58 | 0:27 | 0.5 | | 0.5 | 0.5 |

| | Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility | 8/15/24 8:05 | 8/15/24 8:30 | 0:25 | | 0.5 | 0.5 | 0.5 |
|--------------|---|---------------|---------------|---------------|-----|-----|------|------|
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:39 | 8/15/24 9:05 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:07 | 8/15/24 9:40 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:37 | 8/15/24 10:15 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:55 | 8/15/24 11:25 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens - Sustainable Solutions for Grit Management At WWTPs | 8/15/24 11:29 | 8/15/24 11:55 | 0:26 | 0.5 | | 0.5 | 0.5 |
| Hyden, Larry | 0 11: D | | | | 7.5 | 0.5 | 10.0 | 10.0 |
| | Credits Requested: Waster | | | redits Earned | 7.5 | 2.5 | 10.0 | 10.0 |
| | Welcome & Keynote Address | 8/13/24 7:48 | 8/13/24 9:00 | 1:11 | | 1.0 | 1.0 | 1.0 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:34 | 8/13/24 11:41 | 1:07 | 1.0 | | 1.0 | 1.0 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:26 | 8/13/24 13:57 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:02 | 8/13/24 14:27 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Energy Efficient Retrofits of Oxidation ditches | 8/14/24 8:00 | 8/14/24 8:25 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:31 | 8/14/24 9:00 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:29 | 8/14/24 10:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:04 | 8/14/24 10:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:35 | 8/14/24 11:05 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | 50 Years Later and SND Still | 8/14/24 13:32 | 8/14/24 14:01 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Works | | | | | | | |

| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:02 | 8/14/24 14:30 | 0:27 | 0.5 | | 0.5 | 0.5 |
|-----------------|--|---------------|---------------|---------------|------|-----|------|------|
| | Ultra-Low Phosphorus Limits | 8/15/24 8:02 | 8/15/24 8:30 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:38 | 8/15/24 9:38 | 0:59 | 1.0 | | 1.0 | 1.0 |
| | City of Kalamazoo's Holistic Approach to Selecting New Process Technologies | 8/15/24 9:44 | 8/15/24 10:50 | 1:06 | | 1.0 | 1.0 | 1.0 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 11:00 | 8/15/24 11:25 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens - Sustainable Solutions for Grit Management At WWTPs | 8/15/24 11:30 | 8/15/24 11:55 | 0:25 | 0.5 | | 0.5 | 0.5 |
| Ingram, Bridget | | | | | | | | |
| | Credits Requested: PDHs | | | redits Earned | 11.0 | 2.5 | 13.5 | 13.5 |
| | Welcome & Keynote Address | 8/13/24 8:00 | 8/13/24 9:00 | 0:59 | | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:12 | 1:01 | | 1.0 | 1.0 | 1.0 |
| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:29 | 8/13/24 11:39 | 1:09 | 1.0 | | 1.0 | 1.0 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:20 | 8/13/24 13:56 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:54 | 8/13/24 15:26 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | The Danish story of using low- hanging-fruit to reduce energy, carbon, and resourcesgy and carbon | 8/13/24 15:53 | 8/13/24 16:55 | 1:02 | 1.0 | | 1.0 | 1.0 |
| | Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:53 | 8/14/24 8:25 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:29 | 8/14/24 9:00 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:29 | 8/14/24 10:00 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:04 | 8/14/24 10:35 | 0:30 | 0.5 | | 0.5 | 0.5 |

| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:30 | 8/14/24 11:05 | 0:34 | 0.5 | | 0.5 | 0.5 |
|---------------|---|---------------|---------------|---------------|-----|-----|------|------|
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:29 | 8/14/24 14:00 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:06 | 8/14/24 14:35 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:15 | 8/14/24 15:55 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:51 | 8/14/24 16:26 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:28 | 8/14/24 16:55 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Ultra-Low Phosphorus Limits | 8/15/24 7:52 | 8/15/24 8:30 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:31 | 8/15/24 9:05 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:08 | 8/15/24 9:40 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:45 | 8/15/24 10:15 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:19 | 8/15/24 10:46 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:54 | 8/15/24 11:25 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | It's Raining N! The Future of Total Nitrogen Limits | 8/15/24 11:26 | 8/15/24 11:55 | 0:28 | 0.5 | | 0.5 | 0.5 |
| Irwin, Tracey | T | | | | | | | 100 |
| | Credits Requested: PDHs | | Total C | redits Earned | 5.0 | 5.0 | 10.0 | 10.0 |
| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:29 | 8/13/24 11:41 | 1:11 | 1.0 | | 1.0 | 1.0 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:27 | 8/13/24 14:00 | 0:33 | | 0.5 | 0.5 | 0.5 |

| ike | Credits Requested: PDHs | | T-4-1 C | redits Earned | 2.5 | 3.0 | 5.5 | 5.5 |
|-----|---|--------------------------------|--------------------------------|---------------|-----|-----|-----|-----|
| | Grit Happens - Sustainable Solutions for Grit Management At WWTPs | 8/15/24 11:26 | 8/15/24 11:55 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:58 | 8/15/24 11:25 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | City of Kalamazoo's Holistic Approach to Selecting New Process Technologies | 8/15/24 9:44 | 8/15/24 10:50 | 1:05 | | 1.0 | 1.0 | 1.0 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:08 | 8/15/24 9:40 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Emergency Preparedness and Procedures | 8/15/24 8:31 | 8/15/24 9:10 | 0:38 | | 0.5 | 0.5 | 0.5 |
| | Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility | 8/15/24 7:51 | 8/15/24 8:30 | 0:39 | | 0.5 | 0.5 | 0.5 |
| | Enhancing the absorption capacity of GAC to remove PFAS from water | 8/14/24 16:29 | 8/14/24 16:55 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Indiana Law and Statutes | 8/14/24 15:07 | 8/14/24 16:21 | 1:14 | | 1.0 | 1.0 | 1.0 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer Ethics in Engineering | 8/14/24 10:26 8/14/24 13:09 | 8/14/24 11:05 8/14/24 14:30 | 0:39 | 0.5 | 1.0 | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:05 | 8/14/24 10:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:25 | 8/14/24 10:00 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:49 | 8/13/24 15:25 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 14:00 | 8/13/24 14:26 | 0:26 | 0.5 | | 0.5 | 0.5 |

| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:12 | 1:01 | | 1.0 | 1.0 | 1.0 |
|----------------|---|---|--|----------------------|-----|-----|-------------------|-------------------|
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:35 | 8/13/24 11:10 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:09 | 8/13/24 11:47 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:25 | 8/13/24 13:57 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 13:59 | 8/13/24 14:26 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:58 | 8/13/24 15:25 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 15:57 | 8/13/24 16:29 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:30 | 8/13/24 16:56 | 0:25 | | 0.5 | 0.5 | 0.5 |
| m, Dr. Nilufar | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 4.0 | 6.0 | 10.0 | 10.0 |
| | Credits Requested: PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:23 | Total C 8/13/24 13:56 | 0:32 | 0.5 | 6.0 | 0.5 | 0.5 |
| | PFAS Regulations Impact on the | 8/13/24 13:23 8/13/24 14:03 | | | | 0.5 | | |
| | PFAS Regulations Impact on the Future of Land Application Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum | | 8/13/24 13:56 | 0:32 | | | 0.5 | 0.5 |
| | PFAS Regulations Impact on the Future of Land Application Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis Maximizing the Effectiveness of Your Public Education, Outreach | 8/13/24 14:03 | 8/13/24 13:56 8/13/24 14:29 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | PFAS Regulations Impact on the Future of Land Application Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures SRF Basics The Need to Understand and Manage Water Availability | 8/13/24 14:03 8/13/24 14:59 | 8/13/24 13:56 8/13/24 14:29 8/13/24 15:25 | 0:32 0:25 | 0.5 | 0.5 | 0.5 0.5 | 0.5 |
| | PFAS Regulations Impact on the Future of Land Application Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures SRF Basics The Need to Understand and | 8/13/24 14:03 8/13/24 14:59 8/13/24 15:47 | 8/13/24 13:56 8/13/24 14:29 8/13/24 15:25 8/13/24 16:29 | 0:32 0:25 0:26 | 0.5 | 0.5 | 0.5 0.5 0.5 | 0.5 0.5 0.5 |

| Using your data and SCADA for maintenance and savings |
|---|
| Ethics in Engineering 8/14/24 13:34 8/14/24 14:30 0:56 1.0 1.0 1.0 indiana Law and Statutes 8/14/24 15:16 8/14/24 16:21 1:05 1.0 1.0 1.0 Enhancing the absorption capacity of GAC to remove PFAS from water Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility Back to Basics: Review of UV Disinfection Optimizing Blower Filtration for 8/15/24 8:37 8/15/24 9:05 0:27 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 |
| Enhancing the absorption capacity of GAC to remove PFAS from water Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility Back to Basics: Review of UV Disinfection Optimizing Blower Filtration for Reliability, efficiency, and Value City of Kalamazoo's Holistic Approach to Selecting New Process Technologies Credits Requested: Total Credits Earned 1.0 0.5 0.5 D.5 0.5 0.5 0.5 Total Credits Earned 1.0 0.5 0.5 0.5 Reliability Process Technologies |
| Capacity of GAC to remove PFAS 8/14/24 16:23 8/14/24 16:55 0:31 0.5 0.5 |
| Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility Back to Basics: Review of UV Disinfection Optimizing Blower Filtration for Reliability, efficiency, and Value City of Kalamazoo's Holistic Approach to Selecting New Process Technologies Credits Requested: Total Credits Earned 1.0 0.5 0.5 0.5 |
| Disinfection S/15/24 8:37 S/15/24 9:05 U:27 U.5 U.5 |
| Reliability, efficiency, and Value |
| Approach to Selecting New Process Technologies Credits Requested: IWEA WASTEWATER LABORATORY ANALYST 8/15/24 8:33 8/15/24 10:50 1:05 |
| Credits Requested: Total Credits Earned 1.0 0.5 1.5 IWEA WASTEWATER LABORATORY ANALYST 8/15/24 8:33 8/15/24 9:01 0:27 0.5 0.5 |
| LABORATORY ANALYST 8/15/24 8:33 8/15/24 9:01 0:27 0.5 0.5 |
| |
| Flexing Your Procurement 8/15/24 9:11 8/15/24 9:37 0:26 0.5 0.5 Muscle |
| A case for better lab results 8/15/24 10:19 8/15/24 10:47 0:27 0.5 0.5 |
| Credits Requested: Drinking Water, Wastewater Total Credits Earned 8.0 2.0 10.0 |
| Biosolids: Fail to Plan; Plan to 8/13/24 10:34 8/13/24 11:41 1:06 1.0 1.0 |
| I dil |
| PFAS Regulations Impact on the 8/13/24 13:31 8/13/24 14:00 0:28 0.5 0.5 Future of Land Application |
| PFAS Regulations Impact on the Future of Land Application 8/13/24 13:31 8/13/24 14:00 0:28 0.5 0.5 Communication & Collaboration: How we managed multiple 8/13/24 13:58 8/13/24 14:29 0:30 0.5 0.5 design iterations of a 600,000 |
| PFAS Regulations Impact on the Future of Land Application Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis Total Nitrogen Treatment – What is Required vs. What is 8/13/24 13:31 8/13/24 14:00 0:28 0.5 0.5 0.5 0.5 0.5 |
| PFAS Regulations Impact on the Future of Land Application Communication & Collaboration: How we managed multiple 8/13/24 13:58 8/13/24 14:29 0:30 0.5 0.5 design iterations of a 600,000 storage facility in Indianapolis Total Nitrogen Treatment — |

| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:26 | 8/14/24 10:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
|-------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:05 | 8/14/24 10:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:32 | 8/14/24 14:00 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:00 | 8/14/24 14:30 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:20 | 8/14/24 15:55 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:50 | 8/14/24 16:26 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:27 | 8/14/24 16:55 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:32 | 8/15/24 9:38 | 1:06 | 1.0 | | 1.0 | 1.0 |
| | City of Kalamazoo's Holistic Approach to Selecting New Process Technologies | 8/15/24 9:38 | 8/15/24 10:50 | 1:12 | | 1.0 | 1.0 | 1.0 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 11:00 | 8/15/24 11:25 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | UPDATED - Emergency Replacement of a Blower During a Planning Project at the Wyoming Clean Water Plant | 8/15/24 11:22 | 8/15/24 11:57 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Jain, Vivek | Credits Requested: PDHs | | Total C | redits Earned | 4.0 | 1.5 | 5.5 | 5.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:28 | 8/14/24 10:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:03 | 8/14/24 10:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:27 | 8/14/24 11:05 | 0:38 | 0.5 | | 0.5 | 0.5 |

| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:23 | 8/14/24 14:00 | 0:36 | 0.5 | | 0.5 | 0.5 |
|---------------------|---|---------------|---------------|----------------|-----|-----|-----|-----|
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:02 | 8/14/24 14:30 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:12 | 8/14/24 15:55 | 0:42 | | 0.5 | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:57 | 8/14/24 16:26 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:31 | 8/15/24 9:05 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:08 | 8/15/24 9:40 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | City of Kalamazoo's Holistic Approach to Selecting New Process Technologies | 8/15/24 9:38 | 8/15/24 10:50 | 1:11 | | 1.0 | 1.0 | 1.0 |
| Janakiraman, Aarthi | Credits Requested: | | Total (| redits Earned | 1.0 | 2.5 | 3.5 | 3.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:29 | 8/14/24 9:00 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:26 | 8/14/24 10:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:04 | 8/14/24 10:59 | 0:54 | | 1.0 | 1.0 | 1.0 |
| | Water and Wastewater Workforce Development – Is your community ready for the challenge? | 8/14/24 13:26 | 8/14/24 14:30 | 1:04 | | 1.0 | 1.0 | 1.0 |
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:21 | 8/14/24 15:55 | 0:33 | | 0.5 | 0.5 | 0.5 |
| Janwari, Aquil | Credits Requested: | | Total (| Credits Earned | 0.5 | 1.0 | 1.5 | 1.5 |
| | Credits Requested. | | Total | reuits Earneu | 0.5 | 1.0 | 1.5 | 1.5 |
| | Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | 8/13/24 13:58 | 8/13/24 14:30 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:49 | 8/13/24 15:25 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:54 | 8/13/24 16:27 | 0:32 | | 0.5 | 0.5 | 0.5 |
| Jarvis, Duane | Credits Requested: | | Total (| Credits Earned | 2.0 | 1.5 | 3.5 | 3.5 |
| | | | | | | | | |

| | Water and Wastewater Workforce Development – Is your community ready for the challenge? | 8/14/24 13:29 | 8/14/24 14:30 | 1:01 | | 1.0 | 1.0 | 1.0 |
|-------------------|--|---------------|---------------|----------------|-----|-----|-----|-----|
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:17 | 8/14/24 15:55 | 0:37 | | 0.5 | 0.5 | 0.5 |
| | Tips for Labs that you may not know | 8/15/24 8:02 | 8/15/24 8:30 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Flexing Your Procurement Muscle | 8/15/24 9:07 | 8/15/24 9:37 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories | 8/15/24 10:57 | 8/15/24 11:55 | 0:58 | 1.0 | | 1.0 | 1.0 |
| efferson, Jemesia | Credits Requested: | | Total C | Credits Earned | 1.0 | 2.5 | 3.5 | 3.5 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:38 | 8/13/24 11:10 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:07 | 8/13/24 11:47 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:27 | 8/13/24 14:00 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:03 | 8/13/24 14:32 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 14:59 | 8/13/24 15:26 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 15:55 | 8/13/24 16:29 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | Forecasting Urban Water Escherichia coli Contamination Using Machine Learning Models | 8/13/24 16:27 | 8/13/24 17:00 | 0:33 | | 0.5 | 0.5 | 0.5 |
| essie, Robert | Credits Requested: | | Total C | Credits Earned | 1.0 | 0.5 | 1.5 | 1.5 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:26 | 8/13/24 11:41 | 1:15 | 1.0 | | 1.0 | 1.0 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:26 | 8/13/24 14:00 | 0:34 | | 0.5 | 0.5 | 0.5 |

| eter, Christopher | Credits Requested: PDHs | | Total C | redits Earned | 3.0 | 3.0 | 6.0 | 6.0 |
|-------------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | Conversion of an underutilized combined sewer to a storm | 8/13/24 10:32 | 8/13/24 11:10 | 0:37 | 0.5 | 3.0 | 0.5 | 0.5 |
| | sewer In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:07 | 8/13/24 11:47 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:32 | 8/13/24 14:00 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:04 | 8/13/24 14:32 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures | 8/13/24 15:00 | 8/13/24 15:25 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:51 | 8/13/24 16:27 | 0:35 | | 0.5 | 0.5 | 0.5 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 8:01 | 8/14/24 8:27 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Rate inequity: are your residents subsidizing the growth in your community? | 8/14/24 9:20 | 8/14/24 10:30 | 1:09 | | 1.0 | 1.0 | 1.0 |
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:34 | 8/14/24 11:03 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:33 | 8/14/24 14:00 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:02 | 8/14/24 14:30 | 0:28 | 0.5 | | 0.5 | 0.5 |
| ia, Shiwei | Credits Requested: | | Total C | redits Earned | 2.0 | 1.0 | 3.0 | 3.0 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:27 | 8/14/24 9:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:27 | 8/14/24 10:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:04 | 8/14/24 10:59 | 0:55 | | 1.0 | 1.0 | 1.0 |

| Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:03 | 8/14/24 14:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
|--|---|---|--|---|--|--|--|
| Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:14 | 8/14/24 15:55 | 0:41 | 0.5 | | 0.5 | 0.5 |
| Credits Requested: PDHs | | Total C | redits Earned | 1.0 | 1.5 | 2.5 | 2.5 |
| Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks | 8/13/24 13:25 | 8/13/24 13:52 | 0:27 | | 0.5 | 0.5 | 0.5 |
| Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | 8/13/24 13:59 | 8/13/24 14:30 | 0:30 | | 0.5 | 0.5 | 0.5 |
| WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:32 | 8/14/24 10:00 | 0:27 | 0.5 | | 0.5 | 0.5 |
| Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:02 | 8/14/24 14:30 | 0:27 | 0.5 | | 0.5 | 0.5 |
| A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:18 | 8/14/24 15:55 | 0:36 | | 0.5 | 0.5 | 0.5 |
| Credits Requested: | | Total C | redits Earned | 1.0 | 0.0 | 1.0 | 1.0 |
| WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:32 | 8/14/24 10:00 | 0:28 | 0.5 | | 0.5 | 0.5 |
| Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:04 | 8/14/24 14:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Credits Requested: | | Total C | redits Earned | 4.0 | 0.5 | 4.5 | 4.5 |
| Hydraulic Modeling - What is it good for? | 8/14/24 8:26 | 8/14/24 9:00 | 0:34 | 0.5 | | 0.5 | 0.5 |
| WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:26 | 8/14/24 10:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| Challenges In The Field | 8/14/24 10:03 | 8/14/24 10:56 | 0:53 | 1.0 | | 1.0 | 1.0 |
| 21ST Century FOG Management | 8/14/24 13:26 | 8/14/24 13:59 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Design Capacity Compared to Real World Observations Lafayette Prairie Oaks Pipeline Rehab Credits Requested: PDHs Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis WWTP Non-Potable Water Systems – The Neglected Plant Process Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana A Gen Z Perspective on the Wastewater Industry Credits Requested: WWTP Non-Potable Water Systems – The Neglected Plant Process Requirements vs. Reality - Design Capacity Compared to Real World Observations Credits Requested: Hydraulic Modeling - What is it good for? WWTP Non-Potable Water Systems – The Neglected Plant Process Challenges In The Field | Design Capacity Compared to Real World Observations Lafayette Prairie Oaks Pipeline Rehab Credits Requested: PDHs Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis WWTP Non-Potable Water Systems – The Neglected Plant Process Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana A Gen Z Perspective on the Wastewaste Industry Credits Requested: WWTP Non-Potable Water Systems – The Neglected Plant Process Credits Requested: WWTP Non-Potable Water Systems – The Neglected Plant Process Requirements vs. Reality – Design Capacity Compared to Real World Observations Credits Requested: Hydraulic Modeling - What is it good for? WWTP Non-Potable Water Systems – The Neglected Plant Process Credits Requested: Hydraulic Modeling - What is it good for? WWTP Non-Potable Water Systems – The Neglected Plant Process Challenges In The Field 8/14/24 9:26 Challenges In The Field 8/14/24 13:26 | Design Capacity Compared to Real World Observations Lafayette Prairie Oaks Pipeline Rehab Credits Requested: PDHs Total C Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis WWTP Non-Potable Water Systems – The Neglected Plant Process Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana A Gen Z Perspective on the Wastewater Industry Credits Requested: Credit | Design Capacity Compared to Real World Observations Rehab Rehab | Design Capacity Compared to Real World Observations Rehab Real World Observations Rehab Real World Observations Rehab Real World Observations Rehab Real World Observations Real Wor | Design Capacity Compared to Real World Observations Real World Obs | Design Capacity Compared to S/14/24 14:03 S/14/24 14:35 Design Capacity Compared to S/14/24 15:14 S/14/24 15:15 Design Capacity Compared to S/14/24 14:04 S/14/24 14:35 Design Capacity Compared to S/14/24 14:04 S/14/24 14:35 Design Capacity Ca |

| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:02 | 8/14/24 14:30 | 0:28 | 0.5 | | 0.5 | 0.5 |
|---------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:16 | 8/14/24 15:55 | 0:39 | | 0.5 | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:56 | 8/14/24 16:26 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:27 | 8/14/24 16:55 | 0:27 | 0.5 | | 0.5 | 0.5 |
| Jones, Kendra | Credits Requested: Wastev | vater | Total C | redits Earned | 2.0 | 0.0 | 2.0 | 2.0 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:30 | 8/13/24 13:57 | 0:26 | 0.5 | 0.0 | 0.5 | 0.5 |
| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 13:58 | 8/13/24 14:26 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures | 8/13/24 15:10 | 8/13/24 15:25 | 0:15 | 0.0 | | 0.0 | 0.0 |
| | Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 16:00 | 8/13/24 16:55 | 0:54 | 1.0 | | 1.0 | 1.0 |
| Jones, Sally | | | T. 10 | 12. 5. 1 | 2.5 | 2.5 | C 0 | C 0 |
| | Credits Requested: | | Iotal C | redits Earned | 3.5 | 2.5 | 6.0 | 6.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:42 | 8/13/24 11:10 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:10 | 8/13/24 11:47 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks | 8/13/24 13:31 | 8/13/24 13:57 | 0:25 | | 0.5 | 0.5 | 0.5 |

| Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | 8/13/24 13:56 | 8/13/24 14:30 | 0:33 | | 0.5 | 0.5 | 0.5 |
|---|---|--|--|--|---|--|---|
| Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 14:55 | 8/13/24 15:26 | 0:31 | | 0.5 | 0.5 | 0.5 |
| The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:31 | 8/13/24 16:58 | 0:27 | | 0.5 | 0.5 | 0.5 |
| Hydraulic Modeling - What is it good for? | 8/14/24 8:35 | 8/14/24 9:00 | 0:25 | 0.5 | | 0.5 | 0.5 |
| North Interceptor Sewer - Danville, IN | 8/14/24 10:02 | 8/14/24 10:35 | 0:32 | 0.5 | | 0.5 | 0.5 |
| Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:28 | 8/14/24 11:05 | 0:37 | 0.5 | | 0.5 | 0.5 |
| Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:33 | 8/14/24 14:00 | 0:27 | 0.5 | | 0.5 | 0.5 |
| Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:00 | 8/14/24 14:30 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | 8/14/24 15:16 | 8/14/24 15:18 | 0:02 | | 0.0 | 0.0 | 0.0 |
| A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:19 | 8/14/24 15:55 | 0:35 | | 0.5 | 0.5 | 0.5 |
| Cuadita Bassasata da 200 | | T-4-16 | | 2.5 | 1.0 | 4 F | 4.5 |
| | | Total C | redits Earned | ა.ა | 1.0 | 4.5 | 4.5 |
| Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:12 | 1:01 | | 1.0 | 1.0 | 1.0 |
| Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:40 | 8/13/24 11:10 | 0:29 | 0.5 | | 0.5 | 0.5 |
| In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:07 | 8/13/24 11:47 | 0:39 | 0.5 | | 0.5 | 0.5 |
| Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:27 | 8/13/24 13:57 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | How we managed multiple design iterations of a 600,000 storage facility in Indianapolis Grit Happens: Conquering Startup Challenges during a WWTP Upgrade The Need to Understand and Manage Water Availability within Basins in Indiana Hydraulic Modeling - What is it good for? North Interceptor Sewer - Danville, IN Howard Roosa Sewer - The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer Foster Park Relief Sewer - Indian Village CSO 005 Connection Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana Indiana Law and Statutes A Gen Z Perspective on the Wastewater Industry Credits Requested: PDHs Workforce Development Roundtable Conversion of an underutilized combined sewer to a storm sewer In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana Peracetic Acid for Wastewater Disinfection & The Benefits to | How we managed multiple design iterations of a 600,000 storage facility in Indianapolis Grit Happens: Conquering Startup Challenges during a 8/13/24 14:55 WWTP Upgrade The Need to Understand and Manage Water Availability within Basins in Indiana Hydraulic Modeling - What is it good for? North Interceptor Sewer - B/14/24 10:02 Howard Roosa Sewer – The Final Outcome of this Non-Traditional, Flexible Approach to Salvaging an Almost 100-Year-Old Sewer Foster Park Relief Sewer - Indian Village CSO 005 Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana Imdiana Law and Statutes 8/14/24 15:19 Credits Requested: PDHs Workforce Development 8/13/24 15:19 Credits Requested: PDHs Workforce Development 8/13/24 9:10 Conversion of an underutilized combined sewer to a storm 8/13/24 10:40 sewer In Case of Emergency: Keeping 8/13/24 11:07 Stormwater and Traffic Flowing Safely in Indianapolis, Indiana Peracetic Acid for Wastewater Disinfection & The Benefits to 8/13/24 13:27 | How we managed multiple design iterations of a 600,000 storage facility in Indianapolis Grit Happens: Conquering Startup Challenges during a 8/13/24 14:55 8/13/24 15:26 WWTP Upgrade The Need to Understand and Manage Water Availability 8/13/24 16:31 8/13/24 16:58 within Basins in Indiana Hydraulic Modeling - What is it good for? North Interceptor Sewer - 8/14/24 10:02 8/14/24 10:35 Danville, IN Howard Roosa Sewer - The Final Outcome of this Non-Traditional, Flexible Approach to Salvaging an Almost 100-Year-Old Sewer Foster Park Relief Sewer - Indian Village CSO 005 8/14/24 13:33 8/14/24 14:00 Connection Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana Indiana Law and Statutes 8/14/24 15:16 8/14/24 15:18 A Gen Z Perspective on the Wastewater Industry Credits Requested: PDHs Credits Requested: PDHs Credits Requested: PDHs Total Conversion of an underutilized combined sewer to a storm sewer In Case of Emergency: Keeping 8/13/24 11:07 8/13/24 11:17 Stormwater and Traffic Flowing Safely in Indianapolis, Indiana Peracetic Acid for Wastewater Disinfection & The Benefits to 8/13/24 13:27 8/13/24 13:57 | How we managed multiple design iterations of a 600,000 storage fealithy in Indianapolis Grit Happens: Conquering Startup Challenges during a 8/13/24 14:55 8/13/24 15:26 0:31 WWTP Upgrade The Need to Understand and Manage Water Availability 8/13/24 16:31 8/13/24 16:58 0:27 within Basins in Indiana Hydraulic Modeling - What is it good for? 8/14/24 8:35 8/14/24 9:00 0:25 good for? 8/14/24 10:02 8/14/24 10:35 0:32 Danville, IN Howard Roosa Sewer - The Final Outcome of this Non-Traditional, Flexible Approach to Salvaiging an Almost 100-Year-Old Sewer Foster Park Relief Sewer - Indian Village CSO 005 8/14/24 13:33 8/14/24 14:00 0:27 Connection Critical Crossing: Gravity Sewer under a Ditch, Railroad, and state Road in Greendale, Indiana Indiana Law and Statutes 8/14/24 15:16 8/14/24 15:18 0:02 A Gen 2 Perspective on the 8/14/24 15:19 8/14/24 15:55 0:35 Wastewater Indian Village CSO 005 0:35 Wastewater Indian Village CSO 005 0:36 Wastewater Indian Village CSO 005 0:36 Wastewater Indian Village CSO 0:36 Wastewater Indian Village CSO 0:36 Wastewater Indian Village CSO 0:37 Village CSO 0:38 Village CSO 0:38 Village CSO 0:38 Village CSO 0:39 Village CSO 0:39 Village CSO 0:30 Village CSO 0 | How we managed multiple 8/13/24 13:56 8/13/24 14:30 0.33 design iterations of a 600,000 storage facility in Indianapolis 6/11 Happens: Conquering 8/13/24 14:55 8/13/24 15:26 0.31 WWTP Upgrade 7 He Need to Understand and Manage Water Availability 8/13/24 16:31 8/13/24 16:58 0.27 within Basins in Indiana 7 Hydraulic Modeling - What is it 8/14/24 8:35 8/14/24 9:00 0.25 0.5 good for? 8 North Interceptor Sewer - 8/14/24 10:02 8/14/24 10:35 0:32 0.5 Danville, IN 8/14/24 10:02 8/14/24 10:35 0:32 0.5 Danville, IN 8/14/24 10:28 8/14/24 11:05 0:37 0.5 Salvaging an Almost 100-Year-Old Sewer - Indian Village CSD 005 8/14/24 13:33 8/14/24 14:00 0:27 0.5 Salvaging an Almost 100-Year-Old Sewer - Indian Village CSD 005 8/14/24 13:33 8/14/24 14:00 0:27 0.5 Connection 7 Critical Crossing: Gravity Sewer under a Ditch, Railroad, and 8/14/24 14:00 8/14/24 14:30 0:29 0.5 Sate Road in Greendale, Indiana Indiana 8/14/24 15:16 8/14/24 15:18 0:02 A Gen Z Perspective on the 8/14/24 15:19 8/14/24 15:55 0:35 Credits Requested: PDHs Total Credits Earned 3.5 Workforce Development 8/13/24 9:10 8/13/24 11:10 0:29 0.5 combined sewer to a storm 8/13/24 10:40 8/13/24 11:10 0:29 0.5 stormwater and Traffic Flowing Safely in Indianapolis, Indiana Peracetic Acid for Wastewater Disinfection & The Benefits to 8/13/24 13:27 8/13/24 13:57 0:30 0.5 | How we managed multiple 8/13/24 13:56 8/13/24 14:30 0:33 0.5 | How we managed multiple design teretains of a 600,000 storage facility in Indianapolis Grit Happens: Conquering Startup Chillenges during a 8/13/24 14.55 8/13/24 15.26 0.31 0.5 0.5 WIF Upgrade The Needs to Indenstand and Manage Water Availability with Basins in Indiana Hydraulic Modeling - What is it good for? 8/14/24 16.31 8/13/24 16.58 0.27 0.5 0.5 North Interceptor Sewer - 8/14/24 10.02 8/14/24 10.35 0.32 0.5 0.5 North Interceptor Sewer - The Final Outcome of this Nor-Traditional, Flestible Approach to Salvaging an Almost 100-Year-Old Sewer - Floster Park Relief Sewer - Indian Village CSO 005 8/14/24 13.33 8/14/24 14.00 0.27 0.5 0.5 Connection Critical Crossing: Gravity Sewer under a District, Railman and Startuses 8/14/24 15.16 8/14/24 15.18 0.02 0.0 0.0 A Grav Perspective on the 8/14/24 15.19 8/14/24 15.55 0.35 0.5 0.5 Credits Requested: PDHs Total Credits Earned 3.5 1.0 4.5 Workforce Development 8/14/24 15.19 8/14/24 15.10 0.29 0.5 0.5 0.5 Credits Requested: PDHs Total Credits Earned 3.5 1.0 4.5 Workforce Development 8/13/24 15.10 8/13/24 11.10 0.29 0.5 0.5 Credits Requested: PDHs Flace of Emergency: Keeping 8/13/24 11.07 8/13/24 11.10 0.29 0.5 0.5 Salvaging and Indianal Law and Startuses 8/13/24 11.07 8/13/24 11.10 0.29 0.5 0.5 Salvaging and Indianal Content of the Salvaging and Salvaging and Indianal Combined Saver to a storm 8/13/24 11.07 8/13/24 11.10 0.29 0.5 0.5 Salvaging in Content of the Salvaging and |

| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 13:59 | 8/13/24 14:26 | 0:26 | 0.5 | | 0.5 | 0.5 |
|-------------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:58 | 8/13/24 15:26 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:57 | 8/13/24 16:55 | 0:57 | 1.0 | | 1.0 | 1.0 |
| Kaminsky, Josh | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 1.0 | 0.0 | 1.0 | 1.0 |
| | Water Treatment Regulatory Terms & Definitions | 8/14/24 9:30 | 8/14/24 9:59 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | 21ST Century FOG Management | 8/14/24 13:23 | 8/14/24 13:59 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Kangogo, Mercy | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 1.5 | 0.5 | 2.0 | 2.0 |
| | Enforcement Response Plan, Violations, and Significant Non- Compliance | 8/14/24 15:20 | 8/14/24 16:14 | 0:54 | 1.0 | | 1.0 | 1.0 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:57 | 8/15/24 11:25 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens - Sustainable Solutions for Grit Management At WWTPs | 8/15/24 11:21 | 8/15/24 11:55 | 0:34 | 0.5 | | 0.5 | 0.5 |
| Kassebaum, Nathan | | | | | 0.0 | 1.0 | 4.0 | |
| | Credits Requested: PDHs | | Total C | redits Earned | 3.0 | 1.0 | 4.0 | 4.0 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:51 | 8/14/24 8:22 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:25 | 8/14/24 9:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:30 | 8/14/24 10:00 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:29 | 8/14/24 11:05 | 0:35 | 0.5 | | 0.5 | 0.5 |

| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:04 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
|------------------|---|--------------------------------|--------------------------------|---------------|-----|-----|------|------|
| | Indiana Law and Statutes | 8/14/24 15:20 | 8/14/24 16:22 | 1:01 | | 1.0 | 1.0 | 1.0 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:30 | 8/14/24 16:58 | 0:27 | 0.5 | | 0.5 | 0.5 |
| Casthuri, Lenin | | | | | | | | |
| | Credits Requested: PDHs | | Total C | redits Earned | 0.5 | 1.0 | 1.5 | 1.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:36 | 8/14/24 11:05 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Ethics in Engineering | 8/14/24 13:21 | 8/14/24 14:30 | 1:09 | | 1.0 | 1.0 | 1.0 |
| asuboski, Jordan | Credits Requested: | | Total C | redits Earned | 1.0 | 0.0 | 1.0 | 1.0 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:26 | 8/14/24 9:00 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:32 | 8/14/24 14:00 | 0:28 | 0.5 | | 0.5 | 0.5 |
| atter, Zachary | Credits Requested: PDHs | | Total C | redits Earned | 4.5 | 6.0 | 10.5 | 10.5 |
| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:40 | 8/13/24 11:41 | 1:00 | 1.0 | | 1.0 | 1.0 |
| | PFAS Regulations Impact on the | | | | | | | |
| | Future of Land Application | 8/13/24 13:17 | 8/13/24 13:56 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | , | 8/13/24 13:17 8/13/24 14:01 | 8/13/24 13:56 8/13/24 14:28 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Future of Land Application Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging | | | | | | | |
| | Future of Land Application Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum | 8/13/24 14:01 | 8/13/24 14:28 | 0:26 | 0.5 | 0.5 | 0.5 | 0.5 |
| | Future of Land Application Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures | 8/13/24 14:01 8/13/24 14:54 | 8/13/24 14:28 8/13/24 15:25 | 0:26 | 0.5 | 0.5 | 0.5 | 0.5 |

| | Using Al, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:24 | 8/14/24 10:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
|----------------|--|---------------|---------------|----------------|-----|-----|-----|-----|
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:07 | 8/14/24 10:59 | 0:52 | | 1.0 | 1.0 | 1.0 |
| | Ethics in Engineering | 8/14/24 13:25 | 8/14/24 14:30 | 1:04 | | 1.0 | 1.0 | 1.0 |
| | Indiana Law and Statutes | 8/14/24 15:11 | 8/14/24 16:22 | 1:10 | | 1.0 | 1.0 | 1.0 |
| | Leading Change | 8/14/24 16:31 | 8/14/24 16:58 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility | 8/15/24 7:50 | 8/15/24 8:30 | 0:40 | | 0.5 | 0.5 | 0.5 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:30 | 8/15/24 9:05 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | City of Kalamazoo's Holistic Approach to Selecting New Process Technologies | 8/15/24 9:46 | 8/15/24 10:50 | 1:03 | | 1.0 | 1.0 | 1.0 |
| Keating, Josh | Credits Requested: | | Total (| Credits Earned | 2.5 | 0.5 | 3.0 | 3.0 |
| | Ultra-Low Phosphorus Limits | 8/15/24 8:01 | 8/15/24 8:30 | 0:29 | 0.5 | 0.0 | 0.5 | 0.5 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:33 | 8/15/24 9:38 | 1:04 | 1.0 | | 1.0 | 1.0 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:53 | 8/15/24 11:25 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories | 8/15/24 10:57 | 8/15/24 11:55 | 0:57 | 1.0 | | 1.0 | 1.0 |
| Kelleher, Jim | Credits Requested: | | Total | Credits Earned | 0.5 | 0.0 | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce | 8/13/24 14:58 | 8/13/24 15:25 | 0:27 | 0.5 | 0.0 | 0.5 | 0.5 |
| Kellner, Chris | | | | | | | | |
| | Credits Requested: | | Total C | Credits Earned | 0.0 | 1.0 | 1.0 | 1.0 |
| | Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap | 8/13/24 11:17 | 8/13/24 11:42 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | 8/13/24 13:58 | 8/13/24 14:30 | 0:31 | | 0.5 | 0.5 | 0.5 |
| Kelly, Pat | Credits Requested: PDHs | | Total C | Credits Earned | 4.0 | 0.0 | 4.0 | 4.0 |

| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:33 | 8/14/24 10:00 | 0:26 | 0.5 | | 0.5 | 0.5 |
|----------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | Challenges In The Field | 8/14/24 10:01 | 8/14/24 10:55 | 0:54 | 1.0 | | 1.0 | 1.0 |
| | 50 Years Later and SND Still Works | 8/14/24 13:29 | 8/14/24 14:01 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:02 | 8/14/24 14:30 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:12 | 8/14/24 15:55 | 0:42 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:50 | 8/14/24 16:26 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:29 | 8/14/24 16:55 | 0:25 | 0.5 | | 0.5 | 0.5 |
| Kennedy, Chris | Cuadita Danuarta da Wata | | Tatal | redits Earned | E E | 3.5 | 9.0 | 9.0 |
| | Credits Requested: Waste | | | | 5.5 | | | |
| | Welcome & Keynote Address | 8/13/24 8:03 | 8/13/24 9:00 | 0:56 | | 1.0 | 1.0 | 1.0 |
| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:35 | 8/13/24 11:41 | 1:05 | 1.0 | | 1.0 | 1.0 |
| | Mastering the Art of Master Planning | 8/14/24 8:00 | 8/14/24 9:00 | 1:00 | 1.0 | | 1.0 | 1.0 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:34 | 8/14/24 10:00 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:06 | 8/14/24 10:59 | 0:53 | | 1.0 | 1.0 | 1.0 |
| | 50 Years Later and SND Still Works | 8/14/24 13:26 | 8/14/24 14:01 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | IU Permits and Applying the Combined Wastestream Formula | 8/14/24 14:05 | 8/14/24 14:35 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Adaptive mixing and process optimization with energy savings | 8/14/24 15:18 | 8/14/24 15:50 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:34 | 8/15/24 9:05 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:09 | 8/15/24 9:40 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | City of Kalamazoo's Holistic Approach to Selecting New Process Technologies | 8/15/24 9:38 | 8/15/24 10:50 | 1:11 | | 1.0 | 1.0 | 1.0 |

| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 11:00 | 8/15/24 11:25 | 0:25 | | 0.5 | 0.5 | 0.5 |
|-----------------|--|---------------------|---------------|---------------|-----|-----|------|------|
| | It's Raining N! The Future of Total Nitrogen Limits | 8/15/24 11:30 | 8/15/24 11:58 | 0:27 | 0.5 | | 0.5 | 0.5 |
| Kerezman, James | | | | | 0.0 | 4.0 | 40.0 | 10.0 |
| | Credits Requested: Drinkin | g Water, Wastewater | Total C | redits Earned | 9.0 | 1.0 | 10.0 | 10.0 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:25 | 8/13/24 13:58 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:02 | 8/13/24 14:27 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:54 | 8/13/24 15:26 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:54 | 8/13/24 16:27 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | Forecasting Urban Water Escherichia coli Contamination Using Machine Learning Models | 8/13/24 16:31 | 8/13/24 17:00 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Out In The Field Not In A Book | 8/14/24 8:02 | 8/14/24 8:57 | 0:55 | 1.0 | | 1.0 | 1.0 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:30 | 8/14/24 10:00 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:06 | 8/14/24 10:35 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Challenges In The Field | 8/14/24 10:08 | 8/14/24 11:02 | 0:54 | 1.0 | | 1.0 | 1.0 |
| | 21ST Century FOG Management | 8/14/24 13:27 | 8/14/24 13:59 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | IU Permits and Applying the Combined Wastestream Formula | 8/14/24 14:06 | 8/14/24 14:35 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Enforcement Response Plan, Violations, and Significant Non- Compliance | 8/14/24 15:24 | 8/14/24 16:14 | 0:50 | 1.0 | | 1.0 | 1.0 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:28 | 8/14/24 16:55 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:32 | 8/15/24 9:05 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:12 | 8/15/24 9:40 | 0:27 | 0.5 | | 0.5 | 0.5 |

| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:45 | 8/15/24 10:15 | 0:29 | 0.5 | | 0.5 | 0.5 |
|-------------|--|---------------------|---------------|---------------|-----|-----|------|------|
| | A case for better lab results | 8/15/24 10:19 | 8/15/24 10:47 | 0:27 | 0.5 | | 0.5 | 0.5 |
| Kern, Shaun | Credits Requested: Drinkin | g Water, Wastewater | Total C | redits Earned | 8.0 | 2.5 | 10.5 | 10.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:14 | 8/13/24 11:47 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:16 | 8/13/24 13:56 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:02 | 8/13/24 14:27 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 15:05 | 8/13/24 15:25 | 0:20 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:52 | 8/13/24 16:27 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | Mastering the Art of Master Planning | 8/14/24 8:08 | 8/14/24 9:00 | 0:52 | 1.0 | | 1.0 | 1.0 |
| | Rate inequity: are your residents subsidizing the growth in your community? | 8/14/24 9:36 | 8/14/24 10:30 | 0:53 | | 1.0 | 1.0 | 1.0 |
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:35 | 8/14/24 11:03 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | 21ST Century FOG Management | 8/14/24 13:20 | 8/14/24 13:59 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | IU Permits and Applying the Combined Wastestream Formula | 8/14/24 14:06 | 8/14/24 14:35 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 16:01 | 8/14/24 16:26 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:30 | 8/14/24 16:58 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Tips for Labs that you may not know | 8/15/24 7:55 | 8/15/24 8:30 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Emergency Preparedness and Procedures | 8/15/24 8:36 | 8/15/24 9:10 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | Optimizing Blower Filtration for Reliability, efficiency, and Value | 8/15/24 9:10 | 8/15/24 10:15 | 1:05 | 1.0 | | 1.0 | 1.0 |

| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:45 | 8/15/24 10:15 | 0:29 | 0.5 | | 0.5 | 0.5 |
|---------------|---|---------------|---------------|----------------|-----|-----|-----|-----|
| | Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories | 8/15/24 11:00 | 8/15/24 11:55 | 0:55 | 1.0 | | 1.0 | 1.0 |
| Kirklin, Pam | | | | | | | | |
| | Credits Requested: Waste | water | Total C | Credits Earned | 3.5 | 2.0 | 5.5 | 5.5 |
| | Welcome & Keynote Address | 8/13/24 7:53 | 8/13/24 9:00 | 1:06 | | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:12 | 1:01 | | 1.0 | 1.0 | 1.0 |
| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:41 | 8/13/24 11:41 | 0:59 | 1.0 | | 1.0 | 1.0 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:28 | 8/13/24 13:56 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 13:59 | 8/13/24 14:26 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:59 | 8/13/24 15:26 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | The Danish story of using low- hanging-fruit to reduce energy, carbon, and resourcesgy and carbon | 8/13/24 15:56 | 8/13/24 16:55 | 0:59 | 1.0 | | 1.0 | 1.0 |
| Kirwa, Sylvia | | | | | | | | |
| | Credits Requested: | | Total C | Credits Earned | 3.0 | 1.0 | 4.0 | 4.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:35 | 8/13/24 11:10 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 15:53 | 8/13/24 16:29 | 0:36 | | 0.5 | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:02 | 8/14/24 10:35 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:27 | 8/14/24 11:05 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:15 | 8/14/24 15:55 | 0:40 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:18 | 8/15/24 10:46 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | | |

| | 0.5 | 0.5 | 0.5 |
|---------------|------------------|---|--|
| 0.5 | | 0.5 | 0.5 |
| | 4.5 | | |
| ed 2.0 | 4.5 | 6.5 | 6.5 |
| 0.5 | | 0.5 | 0.5 |
| 0.5 | | 0.5 | 0.5 |
| | 0.5 | 0.5 | 0.5 |
| | 0.5 | 0.5 | 0.5 |
| | 0.5 | 0.5 | 0.5 |
| | 0.5 | 0.5 | 0.5 |
| | 1.0 | 1.0 | 1.0 |
| | 1.0 | 1.0 | 1.0 |
| | 0.5 | 0.5 | 0.5 |
| 0.5 | | 0.5 | 0.5 |
| 0.5 | | 0.5 | 0.5 |
| | | 16.5 | |
| ed 8.5 | 3.5 | 12.0 | 12.0 |
| | 1.0 | 1.0 | 1.0 |
| | 1.0 | 1.0 | 1.0 |
| | | | |
| 1.0 | | 1.0 | 1.0 |
| | ed 2.0 0.5 0.5 | 0.5 ed 2.0 4.5 0.5 0.5 0.5 0.5 0.5 0.5 1.0 1.0 | 0.5 0.5 ed 2.0 4.5 6.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.6 0.5 0.7 0.5 0.8 0.5 0.9 0.5 0.9 0.5 0.9 0.5 0.9 0.5 0.9 0.5 0.9 0.5 0.9 0.5 0.9 0.5 0.9 0.5 0.9 0.5 0.9 0.5 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 |

| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 13:59 | 8/13/24 14:26 | 0:26 | 0.5 | | 0.5 | 0.5 |
|------------------|---|---------------|---------------|---------------|-----|-----|------|------|
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:55 | 8/13/24 15:26 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Mastering the Art of Master Planning | 8/14/24 7:54 | 8/14/24 9:00 | 1:06 | 1.0 | | 1.0 | 1.0 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:30 | 8/14/24 10:00 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:04 | 8/14/24 10:59 | 0:55 | | 1.0 | 1.0 | 1.0 |
| | 50 Years Later and SND Still Works | 8/14/24 13:33 | 8/14/24 14:01 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:03 | 8/14/24 14:35 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Ultra-Low Phosphorus Limits | 8/15/24 7:56 | 8/15/24 8:30 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:34 | 8/15/24 9:38 | 1:04 | 1.0 | | 1.0 | 1.0 |
| | Flexing Your Procurement Muscle | 8/15/24 9:07 | 8/15/24 9:37 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:47 | 8/15/24 10:15 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:09 | 8/15/24 10:46 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:59 | 8/15/24 11:25 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens - Sustainable Solutions for Grit Management At WWTPs | 8/15/24 11:21 | 8/15/24 11:55 | 0:34 | 0.5 | | 0.5 | 0.5 |
| Klosinski, Jacob | 0 11: D | | | 11: = 1 | 0.5 | 4.5 | 110 | 110 |
| | Credits Requested: PDHs | 0/42/2:7:0 | | redits Earned | 9.5 | 4.5 | 14.0 | 14.0 |
| | Welcome & Keynote Address | 8/13/24 7:48 | 8/13/24 9:00 | 1:12 | | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:12 | 1:02 | | 1.0 | 1.0 | 1.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:32 | 8/13/24 11:10 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | | |

| In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:11 | 8/13/24 11:48 | 0:36 | 0.5 | | 0.5 | 0.5 |
|---|---------------|---------------|------|-----|-----|-----|-----|
| PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:26 | 8/13/24 13:56 | 0:29 | 0.5 | | 0.5 | 0.5 |
| Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:00 | 8/13/24 14:27 | 0:26 | 0.5 | | 0.5 | 0.5 |
| Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 14:56 | 8/13/24 15:26 | 0:30 | | 0.5 | 0.5 | 0.5 |
| Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:55 | 8/13/24 16:55 | 1:00 | 1.0 | | 1.0 | 1.0 |
| Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:56 | 8/14/24 8:22 | 0:25 | 0.5 | | 0.5 | 0.5 |
| Hydraulic Modeling - What is it good for? | 8/14/24 8:24 | 8/14/24 9:00 | 0:36 | 0.5 | | 0.5 | 0.5 |
| Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:29 | 8/14/24 10:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| North Interceptor Sewer - Danville, IN | 8/14/24 10:02 | 8/14/24 10:35 | 0:33 | 0.5 | | 0.5 | 0.5 |
| Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:34 | 8/14/24 11:05 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:31 | 8/14/24 14:00 | 0:29 | 0.5 | | 0.5 | 0.5 |
| Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:01 | 8/14/24 14:30 | 0:29 | 0.5 | | 0.5 | 0.5 |
| Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:14 | 8/14/24 15:55 | 0:41 | 0.5 | | 0.5 | 0.5 |
| Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:51 | 8/14/24 16:26 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:30 | 8/14/24 16:58 | 0:27 | 0.5 | | 0.5 | 0.5 |

| | Credits Requested: | | Takalo | redits Earned | 2.0 | 2.0 | 4.0 | 4.0 |
|-----------------|--|---------------|---------------|---------------|-----|-----|-----|-----|
| olawole, Samira | Old Sewer | | | | | | | |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- | 8/14/24 10:35 | 8/14/24 11:05 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 16:02 | 8/13/24 16:29 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 14:58 | 8/13/24 15:26 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:02 | 8/13/24 14:32 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:13 | 8/13/24 11:48 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:40 | 8/13/24 11:10 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:12 | 1:02 | | 1.0 | 1.0 | 1.0 |
| терроп, поли | Credits Requested: PDHs | | Total C | redits Earned | 1.5 | 2.5 | 4.0 | 4.0 |
| uppel, Keith | Grit Happens - Sustainable Solutions for Grit Management At WWTPs | 8/15/24 11:27 | 8/15/24 11:55 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:55 | 8/15/24 11:25 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | City of Kalamazoo's Holistic Approach to Selecting New Process Technologies | 8/15/24 9:48 | 8/15/24 10:50 | 1:02 | | 1.0 | 1.0 | 1.0 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:08 | 8/15/24 9:40 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:31 | 8/15/24 9:05 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility | 8/15/24 7:53 | 8/15/24 8:30 | 0:37 | | 0.5 | 0.5 | 0.5 |

| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:27 | 8/14/24 10:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
|-----------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:04 | 8/14/24 10:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:27 | 8/14/24 11:05 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Water and Wastewater Workforce Development – Is your community ready for the challenge? | 8/14/24 13:25 | 8/14/24 14:30 | 1:04 | | 1.0 | 1.0 | 1.0 |
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:10 | 8/14/24 15:55 | 0:44 | | 0.5 | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:56 | 8/14/24 16:26 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Wastewater Challenge Demonstration | 8/14/24 16:27 | 8/14/24 16:55 | 0:27 | | 0.5 | 0.5 | 0.5 |
| Konarski, Brett | | | | | | | | |
| | Credits Requested: PDHs | | Total C | redits Earned | 1.5 | 1.0 | 2.5 | 2.5 |
| | Energy Efficient Retrofits of Oxidation ditches | 8/14/24 8:00 | 8/14/24 8:26 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:26 | 8/14/24 9:00 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Rate inequity: are your residents subsidizing the growth in your community? | 8/14/24 9:27 | 8/14/24 10:30 | 1:02 | | 1.0 | 1.0 | 1.0 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:31 | 8/14/24 11:05 | 0:34 | 0.5 | | 0.5 | 0.5 |
| Kongar, Terry | | | | | | | | |
| | Credits Requested: Wastev | vater | Total C | redits Earned | 5.5 | 1.0 | 6.5 | 6.5 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:17 | 8/13/24 13:56 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 13:59 | 8/13/24 14:26 | 0:27 | 0.5 | | 0.5 | 0.5 |

| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:53 | 8/13/24 15:26 | 0:33 | 0.5 | | 0.5 | 0.5 |
|------------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | IDEM Update | 8/13/24 15:50 | 8/13/24 16:27 | 0:36 | | 0.5 | 0.5 | 0.5 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:51 | 8/14/24 8:22 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:26 | 8/14/24 9:00 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:24 | 8/14/24 10:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:06 | 8/14/24 10:35 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:27 | 8/14/24 11:05 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:24 | 8/14/24 14:00 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:02 | 8/14/24 14:30 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:10 | 8/14/24 15:55 | 0:44 | | 0.5 | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:51 | 8/14/24 16:26 | 0:34 | 0.5 | | 0.5 | 0.5 |
| Corthals, Reggie | Credits Requested: | | Total C | redits Earned | 0.5 | 0.5 | 1.0 | 1.0 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:02 | 8/13/24 14:32 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures | 8/13/24 14:53 | 8/13/24 15:25 | 0:32 | 0.5 | | 0.5 | 0.5 |
| osegi, Jeremy | - III | | | | 0.5 | 4.5 | 0.0 | 0.0 |
| | Credits Requested: PDHs | | Total C | redits Earned | 3.5 | 4.5 | 8.0 | 8.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:32 | 8/13/24 11:10 | 0:37 | 0.5 | | 0.5 | 0.5 |

| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:06 | 8/13/24 11:48 | 0:41 | 0.5 | | 0.5 | 0.5 |
|--------------------|--|----------------|----------------|--------------------|-----|-----|-----|-----|
| | Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap | 8/13/24 11:08 | 8/13/24 11:42 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:26 | 8/13/24 14:00 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | 8/13/24 13:57 | 8/13/24 14:30 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures | 8/13/24 14:59 | 8/13/24 15:25 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | The Danish story of using low- hanging-fruit to reduce energy, carbon, and resourcesgy and carbon | 8/13/24 15:53 | 8/13/24 16:55 | 1:02 | 1.0 | | 1.0 | 1.0 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:30 | 8/13/24 16:56 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 8:00 | 8/14/24 8:27 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:27 | 8/14/24 9:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Rate inequity: are your residents subsidizing the growth in your community? | 8/14/24 9:33 | 8/14/24 10:30 | 0:56 | | 1.0 | 1.0 | 1.0 |
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:30 | 8/14/24 11:03 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | Ethics in Engineering | 8/14/24 13:31 | 8/14/24 14:30 | 0:59 | | 1.0 | 1.0 | 1.0 |
| Kostielney, Andrew | Cuadita Davis at all | | T-1 10 | un dita Farra a d | 0.0 | 1.0 | 1.0 | 1.0 |
| | Credits Requested: | 8/13/24 8:05 | 8/13/24 9:00 | redits Earned 0:54 | 0.0 | 1.0 | 1.0 | 1.0 |
| Kramer, Daniel | Welcome & Keynote Address | 0/ 13/ 24 8:03 | 0/ 13/ 24 9:00 | U.3 4 | | 1.0 | 1.0 | 1.0 |
| | Credits Requested: PDHs | | Total C | redits Earned | 1.5 | 1.0 | 2.5 | 2.5 |
| | Challenges of Rehabilitating a | 8/14/24 7:54 | 8/14/24 8:22 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | | |

| | Hydraulic Modeling - What is it good for? | 8/14/24 8:25 | 8/14/24 9:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
|---------------|--|---------------|---------------|---------------|-----|-----|-----|-----|
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:26 | 8/14/24 10:00 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:06 | 8/14/24 10:59 | 0:53 | | 1.0 | | 1.0 |
| robert, Cory | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 2.0 | 0.0 | 2.0 | 2.0 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:23 | 8/13/24 13:58 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:57 | 8/13/24 16:55 | 0:57 | 1.0 | | 1.0 | 1.0 |
| | Ultra-Low Phosphorus Limits | 8/15/24 7:55 | 8/15/24 8:30 | 0:35 | 0.5 | | 0.5 | 0.5 |
| otke, Jeffery | | | | | 4 - | 4.5 | | |
| | Credits Requested: Waster | vater | | redits Earned | 1.5 | 4.0 | 5.5 | 5.5 |
| | Welcome & Keynote Address | 8/13/24 8:00 | 8/13/24 9:00 | 0:59 | | 1.0 | 1.0 | 1.0 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:29 | 8/13/24 11:41 | 1:12 | 1.0 | | 1.0 | 1.0 |
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 15:01 | 8/13/24 15:26 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:30 | 8/14/24 10:00 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Getting the Next Generation Excited about Wastewater | 8/14/24 16:00 | 8/14/24 16:25 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Wastewater Challenge Demonstration | 8/14/24 16:28 | 8/14/24 16:55 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Electrical Safety for Wastewater Operators and Maintenance Personnel | 8/15/24 8:04 | 8/15/24 8:30 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | Emergency Preparedness and Procedures | 8/15/24 8:30 | 8/15/24 9:10 | 0:39 | | 0.5 | 0.5 | 0.5 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:52 | 8/15/24 11:25 | 0:33 | | 0.5 | 0.5 | 0.5 |
| ubicki, Andy | Credits Requested: | | Total C | redits Earned | 1.0 | 0.5 | 1.5 | 1.5 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:30 | 8/13/24 13:58 | 0:27 | 0.5 | | 0.5 | 0.5 |

| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:02 | 8/13/24 14:27 | 0:25 | 0.5 | | 0.5 | 0.5 |
|------------|--|---------------|---------------|---------------|-----|-----|--|------|
| | SRF Basics | 8/13/24 15:56 | 8/13/24 16:29 | 0:33 | | 0.5 | 0.5 | 0.5 |
| Kuhn, Abbi | Credits Requested: | | Total C | redits Earned | 6.5 | 5.0 | 0.5) 11.5 1.0 0.5 0.5 0.5 0.5 0.5 0.5 1.0 0.5 1.0 0.5 1.0 0.5 | 11.5 |
| | Welcome & Keynote Address | 8/13/24 8:00 | 8/13/24 9:00 | 0:59 | | 1.0 | 1.0 | 1.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:30 | 8/13/24 11:10 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap | 8/13/24 11:09 | 8/13/24 11:42 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:20 | 8/13/24 13:56 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | 8/13/24 13:58 | 8/13/24 14:30 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures | 8/13/24 14:56 | 8/13/24 15:26 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 15:53 | 8/13/24 16:29 | 0:36 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:31 | 8/13/24 16:58 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Mastering the Art of Master Planning | 8/14/24 8:02 | 8/14/24 9:00 | 0:57 | 1.0 | | 1.0 | 1.0 |
| | Water Treatment Regulatory Terms & Definitions | 8/14/24 9:22 | 8/14/24 9:59 | 0:36 | 0.5 | | | 0.5 |
| | Challenges In The Field | 8/14/24 10:01 | 8/14/24 10:57 | 0:55 | 1.0 | | 1.0 | 1.0 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 13:25 | 8/14/24 14:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | | 8/14/24 14:04 | 8/14/24 14:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Indiana Law and Statutes | 8/14/24 15:19 | 8/14/24 16:22 | 1:02 | | 1.0 | 1.0 | 1.0 |
| | Enhancing the absorption capacity of GAC to remove PFAS from water | 8/14/24 16:24 | 8/14/24 16:55 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:33 | 8/15/24 9:38 | 1:04 | 1.0 | | 1.0 | 1.0 |

| | City of Kalamazoo's Holistic Approach to Selecting New Process Technologies | 8/15/24 9:43 | 8/15/24 10:50 | 1:07 | | 1.0 | 1.0 | 1.0 |
|-----------------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| LaBounty, JJ | Credits Requested: | | Total C | redits Earned | 4.0 | 4.0 | 8.0 | 8.0 |
| | Welcome & Keynote Address | 8/13/24 8:07 | 8/13/24 9:00 | 0:52 | | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:12 | 1:02 | | 1.0 | 1.0 | 1.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:36 | 8/13/24 11:10 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:12 | 8/13/24 11:48 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | 8/13/24 13:59 | 8/13/24 14:30 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 15:00 | 8/13/24 15:26 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 15:58 | 8/13/24 16:29 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:57 | 8/14/24 8:25 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:25 | 8/14/24 9:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:31 | 8/14/24 10:00 | 0:28 | 0.5 | | 0.5 | 0.5 |
| Ho Fii Tr Sa | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:33 | 8/14/24 11:05 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:31 | 8/14/24 14:00 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:01 | 8/14/24 14:30 | 0:29 | 0.5 | | 0.5 | 0.5 |

| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:14 | 8/14/24 15:55 | 0:41 | | 0.5 | 0.5 | 0.5 |
|-------------------|---|------------------------------|-------------------------------|------------------|-----|-----|------|------|
| Ladd, Gary | Credite Requested, PRIII | | Tatal | rodite Former | 5.0 | 2.5 | 7.5 | 7.5 |
| | Credits Requested: PDHs | | Iotai C | redits Earned | 5.0 | 2.5 | 7.5 | 7.5 |
| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:37 | 8/13/24 11:41 | 1:04 | 1.0 | | 1.0 | 1.0 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:24 | 8/13/24 13:58 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:02 | 8/13/24 14:27 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:56 | 8/13/24 15:25 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:57 | 8/13/24 16:27 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:31 | 8/13/24 16:58 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Rate inequity: are your residents subsidizing the growth in your community? | 8/14/24 9:25 | 8/14/24 10:30 | 1:04 | | 1.0 | 1.0 | 1.0 |
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:30 | 8/14/24 11:03 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:27 | 8/14/24 14:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:03 | 8/14/24 14:30 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:15 | 8/14/24 15:55 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:49 | 8/14/24 16:26 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:27 | 8/14/24 16:55 | 0:27 | 0.5 | | 0.5 | 0.5 |
| amichhane, Gaurav | Cuadita Danuarta di 2200 | | T. 10 | and the France I | 7.0 | 6.0 | 12.0 | 12.0 |
| | Credits Requested: PDHs | 0/10/01 7.50 | | redits Earned | 7.0 | 6.0 | 13.0 | 13.0 |
| | Welcome & Keynote Address Workforce Development Roundtable | 8/13/24 7:52 8/13/24 9:10 | 8/13/24 9:00 8/13/24 10:12 | 1:07 | | 1.0 | 1.0 | 1.0 |

| Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:39 | 8/13/24 11:10 | 0:30 | 0.5 | | 0.5 | 0.5 |
|---|---------------|---------------|------|-----|-----|-----|-----|
| Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap | 8/13/24 11:09 | 8/13/24 11:42 | 0:33 | | 0.5 | 0.5 | 0.5 |
| PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:24 | 8/13/24 13:56 | 0:32 | 0.5 | | 0.5 | 0.5 |
| Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | 8/13/24 13:58 | 8/13/24 14:30 | 0:32 | | 0.5 | 0.5 | 0.5 |
| Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:58 | 8/13/24 15:25 | 0:27 | 0.5 | | 0.5 | 0.5 |
| SRF Basics | 8/13/24 15:53 | 8/13/24 16:29 | 0:35 | | 0.5 | 0.5 | 0.5 |
| The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:30 | 8/13/24 16:56 | 0:25 | | 0.5 | 0.5 | 0.5 |
| Hydraulic Modeling - What is it good for? | 8/14/24 8:29 | 8/14/24 9:00 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Using Al, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:25 | 8/14/24 10:00 | 0:34 | 0.5 | | 0.5 | 0.5 |
| North Interceptor Sewer - Danville, IN | 8/14/24 10:00 | 8/14/24 10:35 | 0:34 | 0.5 | | 0.5 | 0.5 |
| Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:27 | 8/14/24 11:05 | 0:37 | 0.5 | | 0.5 | 0.5 |
| Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:23 | 8/14/24 14:00 | 0:37 | 0.5 | | 0.5 | 0.5 |
| Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:12 | 8/14/24 15:55 | 0:42 | 0.5 | | 0.5 | 0.5 |
| Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:58 | 8/14/24 16:26 | 0:27 | 0.5 | | 0.5 | 0.5 |
| Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:28 | 8/14/24 16:55 | 0:26 | 0.5 | | 0.5 | 0.5 |

| | Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility | 8/15/24 7:54 | 8/15/24 8:30 | 0:36 | | 0.5 | 0.5 | 0.5 |
|-----------------|--|---------------|---------------|----------------|-----|-----|------|------|
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:28 | 8/15/24 9:05 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:08 | 8/15/24 9:40 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | City of Kalamazoo's Holistic Approach to Selecting New Process Technologies | 8/15/24 9:45 | 8/15/24 10:50 | 1:04 | | 1.0 | 1.0 | 1.0 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 11:00 | 8/15/24 11:25 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens - Sustainable Solutions for Grit Management At WWTPs | 8/15/24 11:24 | 8/15/24 11:55 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Langer, Lance | Credits Requested: | | Total C | redits Earned | 0.0 | 1.0 | 1.0 | 1.0 |
| | · · | | Total C | reuits Earrieu | 0.0 | 1.0 | 1.0 | 1.0 |
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 14:54 | 8/13/24 15:26 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 15:55 | 8/13/24 16:29 | 0:34 | | 0.5 | 0.5 | 0.5 |
| Larmon, Kenneth | 0 Ui D 1 L 2211 | | = | | 0.0 | 4.5 | 43.5 | 42.5 |
| | Credits Requested: PDHs | 0/42/24 7.52 | | redits Earned | 9.0 | 4.5 | 13.5 | 13.5 |
| | Welcome & Keynote Address | 8/13/24 7:52 | 8/13/24 9:00 | 1:07 | | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:12 | 1:02 | | 1.0 | 1.0 | 1.0 |
| | Operator Certification Update | 8/13/24 10:30 | 8/13/24 11:06 | 0:36 | | 0.5 | 0.5 | 0.5 |
| | Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap | 8/13/24 11:10 | 8/13/24 11:42 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:24 | 8/13/24 13:56 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:06 | 8/13/24 14:32 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:58 | 8/13/24 15:25 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | The Danish story of using low- hanging-fruit to reduce energy, carbon, and resourcesgy and | 8/13/24 15:53 | 8/13/24 16:55 | 1:02 | 1.0 | | 1.0 | 1.0 |

| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:58 | 8/14/24 8:25 | 0:27 | 0.5 | | 0.5 | 0.5 |
|--------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:28 | 8/14/24 9:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:26 | 8/14/24 10:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Challenges In The Field | 8/14/24 10:01 | 8/14/24 10:57 | 0:55 | 1.0 | | 1.0 | 1.0 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:27 | 8/14/24 14:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:01 | 8/14/24 14:30 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:16 | 8/14/24 15:55 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:50 | 8/14/24 16:26 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:29 | 8/14/24 16:55 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Electrical Safety for Wastewater Operators and Maintenance Personnel | 8/15/24 7:54 | 8/15/24 8:30 | 0:36 | | 0.5 | 0.5 | 0.5 |
| | Emergency Preparedness and Procedures | 8/15/24 8:30 | 8/15/24 9:10 | 0:39 | | 0.5 | 0.5 | 0.5 |
| | Flexing Your Procurement Muscle | 8/15/24 9:08 | 8/15/24 9:37 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Basics of pH | 8/15/24 9:45 | 8/15/24 10:15 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories | 8/15/24 10:56 | 8/15/24 11:55 | 0:58 | 1.0 | | 1.0 | 1.0 |
| Felipe | | | = | | 4.0 | 0.5 | 2.5 | 2.5 |
| | Credits Requested: | | i otal C | redits Earned | 1.0 | 2.5 | 3.5 | 3.5 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:35 | 8/13/24 11:10 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:09 | 8/13/24 11:48 | 0:38 | 0.5 | | 0.5 | 0.5 |

| Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:29 | 8/13/24 14:00 | 0:31 | | 0.5 | 0.5 | 0.5 |
|--|---|--|--|--|----------------------------|----------------------------|----------------------------|
| Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | 8/13/24 13:58 | 8/13/24 14:30 | 0:32 | | 0.5 | 0.5 | 0.5 |
| Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 14:58 | 8/13/24 15:26 | 0:28 | | 0.5 | 0.5 | 0.5 |
| SRF Basics | 8/13/24 15:29 | 8/13/24 16:29 | 1:00 | | 0.5 | 0.5 | 0.5 |
| The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:30 | 8/13/24 16:56 | 0:26 | | 0.5 | 0.5 | 0.5 |
| Credits Requested: | | Total C | redits Earned | 0.5 | 0.0 | 0.5 | 0.5 |
| Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:03 | 8/14/24 14:30 | 0:26 | 0.5 | | 0.5 | 0.5 |
| Condito De sus este de DEU | | Tatal | `uadita Fausad | 1 E | 0.0 | 4 F | 4.5 |
| | | | | | 0.0 | | |
| Out In The Field Not In A Book | 8/14/24 8:01 | 8/14/24 8:57 | 0:55 | 1.0 | | 1.0 | 1.0 |
| Using Al, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:34 | 8/14/24 10:00 | 0:25 | 0.5 | | 0.5 | 0.5 |
| North Interceptor Sewer - Danville, IN | 8/14/24 10:06 | 8/14/24 10:35 | 0:29 | 0.5 | | 0.5 | 0.5 |
| Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:24 | 8/14/24 14:00 | 0:36 | 0.5 | | 0.5 | 0.5 |
| Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:05 | 8/14/24 14:30 | 0:25 | 0.5 | | 0.5 | 0.5 |
| Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:13 | 8/14/24 15:55 | 0:42 | 0.5 | | 0.5 | 0.5 |
| Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:51 | 8/14/24 16:26 | 0:35 | 0.5 | | 0.5 | 0.5 |
| oustamaste do o medadiron | | | | | | | |
| Enhancing the absorption capacity of GAC to remove PFAS from water | 8/14/24 16:30 | 8/14/24 16:56 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Case Study of Broad Ripple Avenue in Indianapolis Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis Grit Happens: Conquering Startup Challenges during a WWTP Upgrade SRF Basics The Need to Understand and Manage Water Availability within Basins in Indiana Credits Requested: Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana Credits Requested: PDHs Out In The Field Not In A Book Using Al, GIS & Digital Twins to Drive Smarter Sewer Inspections North Interceptor Sewer - Danville, IN Foster Park Relief Sewer - Indian Village CSO 005 Connection Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana Lafayette Prairie Oaks Pipeline Rehab | Case Study of Broad Ripple Avenue in Indianapolis Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis Grit Happens: Conquering Startup Challenges during a WWTP Upgrade SRF Basics The Need to Understand and Manage Water Availability within Basins in Indiana Credits Requested: Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana Credits Requested: Using Al, GIS & Digital Twins to Drive Smarter Sewer Inspections North Interceptor Sewer - Danville, IN Foster Park Relief Sewer - Indian Village CSO 005 Connection Critical Crossing: Gravity Sewer under a Ditch, Railroad, and S14/24 13:24 Connection R/14/24 13:24 Connection Critical Crossing: Gravity Sewer under a Ditch, Railroad, and S14/24 13:24 Connection R/14/24 13:24 Connection R/14/24 13:24 Connection R/14/24 14:05 State Road in Greendale, Indiana Lafayette Prairie Oaks Pipeline Rehab R/14/24 15:13 | Case Study of Broad Ripple Avenue in Indianapolis Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis Grit Happens: Conquering Startup Challenges during a WWTP Upgrade SRF Basics Ry13/24 14:58 SR13/24 15:26 WWTP Upgrade SRF Basics Ry13/24 15:29 SR13/24 16:29 The Need to Understand and Manage Water Availability within Basins in Indiana Credits Requested: Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana Credits Requested: Critical Startup Sewer Inspections North Interceptor Sewer - Danville, IN Foster Park Relief Sewer - Indian Village CSO 005 Connection Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana Lafayette Prairie Oaks Pipeline Rehab Ry14/24 15:13 Ry14/24 15:55 Ry14/24 15:55 Ry14/24 15:55 Ry14/24 15:55 Ry14/24 15:55 | Case Study of Broad Ripple Avenue in Indianapolis Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis Grit Happens: Conquering Startup Challenges during a WWTP Upgrade SRF Basics 8/13/24 14:58 8/13/24 15:29 8/13/24 16:29 1:00 The Need to Understand and Manage Water Availability within Basins in Indiana Credits Requested: Total Credits Earned Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, indiana Credits Requested: Total Credits Earned Out in The Field Not in A Book 8/14/24 8:01 8/14/24 10:06 8/14/24 10:05 8/14/24 10:05 0:25 North Interceptor Sewer - Banville, IN Foster Park Relief Sewer - Indian Village CSO 005 Connection Critical Crossing: Gravity Sewer under a Ditch, Railroad, and 8/14/24 13:24 8/14/24 10:05 8/14/24 14:00 0:25 STOTAL Credits Earned Out in The Field Not in A Book 8/14/24 10:06 8/14/24 10:05 8/14/24 10:05 8/14/24 10:05 8/14/24 10:05 8/14/24 10:05 8/14/24 10:05 8/14/24 10:05 8/14/24 10:05 0:25 Connection Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana Lafayette Prairie Oaks Pipeline Rehab Lafayette Prairie Oaks Pipeline Re | Case Study of Broad Ripple | Case Study of Broad Ripple | Case Study of Broad Ripple |

| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:29 | 8/14/24 14:00 | 0:31 | 0.5 | | 0.5 | 0.5 |
|---------------|---|---------------|---------------|----------------|-----|-----|-----|-----|
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:03 | 8/14/24 14:35 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:19 | 8/14/24 15:55 | 0:36 | | 0.5 | 0.5 | 0.5 |
| Lewin, Jason | Credits Requested: | | Total C | Credits Earned | 0.0 | 1.0 | 1.0 | 1.0 |
| | Getting the Next Generation Excited about Wastewater | 8/14/24 15:57 | 8/14/24 16:25 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Wastewater Challenge Demonstration | 8/14/24 16:28 | 8/14/24 16:55 | 0:27 | | 0.5 | 0.5 | 0.5 |
| Lewis, George | | | | | | | | |
| | Credits Requested: PDHs | | Total C | Credits Earned | 2.5 | 1.5 | 4.0 | 4.0 |
| | Mastering the Art of Master Planning | 8/14/24 7:57 | 8/14/24 9:00 | 1:02 | 1.0 | | 1.0 | 1.0 |
| | Rate inequity: are your residents subsidizing the growth in your community? | 8/14/24 9:31 | 8/14/24 10:30 | 0:58 | | 1.0 | 1.0 | 1.0 |
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:31 | 8/14/24 11:03 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | 50 Years Later and SND Still Works | 8/14/24 13:28 | 8/14/24 14:01 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:05 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:16 | 8/14/24 15:55 | 0:39 | 0.5 | | 0.5 | 0.5 |
| Liming, Josh | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 1.5 | 2.0 | 3.5 | 3.5 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:34 | 8/13/24 11:10 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:26 | 8/13/24 14:00 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:02 | 8/13/24 14:32 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 15:48 | 8/13/24 16:29 | 0:41 | | 0.5 | 0.5 | 0.5 |
| | | | | | | | | |

| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:29 | 8/13/24 16:56 | 0:27 | | 0.5 | 0.5 | 0.5 |
|--------------|---|---------------|---------------|---------------|-----|-----|------|------|
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:38 | 8/14/24 10:05 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:24 | 8/14/24 14:00 | 0:36 | 0.5 | | 0.5 | 0.5 |
| oeller, Jeff | Credits Requested: Wastev | vator | Total C | redits Earned | 9.0 | 2.0 | 11.0 | 11.0 |
| | Welcome & Keynote Address | 8/13/24 7:49 | 8/13/24 9:00 | 1:10 | 3.0 | 1.0 | 1.0 | 1.0 |
| | Biosolids: Fail to Plan; Plan to | 8/13/24 10:35 | 8/13/24 11:41 | 1:05 | 1.0 | 1.0 | 1.0 | 1.0 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:17 | 8/13/24 13:58 | 0:41 | 0.5 | | 0.5 | 0.5 |
| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 13:58 | 8/13/24 14:26 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:55 | 8/13/24 15:25 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 8:02 | 8/14/24 8:30 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:27 | 8/14/24 9:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:27 | 8/14/24 10:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:03 | 8/14/24 10:59 | 0:56 | | 1.0 | 1.0 | 1.0 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:23 | 8/14/24 14:00 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:00 | 8/14/24 14:30 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Enforcement Response Plan, Violations, and Significant Non- Compliance | 8/14/24 15:15 | 8/14/24 16:14 | 0:59 | 1.0 | | 1.0 | 1.0 |

| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:27 | 8/14/24 16:55 | 0:27 | 0.5 | | 0.5 | 0.5 |
|----------------|---|---------------|---------------|----------------|-----|-----|-----|-----|
| | Ultra-Low Phosphorus Limits | 8/15/24 7:53 | 8/15/24 8:30 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:32 | 8/15/24 9:05 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:08 | 8/15/24 9:40 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:37 | 8/15/24 10:15 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:11 | 8/15/24 10:46 | 0:35 | 0.5 | | 0.5 | 0.5 |
| opp, Addison | Credits Requested: | | Total C | Credits Earned | 1.0 | 1.5 | 2.5 | 2.5 |
| | Welcome & Keynote Address | 8/13/24 7:55 | 8/13/24 9:00 | 1:04 | | 1.0 | 1.0 | 1.0 |
| | IDEM Update | 8/13/24 15:52 | 8/13/24 16:27 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | Out In The Field Not In A Book | 8/14/24 7:55 | 8/14/24 8:57 | 1:01 | 1.0 | | 1.0 | 1.0 |
| ord, Scott | Credits Requested: PDHs | | Total C | Credits Earned | 2.5 | 0.0 | 2.5 | 2.5 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:37 | 8/13/24 11:10 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:08 | 8/13/24 11:48 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:24 | 8/13/24 13:56 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 13:58 | 8/13/24 14:26 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:56 | 8/13/24 15:26 | 0:30 | 0.5 | | 0.5 | 0.5 |
| yons, Nicholas | Credits Requested: PDHs | | Total C | Credits Earned | 4.5 | 5.0 | 9.5 | 9.5 |
| | Welcome & Keynote Address | 8/13/24 8:05 | 8/13/24 9:00 | 0:54 | | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:13 | 1:02 | | 1.0 | 1.0 | 1.0 |
| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:35 | 8/13/24 11:41 | 1:06 | 1.0 | | 1.0 | 1.0 |
| | | | | | | | | |

| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:22 | 8/13/24 13:56 | 0:33 | 0.5 | | 0.5 | 0.5 |
|-----------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | 8/13/24 14:03 | 8/13/24 14:30 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:53 | 8/13/24 15:25 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:56 | 8/13/24 16:27 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:30 | 8/13/24 16:56 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:31 | 8/14/24 10:00 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:05 | 8/14/24 10:35 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:28 | 8/14/24 11:05 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Ethics in Engineering | 8/14/24 13:37 | 8/14/24 14:30 | 0:53 | | 1.0 | 1.0 | 1.0 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:13 | 8/14/24 15:55 | 0:42 | 0.5 | | 0.5 | 0.5 |
| | Getting the Next Generation Excited about Wastewater | 8/14/24 15:55 | 8/14/24 16:25 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Enhancing the absorption capacity of GAC to remove PFAS from water | 8/14/24 16:30 | 8/14/24 16:55 | 0:25 | 0.5 | | 0.5 | 0.5 |
| achlan, Michael | Credits Requested: | | Total C | redits Earned | 4.0 | 5.5 | 9.5 | 9.5 |
| | Welcome & Keynote Address | 8/13/24 7:48 | 8/13/24 9:00 | 1:11 | | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:13 | 1:02 | | 1.0 | 1.0 | 1.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:36 | 8/13/24 11:10 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:08 | 8/13/24 11:48 | 0:39 | 0.5 | | 0.5 | 0.5 |

| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:04 | 8/13/24 14:32 | 0:28 | | 0.5 | 0.5 | 0.5 |
|--------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures | 8/13/24 15:01 | 8/13/24 15:26 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:50 | 8/13/24 16:27 | 0:36 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:30 | 8/13/24 16:56 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 8:00 | 8/14/24 8:25 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:24 | 8/14/24 9:00 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:25 | 8/14/24 10:00 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:01 | 8/14/24 10:35 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:26 | 8/14/24 11:05 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | Ethics in Engineering | 8/14/24 13:26 | 8/14/24 14:30 | 1:04 | | 1.0 | 1.0 | 1.0 |
| | Indiana Law and Statutes | 8/14/24 15:08 | 8/14/24 16:22 | 1:13 | | 1.0 | 1.0 | 1.0 |
| Mann, Emma | Credits Requested: PDHs | | Total C | redits Earned | 1.0 | 0.0 | 1.0 | 1.0 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:34 | 8/14/24 14:00 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:03 | 8/14/24 14:30 | 0:27 | 0.5 | | 0.5 | 0.5 |
| Martin, Jeff | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 1.5 | 0.0 | 1.5 | 1.5 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:51 | 8/14/24 8:22 | 0:30 | 0.5 | | 0.5 | 0.5 |

| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:32 | 8/14/24 10:00 | 0:27 | 0.5 | | 0.5 | 0.5 |
|----------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:29 | 8/14/24 14:00 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Maupin, Travis | | | | | | | | |
| | Credits Requested: | | | redits Earned | 1.5 | 0.0 | 1.5 | 1.5 |
| | 21ST Century FOG Management | 8/14/24 13:32 | 8/14/24 13:59 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | IU Permits and Applying the Combined Wastestream Formula | 8/14/24 14:07 | 8/14/24 14:35 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Adaptive mixing and process optimization with energy savings | 8/14/24 15:20 | 8/14/24 15:50 | 0:30 | 0.5 | | 0.5 | 0.5 |
| cCauley, Mac | Credits Requested: PDHs | | Total C | redits Earned | 5.0 | 4.0 | 9.0 | 9.0 |
| | Welcome & Keynote Address | 8/13/24 8:07 | 8/13/24 9:00 | 0:52 | 0.0 | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:13 | 1:02 | | 1.0 | 1.0 | 1.0 |
| | Biosolids: Fail to Plan; Plan to | 8/13/24 10:30 | 8/13/24 11:41 | 1:10 | 1.0 | | 1.0 | 1.0 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:16 | 8/13/24 13:58 | 0:42 | 0.5 | | 0.5 | 0.5 |
| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 13:59 | 8/13/24 14:26 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 14:57 | 8/13/24 15:26 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:58 | 8/13/24 16:27 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:31 | 8/13/24 16:58 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Mastering the Art of Master Planning | 8/14/24 7:53 | 8/14/24 9:00 | 1:07 | 1.0 | | 1.0 | 1.0 |
| | 50 Years Later and SND Still Works | 8/14/24 13:31 | 8/14/24 14:01 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:05 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |

| | Adaptive mixing and process optimization with energy savings | 8/14/24 15:20 | 8/14/24 15:50 | 0:30 | 0.5 | | 0.5 | 0.5 |
|-------------------|---|------------------------------|---------------|---------------|-----|-----|-----|-----|
| | Getting the Next Generation Excited about Wastewater | 8/14/24 15:58 | 8/14/24 16:25 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Enhancing the absorption capacity of GAC to remove PFAS from water | 8/14/24 16:30 | 8/14/24 16:56 | 0:25 | 0.5 | | 0.5 | 0.5 |
| cCleary, Lauren | Credits Requested: | | Total C | redits Earned | 4.0 | 0.5 | 4.5 | 4.5 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:15 | 8/13/24 13:56 | 0:40 | 0.5 | 0.0 | 0.5 | 0.5 |
| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 14:00 | 8/13/24 14:28 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:54 | 8/13/24 15:26 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:31 | 8/14/24 11:05 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:24 | 8/14/24 14:00 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:01 | 8/14/24 14:30 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:14 | 8/14/24 15:55 | 0:41 | 0.5 | | 0.5 | 0.5 |
| | Getting the Next Generation Excited about Wastewater | 8/14/24 15:58 | 8/14/24 16:25 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | Enhancing the absorption capacity of GAC to remove PFAS from water | 8/14/24 16:28 | 8/14/24 16:55 | 0:26 | 0.5 | | 0.5 | 0.5 |
| lcCormack, Jordan | Cradita Paguastada PDUs | | Total C | redits Earned | 5.5 | 2.5 | 8.0 | 8.0 |
| | Credits Requested: PDHs | 8/13/24 8:01 | 8/13/24 9:00 | 0:58 | ວ.ວ | 1.0 | 1.0 | 1.0 |
| | Welcome & Keynote Address Workforce Development Roundtable | 8/13/24 8:01 8/13/24 9:10 | 8/13/24 9:00 | 1:02 | | 1.0 | 1.0 | 1.0 |

| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:36 | 8/13/24 11:10 | 0:33 | 0.5 | | 0.5 | 0.5 |
|----------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:07 | 8/13/24 11:48 | 0:41 | 0.5 | | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:03 | 8/13/24 14:32 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | The Danish story of using low- hanging-fruit to reduce energy, carbon, and resourcesgy and carbon | 8/13/24 15:59 | 8/13/24 16:55 | 0:56 | 1.0 | | 1.0 | 1.0 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:56 | 8/14/24 8:22 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:27 | 8/14/24 9:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Water Treatment Regulatory Terms & Definitions | 8/14/24 9:28 | 8/14/24 9:59 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:31 | 8/14/24 11:05 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:04 | 8/14/24 14:30 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:16 | 8/14/24 15:55 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:51 | 8/14/24 16:26 | 0:35 | 0.5 | | 0.5 | 0.5 |
| McIntosh, Joe | | | | 11. = 1 | 1.0 | 0.0 | 1.0 | 1.0 |
| | Credits Requested: Wastev | vater | Total C | redits Earned | 1.0 | 0.0 | 1.0 | 1.0 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:56 | 8/13/24 15:25 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:18 | 8/14/24 15:55 | 0:36 | 0.5 | | 0.5 | 0.5 |
| McIntosh, Matt | | | | | 0.5 | | 2 - | 2.5 |
| | Credits Requested: | | | redits Earned | 2.5 | 0.0 | 2.5 | 2.5 |
| | Out In The Field Not In A Book | 8/14/24 8:02 | 8/14/24 8:57 | 0:55 | 1.0 | | 1.0 | 1.0 |

| | Water Treatment Regulatory Terms & Definitions | 8/14/24 9:22 | 8/14/24 9:59 | 0:37 | 0.5 | | 0.5 | 0.5 |
|--------------------|---|---------------|---------------|----------------|-----|-----|-----|-----|
| | Challenges In The Field | 8/14/24 10:01 | 8/14/24 10:57 | 0:55 | 1.0 | | 1.0 | 1.0 |
| Laughlin, Cameron | Credits Requested: Waste | water | Total C | Credits Earned | 7.5 | 0.5 | 8.0 | 8.0 |
| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:29 | 8/13/24 11:41 | 1:11 | 1.0 | | 1.0 | 1.0 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:23 | 8/13/24 13:56 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:02 | 8/13/24 14:27 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:56 | 8/13/24 15:26 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:53 | 8/13/24 16:27 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:25 | 8/14/24 10:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:03 | 8/14/24 10:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:30 | 8/14/24 11:05 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | 21ST Century FOG Management | 8/14/24 13:24 | 8/14/24 13:59 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | IU Permits and Applying the Combined Wastestream Formula | 8/14/24 14:04 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Enforcement Response Plan, Violations, and Significant Non- Compliance | 8/14/24 15:16 | 8/14/24 16:14 | 0:58 | 1.0 | | 1.0 | 1.0 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:29 | 8/15/24 9:05 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:10 | 8/15/24 9:40 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:42 | 8/15/24 10:15 | 0:32 | 0.5 | | 0.5 | 0.5 |
| :Manis Jr., Jimmie | Credits Requested: | | Total C | redits Earned | 0.5 | 0.0 | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:25 | 8/14/24 15:55 | 0:30 | 0.5 | | 0.5 | 0.5 |

| Villiams, Ethan | Credits Requested: | | Total C | redits Earned | 1.0 | 0.5 | 1.5 | 1.5 |
|-----------------|--|---------------|---------------|---------------|-----|-----|-----|-----|
| | Water Treatment Regulatory Terms & Definitions | 8/14/24 9:31 | 8/14/24 9:59 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | IU Permits and Applying the Combined Wastestream Formula | 8/14/24 14:07 | 8/14/24 14:35 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:17 | 8/14/24 15:55 | 0:37 | | 0.5 | 0.5 | 0.5 |
| sker, Shawn | Credits Requested: PDHs | | Total C | redits Earned | 7.5 | 2.0 | 9.5 | 9.5 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:13 | 1:03 | | 1.0 | 1.0 | 1.0 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:27 | 8/13/24 11:41 | 1:13 | 1.0 | | 1.0 | 1.0 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:30 | 8/13/24 13:58 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:02 | 8/13/24 14:27 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:59 | 8/13/24 15:26 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Water Treatment Regulatory Terms & Definitions | 8/14/24 9:28 | 8/14/24 9:59 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:05 | 8/14/24 10:59 | 0:54 | | 1.0 | 1.0 | 1.0 |
| | 21ST Century FOG Management | 8/14/24 13:30 | 8/14/24 13:59 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:04 | 8/14/24 14:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Adaptive mixing and process optimization with energy savings | 8/14/24 15:17 | 8/14/24 15:50 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Ultra-Low Phosphorus Limits | 8/15/24 7:48 | 8/15/24 8:30 | 0:41 | 0.5 | | 0.5 | 0.5 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:36 | 8/15/24 9:38 | 1:02 | 1.0 | | 1.0 | 1.0 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:40 | 8/15/24 10:15 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:11 | 8/15/24 10:46 | 0:34 | 0.5 | | 0.5 | 0.5 |

| | UPDATED - Emergency Replacement of a Blower During a Planning Project at the Wyoming Clean Water Plant | 8/15/24 11:23 | 8/15/24 11:57 | 0:33 | 0.5 | | 0.5 | 0.5 |
|------------------|---|--------------------|------------------|---------------|-----|-----|-----|-----|
| leiners, Camille | | | | | | | | |
| | Credits Requested: PDHs | | Total C | redits Earned | 1.0 | 1.5 | 2.5 | 2.5 |
| | PFAS Regulations Impact on the | | | | | | | |
| | Future of Land Application | 8/13/24 13:31 | 8/13/24 14:00 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | r detare of Land Application | | | | | | | |
| | Understanding the Mechanistic | | | | | | | |
| | Pathways in Sub and | | | | | | | |
| | Supercritical Water Oxidation | 8/13/24 13:59 | 8/13/24 14:26 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Processes for the Destruction of | | | | | | | |
| | PFAS and Emerging | | | | | | | |
| | Contaminants | | | | | | | |
| | SRF Basics | 8/13/24 15:56 | 8/13/24 16:29 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | Ethics in Engineering | 8/14/24 13:26 | 8/14/24 14:30 | 1:04 | | 1.0 | 1.0 | 1.0 |
| endenhall, Cory | 2 11 2 | | | | 0.0 | 4.5 | 0.5 | |
| | Credits Requested: Drinkin | | | redits Earned | 8.0 | 1.5 | 9.5 | 9.5 |
| | Operator Certification Update | 8/13/24 10:30 | 8/13/24 11:06 | 0:36 | | 0.5 | 0.5 | 0.5 |
| | Advancing Better Water Policy | | | | | | | |
| | and Strategies: The Indiana | 8/13/24 11:08 | 8/13/24 11:42 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | Water Summit and Roadmap | | | | | | | |
| | PFAS Regulations Impact on the | 0/42/24 42 47 | 0/42/2442.56 | 0.20 | 0.5 | | 0.5 | 0.5 |
| | Future of Land Application | 8/13/24 13:17 | 8/13/24 13:56 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – | | | | | | | |
| | From Concept to Demonstrated | 8/13/24 14:02 | 8/13/24 14:28 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Performance | | | | | | | |
| | | | | | | | | |
| | Total Nitrogen Treatment – What is Required vs. What is | 8/13/24 14:53 | 8/13/24 15:26 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Realistic | 2, 22, 2 1 2 1 2 2 | 5, 25, 2 : 25:25 | | | | | |
| | IDEM Update | 8/13/24 15:50 | 8/13/24 16:27 | 0:36 | | 0.5 | 0.5 | 0.5 |
| | Out In The Field Not In A Book | 8/14/24 7:51 | 8/14/24 8:57 | 1:06 | 1.0 | | 1.0 | 1.0 |
| | Water Treatment Regulatory | | | | | | | |
| | Terms & Definitions | 8/14/24 9:22 | 8/14/24 9:59 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Challenges In The Field | 8/14/24 10:03 | 8/14/24 10:57 | 0:53 | 1.0 | | 1.0 | 1.0 |
| | | -11 | -1 | | | | | |
| | 21ST Century FOG Management | 8/14/24 13:16 | 8/14/24 13:59 | 0:43 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | | |
| | IU Permits and Applying the | 8/14/24 14:04 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Combined Wastestream Formula | 5, 1., 2. 1 | 0, 1., 1.1.00 | 0.00 | 0.0 | | 0.0 | 3.3 |
| | | | | | | | | |
| | Enforcement Response Plan, | 0/1//2/ 15:1/ | 0/14/24 16:14 | 1.00 | 1.0 | | 1.0 | 1.0 |
| | Violations, and Significant Non- | 8/14/24 15:14 | 8/14/24 16:14 | 1:00 | 1.0 | | 1.0 | 1.0 |
| | Compliance | | | | | | | |
| | Tips for Labs that you may not | 8/15/24 7:53 | 8/15/24 8:30 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | know | | - | | | | | |

| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:32 | 8/15/24 9:38 | 1:06 | 1.0 | | 1.0 | 1.0 |
|--------------------------|--|---------------|---------------|---------------|-----|-----|-----|-----|
| | Basics of pH | 8/15/24 9:44 | 8/15/24 10:15 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Meredith, Charlie "Chaz" | Credits Requested: | | Total C | redits Earned | 1.0 | 0.0 | 1.0 | 1.0 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:56 | 8/13/24 15:25 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:25 | 8/14/24 15:55 | 0:30 | 0.5 | | 0.5 | 0.5 |
| erkle, Katherine | Credits Requested: PDHs | | Total C | redits Earned | 7.0 | 2.5 | 9.5 | 9.5 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:27 | 8/13/24 14:00 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:02 | 8/13/24 14:28 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 15:00 | 8/13/24 15:26 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | The Danish story of using low- hanging-fruit to reduce energy, carbon, and resourcesgy and carbon | 8/13/24 15:58 | 8/13/24 16:55 | 0:56 | 1.0 | | 1.0 | 1.0 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:29 | 8/14/24 9:00 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Rate inequity: are your residents subsidizing the growth in your community? | 8/14/24 9:33 | 8/14/24 10:30 | 0:56 | | 1.0 | 1.0 | 1.0 |
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:30 | 8/14/24 11:03 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | 50 Years Later and SND Still Works | 8/14/24 13:30 | 8/14/24 14:01 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:04 | 8/14/24 14:30 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Adaptive mixing and process optimization with energy savings | 8/14/24 15:20 | 8/14/24 15:50 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Ultra-Low Phosphorus Limits | 8/15/24 7:58 | 8/15/24 8:30 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:33 | 8/15/24 9:38 | 1:05 | 1.0 | | 1.0 | 1.0 |

| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:45 | 8/15/24 10:15 | 0:29 | 0.5 | | 0.5 | 0.5 |
|-------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:11 | 8/15/24 10:46 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:59 | 8/15/24 11:25 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | UPDATED - Emergency Replacement of a Blower During a Planning Project at the Wyoming Clean Water Plant | 8/15/24 11:29 | 8/15/24 11:57 | 0:28 | 0.5 | | 0.5 | 0.5 |
| Merkle, Wes | | | | | | | | |
| | Credits Requested: PDHs | | Total C | redits Earned | 6.0 | 2.0 | 8.0 | 8.0 |
| | Mastering the Art of Master Planning | 8/14/24 7:57 | 8/14/24 9:00 | 1:03 | 1.0 | | 1.0 | 1.0 |
| | Rate inequity: are your residents subsidizing the growth in your community? | 8/14/24 9:29 | 8/14/24 10:30 | 1:00 | | 1.0 | 1.0 | 1.0 |
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:31 | 8/14/24 11:03 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | 50 Years Later and SND Still Works | 8/14/24 13:24 | 8/14/24 14:01 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:06 | 8/14/24 14:35 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Adaptive mixing and process optimization with energy savings | 8/14/24 15:20 | 8/14/24 15:50 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:34 | 8/15/24 9:38 | 1:04 | 1.0 | | 1.0 | 1.0 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:45 | 8/15/24 10:15 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:12 | 8/15/24 10:46 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories | 8/15/24 10:58 | 8/15/24 11:55 | 0:57 | 1.0 | | 1.0 | 1.0 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:59 | 8/15/24 11:25 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | It's Raining N! The Future of Total Nitrogen Limits | 8/15/24 11:28 | 8/15/24 11:55 | 0:27 | 0.5 | | 0.5 | 0.5 |

| Merrell, Jean | | | | | | | | |
|-----------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | Credits Requested: | | Total C | redits Earned | 2.5 | 1.0 | 3.5 | 3.5 |
| | Welcome & Keynote Address | 8/13/24 7:55 | 8/13/24 9:00 | 1:04 | | 1.0 | 1.0 | 1.0 |
| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:32 | 8/13/24 11:41 | 1:09 | 1.0 | | 1.0 | 1.0 |
| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 14:03 | 8/13/24 14:28 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Out In The Field Not In A Book | 8/14/24 8:01 | 8/14/24 8:57 | 0:56 | 1.0 | | 1.0 | 1.0 |
| Merrell, Ted | Credits Requested: | | Total C | redits Earned | 0.0 | 1.0 | 1.0 | 1.0 |
| | Welcome & Keynote Address | 8/13/24 7:55 | 8/13/24 9:00 | 1:04 | | 1.0 | 1.0 | 1.0 |
| Merrell, Terry | Credits Requested: | | Total C | redits Earned | 1.5 | 0.0 | 1.5 | 1.5 |
| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:30 | 8/13/24 11:41 | 1:10 | 1.0 | | 1.0 | 1.0 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:31 | 8/13/24 13:56 | 0:25 | 0.5 | | 0.5 | 0.5 |
| Veyer, Veronika | Credits Requested: PDHs | | Total C | redits Earned | 5.0 | 2.0 | 7.0 | 7.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:39 | 8/13/24 11:10 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:08 | 8/13/24 11:48 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:28 | 8/13/24 14:01 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:02 | 8/13/24 14:32 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures | 8/13/24 15:00 | 8/13/24 15:26 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:56 | 8/13/24 16:27 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:31 | 8/13/24 16:58 | 0:27 | | 0.5 | 0.5 | 0.5 |

| | Credits Requested: PDHs | | Total C | redits Earned | 1.5 | 1.0 | 2.5 | 2.5 |
|-----------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| Miller, Craig | | | | | 4.5 | 1.0 | 2.5 | 2.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:11 | 8/15/24 9:40 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:34 | 8/15/24 9:05 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:56 | 8/13/24 16:55 | 0:58 | 1.0 | | 1.0 | 1.0 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:57 | 8/13/24 15:26 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:02 | 8/13/24 14:32 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:26 | 8/13/24 14:01 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:43 | 8/13/24 11:10 | 0:26 | 0.5 | | 0.5 | 0.5 |
| ivilles, ivilke | Credits Requested: | | Total C | redits Earned | 3.0 | 1.0 | 4.0 | 4.0 |
| Miles, Mike | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:55 | 8/14/24 16:26 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:23 | 8/14/24 15:55 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:03 | 8/14/24 14:30 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:23 | 8/14/24 14:00 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:03 | 8/14/24 10:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:29 | 8/14/24 10:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 8:01 | 8/14/24 8:27 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | | |

| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:28 | 8/14/24 14:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
|---------------|--|---------------|---------------|----------------|-----|-----|------------|-----|
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:03 | 8/14/24 14:30 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:22 | 8/14/24 15:55 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility | 8/15/24 7:56 | 8/15/24 8:30 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:28 | 8/15/24 9:05 | 0:37 | 0.5 | | 0.5 | 0.5 |
| Miller, Holly | a 10 a | | | | F F | 0.5 | 6.0 | 6.0 |
| | Credits Requested: PDHs | | Total C | Credits Earned | 5.5 | 0.5 | 6.0 | 6.0 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:26 | 8/13/24 13:58 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:03 | 8/13/24 14:28 | 0:24 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:52 | 8/13/24 15:26 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 16:01 | 8/13/24 16:55 | 0:53 | 1.0 | | 1.0 | 1.0 |
| | Energy Efficient Retrofits of Oxidation ditches | 8/14/24 8:00 | 8/14/24 8:26 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:27 | 8/14/24 9:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:32 | 8/14/24 10:00 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:03 | 8/14/24 10:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:31 | 8/14/24 11:03 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | 50 Years Later and SND Still Works | 8/14/24 13:28 | 8/14/24 14:01 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | | |

| Miller, Rick | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:05 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
|---------------|--|---------------|---------------|---------------|-----|-----|------|------|
| Willer, Nick | Credits Requested: | | Total C | redits Earned | 0.0 | 0.5 | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:03 | 8/13/24 14:32 | 0:28 | | 0.5 | 0.5 | 0.5 |
| Minelli, Lois | Credits Requested: | | Total C | redits Earned | 7.0 | 6.0 | 13.0 | 13.0 |
| | Welcome & Keynote Address | 8/13/24 8:05 | 8/13/24 9:00 | 0:54 | 7.0 | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:13 | 1:03 | | 1.0 | 1.0 | 1.0 |
| | Operator Certification Update | 8/13/24 10:31 | 8/13/24 11:06 | 0:35 | | 0.5 | 0.5 | 0.5 |
| | Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap | 8/13/24 11:08 | 8/13/24 11:42 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:24 | 8/13/24 13:56 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | 8/13/24 13:58 | 8/13/24 14:30 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:53 | 8/13/24 16:27 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:31 | 8/13/24 16:58 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | Out In The Field Not In A Book | 8/14/24 8:00 | 8/14/24 8:57 | 0:56 | 1.0 | | 1.0 | 1.0 |
| | Water Treatment Regulatory Terms & Definitions | 8/14/24 9:28 | 8/14/24 9:59 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Challenges In The Field | 8/14/24 10:04 | 8/14/24 10:57 | 0:52 | 1.0 | | 1.0 | 1.0 |
| | 21ST Century FOG Management | 8/14/24 13:31 | 8/14/24 13:59 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | IU Permits and Applying the Combined Wastestream Formula | 8/14/24 14:05 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Enforcement Response Plan, Violations, and Significant Non- Compliance | 8/14/24 15:23 | 8/14/24 16:14 | 0:51 | 1.0 | | 1.0 | 1.0 |
| | Transforming Compliance Using Collaborative Technology | 8/14/24 16:21 | 8/14/24 16:57 | 0:36 | 0.5 | | 0.5 | 0.5 |

| | Electrical Safety for Wastewater Operators and Maintenance Personnel | 8/15/24 7:56 | 8/15/24 8:30 | 0:34 | | 0.5 | 0.5 | 0.5 |
|-----------------|--|---------------|---------------|---------------|-----|-----|-----|-----|
| | Emergency Preparedness and Procedures | 8/15/24 8:31 | 8/15/24 9:10 | 0:38 | | 0.5 | 0.5 | 0.5 |
| | Basics of pH | 8/15/24 9:47 | 8/15/24 10:15 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | A case for better lab results | 8/15/24 10:15 | 8/15/24 10:47 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:52 | 8/15/24 11:25 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens - Sustainable Solutions for Grit Management At WWTPs | 8/15/24 11:21 | 8/15/24 11:55 | 0:34 | 0.5 | | 0.5 | 0.5 |
| Mix, Andy | Credits Requested: | | Total C | redits Earned | 2.5 | 1.0 | 3.5 | 3.5 |
| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:29 | 8/13/24 11:41 | 1:11 | 1.0 | | 1.0 | 1.0 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:15 | 8/13/24 13:56 | 0:40 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:03 | 8/13/24 14:28 | 0:24 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 15:00 | 8/13/24 15:26 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:53 | 8/13/24 16:27 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:31 | 8/13/24 16:56 | 0:25 | | 0.5 | 0.5 | 0.5 |
| Modlin, Chelsea | | | | | | | | |
| | Credits Requested: PDHs | | Total C | redits Earned | 1.0 | 1.5 | 2.5 | 2.5 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:38 | 8/13/24 11:10 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:12 | 8/13/24 11:48 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:26 | 8/13/24 14:01 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:02 | 8/13/24 14:32 | 0:29 | | 0.5 | 0.5 | 0.5 |

| | SRF Basics | 8/13/24 15:57 | 8/13/24 16:29 | 0:32 | | 0.5 | 0.5 | 0.5 |
|---------------|--|---------------|---------------|---------------|-----|-----|-----|-----|
| Mohler, David | Credits Requested: | | Total C | redits Earned | 2.0 | 5.5 | 7.5 | 7.5 |
| | Welcome & Keynote Address | 8/13/24 7:46 | 8/13/24 9:00 | 1:14 | | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:14 | 1:03 | | 1.0 | 1.0 | 1.0 |
| | Operator Certification Update | 8/13/24 10:35 | 8/13/24 11:06 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | The Danish story of using low- hanging-fruit to reduce energy, carbon, and resourcesgy and carbon | 8/13/24 15:58 | 8/13/24 16:55 | 0:57 | 1.0 | | 1.0 | 1.0 |
| | Ethics in Engineering | 8/14/24 13:30 | 8/14/24 14:30 | 1:00 | | 1.0 | 1.0 | 1.0 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:17 | 8/14/24 15:55 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility | 8/15/24 7:54 | 8/15/24 8:30 | 0:36 | | 0.5 | 0.5 | 0.5 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:36 | 8/15/24 9:06 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | City of Kalamazoo's Holistic Approach to Selecting New Process Technologies | 8/15/24 9:45 | 8/15/24 10:50 | 1:04 | | 1.0 | 1.0 | 1.0 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:54 | 8/15/24 11:25 | 0:30 | | 0.5 | 0.5 | 0.5 |
| Moore, Amy | Credits Requested: PDHs | | Total C | redits Earned | 1.5 | 1.0 | 2.5 | 2.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:13 | 8/13/24 11:48 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:26 | 8/13/24 14:01 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:02 | 8/13/24 14:32 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:26 | 8/14/24 14:00 | 0:33 | 0.5 | | 0.5 | 0.5 |

| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:04 | 8/14/24 14:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
|----------------|--|---------------|---------------|----------------|-----|-----|------|------|
| Moore, Wayne | Credits Requested: PDHs | | Total C | redits Earned | 1.0 | 0.5 | 1.5 | 1.5 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:53 | 8/15/24 11:25 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens - Sustainable Solutions for Grit Management At WWTPs | 8/15/24 11:31 | 8/15/24 11:56 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | It's Raining N! The Future of Total Nitrogen Limits | 8/15/24 11:33 | 8/15/24 11:58 | 0:25 | 0.5 | | 0.5 | 0.5 |
| Morton, Philip | Credits Requested: PDHs | | Total C | Credits Earned | 4.5 | 7.5 | 12.0 | 12.0 |
| | | | TOLATC | reuits carrieu | 4.5 | 7.5 | 12.0 | 12.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:36 | 8/13/24 11:10 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap | 8/13/24 11:09 | 8/13/24 11:42 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:34 | 8/13/24 14:00 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:02 | 8/13/24 14:28 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:59 | 8/13/24 15:25 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 15:58 | 8/13/24 16:29 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:29 | 8/13/24 16:56 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:58 | 8/14/24 8:26 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:27 | 8/14/24 9:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Rate inequity: are your residents subsidizing the growth in your community? | 8/14/24 9:32 | 8/14/24 10:30 | 0:58 | | 1.0 | 1.0 | 1.0 |
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:31 | 8/14/24 11:03 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | Ethics in Engineering | 8/14/24 13:30 | 8/14/24 14:30 | 1:00 | • | 1.0 | 1.0 | 1.0 |
| | Indiana Law and Statutes | 8/14/24 15:12 | 8/14/24 16:22 | 1:09 | | 1.0 | 1.0 | 1.0 |
| | Leading Change | 8/14/24 16:30 | 8/14/24 16:58 | 0:27 | | 0.5 | 0.5 | 0.5 |

| | Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility | 8/15/24 7:54 | 8/15/24 8:30 | 0:36 | | 0.5 | 0.5 | 0.5 |
|-----------------|---|-------------------------------------|--------------------------------|---------------|-----|-----|------|------|
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:28 | 8/15/24 9:06 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:10 | 8/15/24 9:40 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | City of Kalamazoo's Holistic Approach to Selecting New Process Technologies | 8/15/24 9:38 | 8/15/24 10:50 | 1:11 | | 1.0 | 1.0 | 1.0 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:56 | 8/15/24 11:25 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | It's Raining N! The Future of Total Nitrogen Limits | 8/15/24 11:21 | 8/15/24 11:55 | 0:34 | 0.5 | | 0.5 | 0.5 |
| lullett, Robert | Credits Requested: | | Total C | redits Earned | 1.5 | 2.0 | 3.5 | 3.5 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:29 | 8/13/24 11:41 | 1:12 | 1.0 | | 1.0 | 1.0 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:29 | 8/13/24 14:01 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 14:01 | 8/13/24 14:28 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 14:56 | 8/13/24 15:26 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 15:49 | 8/13/24 16:29 | 0:39 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability | 8/13/24 16:31 | 8/13/24 16:56 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | within Basins in Indiana | | | | | | | |
| lurray, Chris | | g Water, Wastewater | Total C | redits Earned | 7.5 | 3.5 | 11.0 | 11.0 |
| urray, Chris | within Basins in Indiana Credits Requested: Drinkin Welcome & Keynote Address | g Water, Wastewater 8/13/24 7:49 | Total C 8/13/24 9:00 | redits Earned | 7.5 | 3.5 | 11.0 | 11.0 |
| urray, Chris | Credits Requested: Drinkin | - | | | 7.5 | | | |

| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 14:01 | 8/13/24 14:28 | 0:26 | 0.5 | | 0.5 | 0.5 |
|---------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:53 | 8/13/24 15:25 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 16:00 | 8/13/24 16:29 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Forecasting Urban Water Escherichia coli Contamination Using Machine Learning Models | 8/13/24 16:26 | 8/13/24 17:00 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | Mastering the Art of Master Planning | 8/14/24 7:51 | 8/14/24 9:00 | 1:09 | 1.0 | | 1.0 | 1.0 |
| | Water Treatment Regulatory Terms & Definitions | 8/14/24 9:28 | 8/14/24 9:59 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Water and Wastewater Workforce Development – Is your community ready for the challenge? | 8/14/24 13:26 | 8/14/24 14:30 | 1:03 | | 1.0 | 1.0 | 1.0 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:18 | 8/14/24 15:55 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Getting the Next Generation Excited about Wastewater | 8/14/24 15:56 | 8/14/24 16:25 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Tips for Labs that you may not know | 8/15/24 7:59 | 8/15/24 8:30 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:37 | 8/15/24 9:39 | 1:01 | 1.0 | | 1.0 | 1.0 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:12 | 8/15/24 10:46 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories | 8/15/24 11:03 | 8/15/24 11:55 | 0:52 | 1.0 | | 1.0 | 1.0 |
| Murray, David | Credits Requested: | | Total C | redits Earned | 4.0 | 0.0 | 4.0 | 4.0 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:24 | 8/14/24 9:00 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:24 | 8/14/24 10:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:03 | 8/14/24 10:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | | |

| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:24 | 8/14/24 14:00 | 0:36 | 0.5 | | 0.5 | 0.5 |
|-----------------|--|---------------|---------------|---------------|-----|-----|-----|-----|
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:04 | 8/14/24 14:30 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:16 | 8/14/24 15:55 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:50 | 8/14/24 16:26 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:31 | 8/14/24 16:58 | 0:26 | 0.5 | | 0.5 | 0.5 |
| Murry, Wayne | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 4.0 | 1.5 | 5.0 | 5.0 |
| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:39 | 8/13/24 11:41 | 1:02 | 1.0 | | 1.0 | 1.0 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:34 | 8/13/24 14:00 | 0:26 | 0.5 | | 0.0 | 0.0 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:03 | 8/13/24 14:28 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:30 | 8/14/24 9:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:26 | 8/14/24 10:00 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:02 | 8/14/24 10:59 | 0:57 | | 1.0 | 1.0 | 1.0 |
| | Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility | 8/15/24 7:56 | 8/15/24 8:30 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:30 | 8/15/24 9:06 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:09 | 8/15/24 9:40 | 0:30 | 0.5 | | 0.5 | 0.5 |
| Musgrave, Chris | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 2.5 | 0.5 | 3.0 | 3.0 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:24 | 8/13/24 13:58 | 0:34 | 0.5 | | 0.5 | 0.5 |

| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:03 | 8/13/24 14:28 | 0:25 | 0.5 | | 0.5 | 0.5 |
|--------------|--|---------------|---------------|---------------|-----|-----|-----|-----|
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:29 | 8/14/24 10:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Ultra-Low Phosphorus Limits | 8/15/24 8:02 | 8/15/24 8:30 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | IWEA WASTEWATER LABORATORY ANALYST CERTIFICATION | 8/15/24 8:34 | 8/15/24 9:01 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | Flexing Your Procurement Muscle | 8/15/24 9:08 | 8/15/24 9:37 | 0:29 | 0.5 | | 0.5 | 0.5 |
| usser, James | | | | | | | | |
| | Credits Requested: Waste | water | Total C | redits Earned | 6.0 | 3.0 | 9.0 | 9.0 |
| | Welcome & Keynote Address | 8/13/24 7:47 | 8/13/24 9:00 | 1:12 | | 1.0 | 1.0 | 1.0 |
| | Operator Certification Update | 8/13/24 10:37 | 8/13/24 11:06 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap | 8/13/24 11:11 | 8/13/24 11:42 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks | 8/13/24 13:26 | 8/13/24 13:57 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | Out In The Field Not In A Book | 8/14/24 8:01 | 8/14/24 8:57 | 0:55 | 1.0 | | 1.0 | 1.0 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:30 | 8/14/24 10:00 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Challenges In The Field | 8/14/24 10:05 | 8/14/24 10:57 | 0:51 | 1.0 | | 1.0 | 1.0 |
| | 21ST Century FOG Management | 8/14/24 13:33 | 8/14/24 13:59 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | IU Permits and Applying the Combined Wastestream Formula | 8/14/24 14:08 | 8/14/24 14:35 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Tips for Labs that you may not know | 8/15/24 7:54 | 8/15/24 8:30 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | IWEA WASTEWATER LABORATORY ANALYST CERTIFICATION | 8/15/24 8:33 | 8/15/24 9:01 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Flexing Your Procurement Muscle | 8/15/24 9:09 | 8/15/24 9:37 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | A case for better lab results | 8/15/24 10:20 | 8/15/24 10:47 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories | 8/15/24 10:59 | 8/15/24 11:55 | 0:55 | 1.0 | | 1.0 | 1.0 |
| yers, Khylei | Credits Requested: PDHs | | Total C | redits Earned | 1.5 | 0.0 | 1.5 | 1.5 |

| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:29 | 8/14/24 10:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
|----------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:35 | 8/14/24 14:00 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:32 | 8/14/24 16:58 | 0:25 | 0.5 | | 0.5 | 0.5 |
| Napier, Mike | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 0.5 | 1.0 | 1.5 | 1.5 |
| | Welcome & Keynote Address | 8/13/24 7:59 | 8/13/24 9:00 | 1:01 | | 1.0 | 1.0 | 1.0 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:03 | 8/13/24 14:28 | 0:24 | 0.5 | | 0.5 | 0.5 |
| Neilson, Brian | Credits Requested: | | Total C | redits Earned | 1.0 | 1.0 | 2.0 | 2.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:32 | 8/13/24 11:10 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:10 | 8/13/24 11:48 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:56 | 8/13/24 16:27 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:30 | 8/13/24 16:56 | 0:25 | | 0.5 | 0.5 | 0.5 |
| Nelson, Emily | | | | | | | | |
| | Credits Requested: PDHs | | Total C | redits Earned | 1.5 | 1.5 | 3.0 | 3.0 |
| | Welcome & Keynote Address | 8/13/24 7:59 | 8/13/24 9:00 | 1:01 | | 1.0 | 1.0 | 1.0 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:06 | 8/13/24 14:32 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures | 8/13/24 15:01 | 8/13/24 15:26 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:34 | 8/14/24 14:00 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:05 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |

| Neukam, Zach | | | | | | | | |
|---------------|---|--------------------|---------------|----------------|-----|-----|------|------|
| | Credits Requested: PDHs | | Total C | Credits Earned | 2.5 | 0.5 | 3.0 | 3.0 |
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:31 | 8/14/24 11:03 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:28 | | 0.5 | 0.5 | | | |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:03 | | 0.5 | 0.5 | | | |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:19 | 8/14/24 15:55 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:57 | 8/14/24 16:26 | 0:28 | 0.5 | | 0.5 | 0.5 |
| Javill Tyles | Enhancing the absorption capacity of GAC to remove PFAS from water | 8/14/24 16:30 | 8/14/24 16:56 | 0:25 | 0.5 | | 0.5 | 0.5 |
| evill, Tyler | Credits Requested: Drinkin | g Water Wastewater | Total C | 1.5 | 2.5 | 4.0 | 4.0 | |
| | Operator Certification Update | 8/13/24 10:37 | 8/13/24 11:06 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:27 | 8/13/24 14:01 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:05 | 8/13/24 14:32 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures | 8/13/24 14:53 | 8/13/24 15:26 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:50 | 8/13/24 16:27 | 0:36 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:31 | 8/13/24 16:56 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:24 | 8/14/24 10:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:04 | 8/14/24 10:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| Newkirk, Eric | Credits Requested: PDHs | | Total C | Credits Earned | 6.5 | 3.5 | 10.0 | 10.0 |

| Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:30 | 8/13/24 11:10 | 0:39 | 0.5 | | 0.5 | 0 |
|--|---------------|---------------|------|-----|-----|-----|---|
| In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:11 | 8/13/24 11:48 | 0:37 | 0.5 | | 0.5 | 0 |
| PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:25 | 8/13/24 13:56 | 0:31 | 0.5 | | 0.5 | C |
| Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:03 | 8/13/24 14:32 | 0:28 | | 0.5 | 0.5 | C |
| Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures | 8/13/24 14:56 | 8/13/24 15:26 | 0:29 | 0.5 | | 0.5 | (|
| IDEM Update | 8/13/24 15:50 | 8/13/24 16:27 | 0:36 | | 0.5 | 0.5 | C |
| Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 8:00 | 8/14/24 8:25 | 0:25 | 0.5 | | 0.5 | C |
| Hydraulic Modeling - What is it good for? | 8/14/24 8:24 | 8/14/24 9:00 | 0:36 | 0.5 | | 0.5 | (|
| Rate inequity: are your residents subsidizing the growth in your community? | 8/14/24 9:25 | 8/14/24 10:30 | 1:04 | | 1.0 | 1.0 | 1 |
| Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:26 | 8/14/24 10:00 | 0:33 | 0.5 | | 0.5 | (|
| North Interceptor Sewer - Danville, IN | 8/14/24 10:08 | 8/14/24 10:35 | 0:26 | 0.5 | | 0.5 | (|
| Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:38 | 8/14/24 11:03 | 0:25 | | 0.5 | 0.5 | (|
| 21ST Century FOG Management | 8/14/24 13:17 | 8/14/24 13:59 | 0:42 | 0.5 | | 0.5 | (|
| IU Permits and Applying the Combined Wastestream Formula | 8/14/24 14:05 | 8/14/24 14:35 | 0:29 | 0.5 | | 0.5 | (|
| Indiana Law and Statutes | 8/14/24 15:08 | 8/14/24 16:22 | 1:13 | | 1.0 | 1.0 | : |
| Back to Basics: Review of UV Disinfection | 8/15/24 8:29 | 8/15/24 9:06 | 0:36 | 0.5 | | 0.5 | (|
| Primary Clarifier Sludge and Scum | 8/15/24 9:10 | 8/15/24 9:40 | 0:29 | 0.5 | | 0.5 | (|
| Basics of pH | 8/15/24 9:44 | 8/15/24 10:15 | 0:31 | 0.5 | | 0.5 | (|

| | Credits Requested: Waster | water | Total C | Credits Earned | 5.5 | 2.5 | 8.0 | 8.0 |
|-----------------|--|---------------|---------------|----------------|-----|-----|-----|-----|
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:35 | 8/14/24 9:00 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Water Treatment Regulatory Terms & Definitions | 8/14/24 9:28 | 8/14/24 9:59 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Challenges In The Field | 8/14/24 10:04 | 8/14/24 11:02 | 0:57 | 1.0 | | 1.0 | 1.0 |
| | Ethics in Engineering | 8/14/24 13:13 | 8/14/24 14:30 | 1:17 | | 1.0 | 1.0 | 1.0 |
| | Indiana Law and Statutes | 8/14/24 15:07 | 8/14/24 16:22 | 1:14 | | 1.0 | 1.0 | 1.0 |
| | Enhancing the absorption capacity of GAC to remove PFAS from water | 8/14/24 16:30 | 8/14/24 16:56 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Tips for Labs that you may not know | 8/15/24 7:59 | 8/15/24 8:30 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | IWEA WASTEWATER LABORATORY ANALYST CERTIFICATION | 8/15/24 8:34 | 8/15/24 9:01 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Flexing Your Procurement Muscle | 8/15/24 9:11 | 8/15/24 9:37 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:44 | 8/15/24 10:15 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | A case for better lab results | 8/15/24 10:16 | 8/15/24 10:47 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories | 8/15/24 10:56 | 8/15/24 11:55 | 0:58 | 1.0 | | 1.0 | 1.0 |
| Nibarger, Brent | Credits Requested: | | Total C | Credits Earned | 1.0 | 0.0 | 1.0 | 1.0 |
| | The Danish story of using low- hanging-fruit to reduce energy, carbon, and resourcesgy and carbon | 8/13/24 16:00 | 8/13/24 16:55 | 0:55 | 1.0 | | 1.0 | 1.0 |
| Nielsen, Benny | Credits Requested: | | Total C | redits Earned | 2.5 | 1.0 | 3.5 | 3.5 |
| | Energy Efficient Retrofits of Oxidation ditches | 8/14/24 8:00 | 8/14/24 8:26 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:27 | 8/14/24 9:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:34 | 8/14/24 10:00 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:04 | 8/14/24 10:59 | 0:55 | | 1.0 | 1.0 | 1.0 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:31 | 8/14/24 14:00 | 0:29 | 0.5 | | 0.5 | 0.5 |

| No. Esta | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:03 | 8/14/24 14:35 | 0:32 | 0.5 | | 0.5 | 0.5 |
|--------------|--|---|---|--------------------------------------|-----------------------|-----|--------------------------|--------------------------|
| Noe, Eric | Credits Requested: | | Total C | Credits Earned | 0.0 | 1.0 | 1.0 | 1.0 |
| | Water and Wastewater Workforce Development – Is your community ready for the challenge? | 8/14/24 13:25 | 8/14/24 14:30 | 1:04 | | 1.0 | 1.0 | 1.0 |
| Norris, Brad | Credits Requested: | | Total C | redits Earned | 1.0 | 2.0 | 3.0 | 3.0 |
| | Welcome & Keynote Address | 8/13/24 7:59 | 8/13/24 9:00 | 1:01 | 1.0 | 1.0 | 1.0 | 1.0 |
| | Using Al, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:26 | 8/14/24 10:00 | 0:33 | 0.5 | 1.0 | 0.5 | 0.5 |
| | Water and Wastewater Workforce Development – Is your community ready for the challenge? | 8/14/24 13:26 | 8/14/24 14:30 | 1:03 | | 1.0 | 1.0 | 1.0 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:18 | 8/14/24 15:55 | 0:37 | 0.5 | | 0.5 | 0.5 |
| Norton, Jill | | | | | | | | |
| Norton, Jili | Credits Requested: Wastev | vater | Total C | Credits Earned | 5.0 | 2.5 | 7.5 | 7.5 |
| Notion, and | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:13 | Total C 8/13/24 11:48 | 0:35 | 5.0 _{0.5} | 2.5 | 7.5 0.5 | 7.5 0.5 |
| Notion, and | In Case of Emergency: Keeping Stormwater and Traffic Flowing | | | | | 2.5 | | |
| NOILOI, JIII | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana PFAS Regulations Impact on the | 8/13/24 11:13 | 8/13/24 11:48 | 0:35 | 0.5 | 2.5 | 0.5 | 0.5 |
| Notion, and | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana PFAS Regulations Impact on the Future of Land Application Optimizing Final Clarifiers — From Concept to Demonstrated | 8/13/24 11:13 8/13/24 13:28 | 8/13/24 11:48 8/13/24 13:56 | 0:35 | 0.5 | 2.5 | 0.5 | 0.5 |
| Notion, Jili | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana PFAS Regulations Impact on the Future of Land Application Optimizing Final Clarifiers — From Concept to Demonstrated Performance Total Nitrogen Treatment — What is Required vs. What is | 8/13/24 11:13 8/13/24 13:28 8/13/24 14:03 | 8/13/24 11:48 8/13/24 13:56 8/13/24 14:28 | 0:35 0:28 0:25 | 0.5 0.5 0.5 | 2.5 | 0.5 0.5 0.5 | 0.5 0.5 0.5 |
| NOTION, JIII | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana PFAS Regulations Impact on the Future of Land Application Optimizing Final Clarifiers — From Concept to Demonstrated Performance Total Nitrogen Treatment — What is Required vs. What is Realistic | 8/13/24 11:13 8/13/24 13:28 8/13/24 14:03 8/13/24 15:00 | 8/13/24 11:48 8/13/24 13:56 8/13/24 14:28 8/13/24 15:26 | 0:35 0:28 0:25 | 0.5 0.5 0.5 | | 0.5 0.5 0.5 | 0.5 0.5 0.5 |
| NOTION, JIII | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana PFAS Regulations Impact on the Future of Land Application Optimizing Final Clarifiers — From Concept to Demonstrated Performance Total Nitrogen Treatment — What is Required vs. What is Realistic IDEM Update The Need to Understand and Manage Water Availability | 8/13/24 11:13 8/13/24 13:28 8/13/24 14:03 8/13/24 15:00 8/13/24 15:55 | 8/13/24 11:48 8/13/24 13:56 8/13/24 14:28 8/13/24 15:26 8/13/24 16:27 | 0:35 0:28 0:25 0:26 0:31 | 0.5 0.5 0.5 | 0.5 | 0.5 0.5 0.5 0.5 | 0.5 0.5 0.5 0.5 |

| | Water and Wastewater Workforce Development – Is your community ready for the challenge? | 8/14/24 13:33 | 8/14/24 14:30 | 0:57 | | 1.0 | 1.0 | 1.0 |
|------------------|--|----------------|----------------|----------------|-----|-----|------|------|
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:21 | 8/14/24 15:55 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | A case for better lab results | 8/15/24 10:21 | 8/15/24 10:47 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories | 8/15/24 11:05 | 8/15/24 11:55 | 0:50 | 1.0 | | 1.0 | 1.0 |
| Iovak, Annabelle | Credits Requested: | | Total C | Credits Earned | 3.0 | 2.0 | 5.0 | 5.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:39 | 8/13/24 11:10 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:07 | 8/13/24 11:48 | 0:41 | 0.5 | | 0.5 | 0.5 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:28 | 8/13/24 14:01 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:02 | 8/13/24 14:32 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures | 8/13/24 15:00 | 8/13/24 15:26 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 15:57 | 8/13/24 16:29 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:29 | 8/13/24 16:56 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:59 | 8/14/24 8:25 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:29 | 8/14/24 10:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:16 | 8/14/24 15:55 | 0:39 | 0.5 | | 0.5 | 0.5 |
| Nye, Mark | Credits Requested: Waster | vater. PDHs | Total C | Credits Earned | 6.0 | 4.0 | 10.0 | 10.0 |
| | Welcome & Keynote Address | 8/13/24 7:48 | 8/13/24 9:00 | 1:11 | 0.0 | 1.0 | 1.0 | 1.0 |
| | vveicume & Reynote Address | 0/ 13/ 27 7.70 | 0/ 13/ 27 3.00 | 1.11 | | 1.0 | 1.0 | 1.0 |

| Credits Requested: Total Credits Earned 1.0 0.0 1.0 1.0 The Danish story of using low-hanging-fruit to reduce energy, carbon, and resourcesgy and carbon | | | | | | | | | |
|--|----------------------|--|---------------|---------------|-----------------|------|-----|------|------|
| Fail State | | · | 8/13/24 9:10 | 8/13/24 10:14 | 1:03 | | 1.0 | 1.0 | 1.0 |
| Future of Land Application | | | 8/13/24 10:37 | 8/13/24 11:41 | 1:03 | 1.0 | | 1.0 | 1.0 |
| Pathways in Sub and Superfrictial Water Oxidation 8/13/24 14:00 8/13/24 14:28 0:27 0:5 0 | | · · | 8/13/24 13:23 | 8/13/24 13:56 | 0:32 | 0.5 | | 0.5 | 0.5 |
| What is Required vs. What is Realistic | | Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging | 8/13/24 14:00 | 8/13/24 14:28 | 0:27 | 0.5 | | 0.5 | 0.5 |
| hanging-fruit to reduce energy, carbon, and resourcesgy and carbon 1.0 1 | | What is Required vs. What is | 8/13/24 15:00 | 8/13/24 15:26 | 0:26 | 0.5 | | 0.5 | 0.5 |
| Dokidation ditches | | hanging-fruit to reduce energy, carbon, and resourcesgy and | 8/13/24 15:53 | 8/13/24 16:55 | 1:02 | 1.0 | | 1.0 | 1.0 |
| WWTP Non-Potable Water Systems - The Neglected Plant Systems - The Neglected Plant Process Systems - The Neglected Plant Process Systems - The Neglected Plant Systems - The N | | | 8/14/24 7:58 | 8/14/24 8:26 | 0:27 | 0.5 | | 0.5 | 0.5 |
| Systems - The Neglected Plant Process S/14/24 9:27 S/14/24 10:00 0:33 0.5 0.5 0.5 | | Benefits of Big Bubble Mixing | 8/14/24 8:28 | 8/14/24 9:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| Maintenance and savings S/14/24 10:05 S/14/24 10:05 0.53 1.0 1.0 1.0 | | Systems – The Neglected Plant | 8/14/24 9:27 | 8/14/24 10:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| Works Work | | | 8/14/24 10:06 | 8/14/24 10:59 | 0:53 | | 1.0 | 1.0 | 1.0 |
| Design Capacity Compared to Real World Observations Real World Obs | | | 8/14/24 13:26 | 8/14/24 14:01 | 0:35 | 0.5 | | 0.5 | 0.5 |
| O'Connell, Morrighan Credits Requested: Total Credits Earned 1.0 0.0 1.0 1.0 The Danish story of using low-hanging-fruit to reduce energy, carbon, and resourcesgy and carbon 8/13/24 15:52 8/13/24 16:55 1:03 1.0 1.0 1.0 1.0 Oakley, Roger Welcome & Keynote Address 8/13/24 7:58 8/13/24 9:00 1:01 1.0 1.0 1.0 Workforce Development 8/13/24 9:10 8/13/24 10:14 1:03 1.0 1.0 1.0 | | Design Capacity Compared to | 8/14/24 14:04 | 8/14/24 14:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Credits Requested: Total Credits Earned 1.0 0.0 1.0 1.0 The Danish story of using low-hanging-fruit to reduce energy, carbon, and resourcesgy and carbon 8/13/24 15:52 8/13/24 16:55 1:03 1.0 1.0 1.0 1.0 Cakley, Roger Welcome & Keynote Address 8/13/24 7:58 8/13/24 9:00 1:01 1.0 1.0 1.0 Workforce Development 8/13/24 9:10 8/13/24 10:14 1:03 1.0 1.0 1.0 | | Indiana Law and Statutes | 8/14/24 15:18 | 8/14/24 16:22 | 1:04 | | 1.0 | 1.0 | 1.0 |
| hanging-fruit to reduce energy, carbon, and resourcesgy and carbon Oakley, Roger Credits Requested: Wastewater Total Credits Earned 11.0 1.0 | O'Connell, Morrighan | Credits Requested: | | Total C | redits Earned | 1.0 | 0.0 | 1.0 | 1.0 |
| Credits Requested: Wastewater Total Credits Earned 11.0 2.0 13.0 13.0 Welcome & Keynote Address 8/13/24 7:58 8/13/24 9:00 1:01 1.0 1.0 1.0 1.0 Workforce Development 8/13/24 9:10 8/13/24 10:14 1:03 1.0 1.0 1.0 1.0 | | hanging-fruit to reduce energy, carbon, and resourcesgy and | 8/13/24 15:52 | 8/13/24 16:55 | 1:03 | 1.0 | | 1.0 | 1.0 |
| Welcome & Keynote Address 8/13/24 7:58 8/13/24 9:00 1:01 1.0 1.0 1.0 Workforce Development 8/13/24 9:10 8/13/24 10:14 1:03 1.0 1.0 1.0 | Oakley, Roger | Cuadita Daguagtada Marta | | Total C | undite Foundati | 11.0 | 2.0 | 12.0 | 12.0 |
| Workforce Development 8/13/24 9:10 8/13/24 10:14 1:03 1.0 1.0 1.0 | | | | | | 11.0 | | | |
| 6/13/24 9.10 6/13/24 10.14 1.05 1.0 1.0 1.0 | | | 8/13/24 /:58 | 8/13/24 9:00 | 1:01 | | 1.0 | 1.0 | 1.0 |
| | | · | 8/13/24 9:10 | 8/13/24 10:14 | 1:03 | | 1.0 | 1.0 | 1.0 |

| Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:29 | 8/13/24 11:41 | 1:12 | 1.0 | 1.0 | 1.0 |
|---|---------------|---------------|------|-----|-----|-----|
| Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:26 | 8/13/24 13:58 | 0:32 | 0.5 | 0.5 | 0.5 |
| Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:03 | 8/13/24 14:28 | 0:25 | 0.5 | 0.5 | 0.5 |
| Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:55 | 8/13/24 15:25 | 0:30 | 0.5 | 0.5 | 0.5 |
| Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:55 | 8/13/24 16:55 | 1:00 | 1.0 | 1.0 | 1.0 |
| Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:56 | 8/14/24 8:26 | 0:29 | 0.5 | 0.5 | 0.5 |
| Benefits of Big Bubble Mixing | 8/14/24 8:28 | 8/14/24 9:00 | 0:31 | 0.5 | 0.5 | 0.5 |
| Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:29 | 8/14/24 10:00 | 0:30 | 0.5 | 0.5 | 0.5 |
| North Interceptor Sewer - Danville, IN | 8/14/24 10:01 | 8/14/24 10:35 | 0:33 | 0.5 | 0.5 | 0.5 |
| Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:30 | 8/14/24 11:05 | 0:34 | 0.5 | 0.5 | 0.5 |
| 50 Years Later and SND Still Works | 8/14/24 13:25 | 8/14/24 14:01 | 0:36 | 0.5 | 0.5 | 0.5 |
| Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:04 | 8/14/24 14:35 | 0:31 | 0.5 | 0.5 | 0.5 |
| Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:14 | 8/14/24 15:55 | 0:41 | 0.5 | 0.5 | 0.5 |
| Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:51 | 8/14/24 16:26 | 0:35 | 0.5 | 0.5 | 0.5 |
| Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:27 | 8/14/24 16:55 | 0:28 | 0.5 | 0.5 | 0.5 |
| Ultra-Low Phosphorus Limits | 8/15/24 7:53 | 8/15/24 8:30 | 0:37 | 0.5 | 0.5 | 0.5 |
| Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:32 | 8/15/24 9:39 | 1:07 | 1.0 | 1.0 | 1.0 |
| Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:38 | 8/15/24 10:15 | 0:36 | 0.5 | 0.5 | 0.5 |

| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:11 | 8/15/24 10:46 | 0:34 | 0.5 | | 0.5 | 0.5 |
|-------------------|--|---------------------|---------------|----------------|-----|-----|-----|-----|
| Obernesser, Megan | Credits Requested: | | Total C | redits Earned | 1.5 | 1.5 | 3.0 | 3.0 |
| | Welcome & Keynote Address | 8/13/24 7:55 | 8/13/24 9:00 | 1:04 | 1.0 | 1.0 | 1.0 | 1.0 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:27 | 8/13/24 14:01 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:31 | 8/14/24 10:00 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:05 | 8/14/24 10:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:28 | 8/14/24 14:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| Odom, Shaunacy | Credits Requested: Wastev | vater | Total (| Credits Earned | 4.5 | 1.5 | 6.0 | 6.0 |
| | Welcome & Keynote Address | 8/13/24 8:02 | 8/13/24 9:00 | 0:57 | 7.0 | 1.0 | 1.0 | 1.0 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:26 | 8/13/24 13:56 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | 8/13/24 14:00 | 8/13/24 14:30 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | Out In The Field Not In A Book | 8/14/24 7:56 | 8/14/24 8:57 | 1:00 | 1.0 | | 1.0 | 1.0 |
| | Water Treatment Regulatory Terms & Definitions | 8/14/24 9:32 | 8/14/24 9:59 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | 21ST Century FOG Management | 8/14/24 13:29 | 8/14/24 13:59 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | IU Permits and Applying the Combined Wastestream Formula | 8/14/24 14:04 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Enforcement Response Plan, Violations, and Significant Non- Compliance | 8/14/24 15:15 | 8/14/24 16:14 | 0:59 | 1.0 | | 1.0 | 1.0 |
| | Transforming Compliance Using Collaborative Technology | 8/14/24 16:26 | 8/14/24 16:57 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Orem, Joanna | Credits Requested: Drinkin | g Water, Wastewater | Total C | redits Earned | 4.5 | 0.5 | 5.0 | 5.0 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:25 | 8/13/24 13:58 | 0:33 | 0.5 | | 0.5 | 0.5 |

| PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:27 | 8/13/24 13:56 | 0:29 | 0.5 | | 0.5 | 0.5 |
|---|--|--|--|----------------------------|----------------------------|--|----------------------------|
| Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:29 | 8/13/24 14:01 | 0:32 | | 0.5 | 0.5 | 0.5 |
| Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 14:02 | 8/13/24 14:28 | 0:26 | 0.5 | | 0.5 | 0.5 |
| Out In The Field Not In A Book | 8/14/24 7:52 | 8/14/24 8:57 | 1:04 | 1.0 | | 1.0 | 1.0 |
| Challenges In The Field | 8/14/24 10:05 | 8/14/24 11:02 | 0:57 | 0.5 | | 0.5 | 0.5 |
| 21ST Century FOG Management | 8/14/24 13:29 | 8/14/24 13:59 | 0:29 | 0.5 | | 0.5 | 0.5 |
| IU Permits and Applying the Combined Wastestream Formula | 8/14/24 14:05 | 8/14/24 14:35 | 0:29 | 0.5 | | 0.5 | 0.5 |
| Sustained 60 MGD? Sure, why not! | 8/15/24 10:13 | 8/15/24 10:46 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | |
| Credits Requested: | | Total C | redits Earned | 2.5 | 2.0 | 4.5 | 4.5 |
| Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:26 | 8/13/24 14:01 | 0:34 | | 0.5 | 0.5 | 0.5 |
| Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:02 | 8/13/24 14:32 | 0:29 | | 0.5 | 0.5 | 0.5 |
| IDEM Update | 8/13/24 15:56 | 8/13/24 16:27 | 0:31 | | 0.5 | 0.5 | 0.5 |
| Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 8:00 | 8/14/24 8:27 | 0:26 | 0.5 | | 0.5 | 0.5 |
| Hydraulic Modeling - What is it good for? | 8/14/24 8:27 | 8/14/24 9:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| Using Al, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:38 | 8/14/24 10:05 | 0:26 | 0.5 | | 0.5 | 0.5 |
| Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:24 | 8/14/24 14:00 | 0:36 | 0.5 | | 0.5 | 0.5 |
| Electrical Safety for Wastewater Operators and Maintenance Personnel | 8/15/24 8:03 | 8/15/24 8:30 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Future of Land Application Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants Out In The Field Not In A Book Challenges In The Field 21ST Century FOG Management IU Permits and Applying the Combined Wastestream Formula Sustained 60 MGD? Sure, why not! Credits Requested: Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis Regional Stormwater Detention Basins — Treating urban runoff outside your project IDEM Update Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer Hydraulic Modeling - What is it good for? Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections Foster Park Relief Sewer — Indian Village CSO 005 Connection Electrical Safety for Wastewater Operators and Maintenance | Future of Land Application Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants Out In The Field Not In A Book All/24 13:29 21ST Century FOG Management U Permits and Applying the Combined Wastestream Formula Sustained 60 MGD? Sure, why not! Credits Requested: Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis Regional Stormwater Detention Basins — Treating urban runoff outside your project IDEM Update Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer Hydraulic Modeling - What is it good for? Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections Foster Park Relief Sewer — Indian Village CSO 005 Connection Electrical Safety for Wastewater Operators and Maintenance 8/15/24 8:03 | Future of Land Application Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants Out In The Field Not in A Book Regional Stormwater Field Regional Sure, why not! Sustained 60 MGD? Sure, why not! Credits Requested: Credits Requested: Credits Requested: Total C Credits Repuested: Formula Regional Stormwater Detention Begional Stormwater Detention Basins — Treating urban runoff outside your project IDEM Update Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer Hydraulic Modeling - What is it good for? Using Al, GIS & Digital Twins to Drive Smarter Sewer — Indian Village CSO 005 Connection Electrical Safety for Wastewater Operators and Maintenance 8/15/24 8:03 8/15/24 8:03 8/15/24 8:03 8/15/24 8:00 8/14/24 13:24 8/14/24 13:24 8/14/24 13:25 8/14/24 13:26 8/13/24 14:32 8/14/24 13:26 8/13/24 14:32 8/14/24 13:26 8/13/24 14:32 8/14/24 13:26 8/13/24 14:32 8/14/24 13:26 8/13/24 14:32 8/14/24 8:07 8/14/24 8 | Future of Land Application | Future of Land Application | Urban Stormwater Retrofit: Case Study of Broad Ripple 8/13/24 13:29 8/13/24 14:01 0:32 0.5 | Future of Land Application |

| | Primary Clarifier Sludge and Scum | 8/15/24 9:08 | 8/15/24 9:40 | 0:31 | 0.5 | | 0.5 | 0.5 |
|---------------|---|---|--|----------------------|-----|-----|-------------------|------------|
| Packard, Kyle | Credits Requested: | | Total C | Credits Earned | 2.0 | 2.0 | 4.0 | 4.0 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:37 | 8/13/24 11:41 | 1:03 | 1.0 | | 1.0 | 1.0 |
| | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks | 8/13/24 13:31 | 8/13/24 13:57 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 14:54 | 8/13/24 15:26 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 15:57 | 8/13/24 16:29 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:32 | 8/14/24 14:00 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:03 | 8/14/24 14:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:17 | 8/14/24 15:55 | 0:38 | | 0.5 | 0.5 | 0.5 |
| Page, Robert | | | | | | | | |
| | Credite Degraceted, DDU- | | Total C | `uadita Fausad | 2.5 | 0.5 | 4.0 | 4.0 |
| | Credits Requested: PDHs | | Total C | Credits Earned | 3.5 | 0.5 | 4.0 | 4.0 |
| | Credits Requested: PDHs Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:36 | Total C 8/13/24 11:41 | 1:05 | 3.5 | 0.5 | 1.0 | 1.0 |
| | Critical Maintenance Techniques | 8/13/24 10:36 8/13/24 13:32 | | | | 0.5 | | |
| | Critical Maintenance Techniques Your Plant may be over looking Eliminating the Spreadsheet Safaris: Crafting Calculation | | 8/13/24 11:41 | 1:05 | | | 1.0 | 1.0 |
| | Critical Maintenance Techniques Your Plant may be over looking Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks Adapt and Overcome: Challenges of Rehabilitating a | 8/13/24 13:32 | 8/13/24 11:41 8/13/24 13:57 | 1:05 | 1.0 | | 0.5 | 0.5 |
| | Critical Maintenance Techniques Your Plant may be over looking Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer Hydraulic Modeling - What is it | 8/13/24 13:32 8/14/24 7:55 | 8/13/24 11:41 8/13/24 13:57 8/14/24 8:22 | 1:05 0:25 0:26 | 0.5 | | 0.5 0.5 | 0.5 |
| | Critical Maintenance Techniques Your Plant may be over looking Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer Hydraulic Modeling - What is it good for? Using Al, GIS & Digital Twins to | 8/13/24 13:32 8/14/24 7:55 8/14/24 8:26 | 8/13/24 11:41 8/13/24 13:57 8/14/24 8:22 8/14/24 9:00 | 0:25 0:26 0:34 | 0.5 | | 1.0 0.5 0.5 | 0.5 0.5 |

| allotta, Catherine | | | | | | | | |
|--------------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | Credits Requested: PDHs | | Total C | redits Earned | 4.0 | 4.0 | 8.0 | 8.0 |
| | Welcome & Keynote Address | 8/13/24 8:02 | 8/13/24 9:00 | 0:57 | | 1.0 | 1.0 | 1.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:36 | 8/13/24 11:10 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:09 | 8/13/24 11:48 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:03 | 8/13/24 14:28 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures | 8/13/24 14:57 | 8/13/24 15:26 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | The Danish story of using low- hanging-fruit to reduce energy, carbon, and resourcesgy and carbon | 8/13/24 15:57 | 8/13/24 16:55 | 0:58 | 1.0 | | 1.0 | 1.0 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:30 | 8/13/24 16:56 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | Rate inequity: are your residents subsidizing the growth in your community? | 8/14/24 9:36 | 8/14/24 10:30 | 0:53 | | 1.0 | 1.0 | 1.0 |
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:30 | 8/14/24 11:03 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:31 | 8/14/24 14:00 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:00 | 8/14/24 14:30 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Indiana Law and Statutes | 8/14/24 15:17 | 8/14/24 16:22 | 1:04 | | 1.0 | 1.0 | 1.0 |
| redes, Ricardo | Credits Requested: | | Total C | redits Earned | 3.0 | 1.5 | 4.5 | 4.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:35 | 8/14/24 9:00 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:34 | 8/14/24 10:00 | 0:25 | 0.5 | | 0.5 | 0.5 |

| | North Interceptor Sewer - Danville, IN | 8/14/24 10:03 | 8/14/24 10:35 | 0:32 | 0.5 | | 0.5 | 0.5 |
|-----------------------|--|---------------|---------------|-------------------|-----|-------------|------|------|
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:31 | 8/14/24 11:03 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:34 | 8/14/24 14:00 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:03 | 8/14/24 14:35 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:17 | 8/14/24 15:55 | 0:37 | | 0.5 | 0.5 | 0.5 |
| | Getting the Next Generation Excited about Wastewater | 8/14/24 15:56 | 8/14/24 16:25 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Enhancing the absorption capacity of GAC to remove PFAS from water | 8/14/24 16:28 | 8/14/24 16:55 | 0:26 | 0.5 | | 0.5 | 0.5 |
| Parikshak, Dharmendra | Constitute Designation de | | T-1-10 | and the France of | 2.0 | 0.0 | 2.0 | 2.0 |
| | Credits Requested: | 0/45/04 7 50 | | redits Earned | 2.0 | 0.0 | 2.0 | 2.0 |
| | Ultra-Low Phosphorus Limits | 8/15/24 7:58 | 8/15/24 8:30 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:36 | 8/15/24 9:06 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:44 | 8/15/24 10:15 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | It's Raining N! The Future of Total Nitrogen Limits | 8/15/24 11:30 | 8/15/24 11:58 | 0:27 | 0.5 | | 0.5 | 0.5 |
| Parker, Vincent | | | T. 1.0 | 1 | 7.0 | <u> С Г</u> | 12.5 | 12.5 |
| | Credits Requested: Waste | 8/13/24 7:58 | 8/13/24 9:00 | redits Earned | 7.0 | 6.5 1.0 | 13.5 | 13.5 |
| | Welcome & Keynote Address Workforce Development | 8/13/24 7:58 | 8/13/24 9:00 | 1:01 | | 1.0 | 1.0 | 1.0 |
| | Roundtable | 0/12/24 10:25 | 0/12/24 11:06 | 0.21 | | 0.5 | 0.5 | 0.5 |
| | Operator Certification Update | 8/13/24 10:35 | 8/13/24 11:06 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap | 8/13/24 11:08 | 8/13/24 11:42 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:18 | 8/13/24 13:59 | 0:40 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:03 | 8/13/24 14:28 | 0:24 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | | |

| Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:54 | 8/13/24 15:27 | 0:32 | 0.5 | | 0.5 | 0.5 |
|--|---|--|--|--|---|---|---|
| Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:52 | 8/13/24 16:55 | 1:02 | 1.0 | | 1.0 | 1.0 |
| Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:49 | 8/14/24 8:26 | 0:36 | 0.5 | | 0.5 | 0.5 |
| Benefits of Big Bubble Mixing | 8/14/24 8:27 | 8/14/24 9:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| Using your data and SCADA for maintenance and savings | 8/14/24 10:04 | 8/14/24 11:00 | 0:56 | | 1.0 | 1.0 | 1.0 |
| Ethics in Engineering | 8/14/24 13:21 | 8/14/24 14:30 | 1:09 | | 1.0 | 1.0 | 1.0 |
| Indiana Law and Statutes | 8/14/24 15:07 | 8/14/24 16:22 | 1:14 | | 1.0 | 1.0 | 1.0 |
| Enhancing the absorption capacity of GAC to remove PFAS from water | 8/14/24 16:26 | 8/14/24 16:55 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | 8/15/24 7:50 | 8/15/24 8:30 | 0:40 | 0.5 | | 0.5 | 0.5 |
| Back to Basics: Review of UV Disinfection | 8/15/24 8:31 | 8/15/24 9:06 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Primary Clarifier Sludge and Scum | 8/15/24 9:07 | 8/15/24 9:40 | 0:32 | 0.5 | | 0.5 | 0.5 |
| Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:42 | 8/15/24 10:15 | 0:33 | 0.5 | | 0.5 | 0.5 |
| Sustained 60 MGD? Sure, why not! | 8/15/24 10:16 | 8/15/24 10:46 | 0:30 | 0.5 | | 0.5 | 0.5 |
| Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:53 | 8/15/24 11:25 | 0:32 | | 0.5 | 0.5 | 0.5 |
| Grit Happens - Sustainable Solutions for Grit Management At WWTPs | 8/15/24 11:21 | 8/15/24 11:55 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | |
| Credits Requested: Wastev | vater | Total C | redits Earned | 8.0 | 0.0 | 8.0 | 8.0 |
| Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:33 | 8/13/24 11:10 | 0:36 | 0.5 | | 0.5 | 0.5 |
| In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:13 | 8/13/24 11:48 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:03 | 8/13/24 14:28 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | What is Required vs. What is Realistic Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits Energy Efficient Retrofits of Oxidation ditches Benefits of Big Bubble Mixing Using your data and SCADA for maintenance and savings Ethics in Engineering Indiana Law and Statutes Enhancing the absorption capacity of GAC to remove PFAS from water Ultra-Low Phosphorus Limits Back to Basics: Review of UV Disinfection Primary Clarifier Sludge and Scum Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges Sustained 60 MGD? Sure, why not! Contrasting Design Considerations: Municipal Vs Industrial WWTPs Grit Happens - Sustainable Solutions for Grit Management At WWTPs Credits Requested: Wastew Conversion of an underutilized combined sewer to a storm sewer In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana Optimizing Final Clarifiers — From Concept to Demonstrated | What is Required vs. What is Realistic Whole Effluent Toxicity (WET) Testing Requirements for 8/13/24 15:52 NPDES Permits Energy Efficient Retrofits of Oxidation ditches Benefits of Big Bubble Mixing 8/14/24 8:27 Using your data and SCADA for maintenance and savings Ethics in Engineering 8/14/24 13:21 Indiana Law and Statutes 8/14/24 15:07 Enhancing the absorption capacity of GAC to remove PFAS from water Ultra-Low Phosphorus Limits 8/15/24 7:50 Back to Basics: Review of UV 8/15/24 8:31 Disinfection Primary Clarifier Sludge and Scum 8/15/24 9:07 Scum 8/15/24 9:07 Keeping Your Clarifiers Happy: Solutions for Variable Flow 8/15/24 10:16 Contrasting Design Considerations: Municipal Vs Industrial WWTPs Grit Happens - Sustainable Solutions for Grit Management 8/15/24 11:21 At WWTPs Credits Requested: Wastewater Conversion of an underutilized combined sewer to a storm 8/13/24 10:33 sewer In Case of Emergency: Keeping 8/13/24 11:13 Stormwater and Traffic Flowing Safely in Indianapolis, Indiana Optimizing Final Clarifiers — From Concept to Demonstrated 8/13/24 14:03 | What is Required vs. What is Realistic Whole Effluent Toxicity (WET) Testing Requirements for 8/13/24 15:52 8/13/24 16:55 NPDES Permits Energy Efficient Retrofits of 8/14/24 7:49 8/14/24 8:26 Oxidation ditches Benefits of Big Bubble Mixing 8/14/24 8:27 8/14/24 9:00 Using your data and SCADA for 8/14/24 10:04 8/14/24 11:00 maintenance and savings Ethics in Engineering 8/14/24 13:21 8/14/24 14:30 Indiana Law and Statutes 8/14/24 15:07 8/14/24 16:22 Enhancing the absorption capacity of GAC to remove PFAS 8/14/24 16:26 8/14/24 16:55 from water Ultra-Low Phosphorus Limits 8/15/24 7:50 8/15/24 8:31 8/15/24 9:06 Disinfection Primary Carifier Sludge and 8/15/24 9:07 8/15/24 9:06 Scum 8/15/24 9:07 8/15/24 9:06 Challenges Sustained 60 MGD? Sure, why not! Contrasting Design Considerations: Municipal Vs Industrial WWTPs Grit Happens - Sustainable Solutions for Grit Management 8/15/24 10:53 8/15/24 11:25 Industrial WWTPs Credits Requested: Wastewater Conversion of an underutilized combined sewer to a storm 8/13/24 11:13 8/13/24 11:10 Sewer In Case of Emergency: Keeping 8/13/24 11:13 8/13/24 11:48 Stormwater and Traffic Flowing Safely in Indianapolis, Indiana Optimizing Final Clarifiers – From Concept to Demonstrated 8/13/24 14:03 8/13/24 14:28 | What is Required vs, What is Realistic Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits Energy Efficient Retrofits of Oxidation ditches Benefits of Big Bubble Mixing Benefits of Big Bubble Mixing S14/24 7:49 By14/24 8:26 Oxidation ditches Benefits of Big Bubble Mixing By14/24 8:27 By14/24 9:00 Oxidation ditches Benefits of Big Bubble Mixing By14/24 8:27 By14/24 9:00 Oxidation ditches Benefits of Big Bubble Mixing By14/24 10:04 By14/24 11:00 Oxide Mixing of Big Bubble Mixing By14/24 10:04 By14/24 11:00 Dxing your data and SCADA for Mixing and Statutes By14/24 13:21 By14/24 14:30 Iting lenging benefits By14/24 15:07 By14/24 16:22 Iting lenging benefits By14/24 16:26 By14/24 16:25 Oxide Common Prass By14/24 16:26 By14/24 16:55 Oxide Common Prass By14/24 16:26 By14/24 16:55 Oxide Common Prass By15/24 8:31 By15/24 9:40 Disinfection By15/24 9:40 Disinfection By15/24 9:40 Disinfection By15/24 9:40 Disinfection Reeping Your Clariffer Sludge and By15/24 9:40 Sylip Sustained 60 MGD? Sure, why not! Contrasting Design Considerations: Municipal Vs Industrial WWTPs Credits Requested: Wastewater Conversion of an underutilized combined sewer to a storm By13/24 10:33 By13/24 11:15 Oxiderations of an underutilized combined sewer to a storm By13/24 10:33 By13/24 11:48 Oxideration Sylip Final Clarifiers Form Concept to Demonstrated By13/24 14:03 By13/24 14:28 Oxideration Sylip Final Clarifiers Form Concept to Demonstrated By13/24 14:03 By13/24 14:28 Dy15 By13/24 14:28 | What is Required vs. What is Realistic Whole Effluent Toxicity (WET) Testing Requirements for | What is Required vs. What is 8/13/24 14:54 8/13/24 15:27 0:32 0.5 | What is Required vs. What is Rolls/24 14:54 8/13/24 15:27 0:32 0.5 0.5 Realstits: Whole Effluent Toucity (WET) Testing Requirements for NPOES Femins Energy Efficient Retrofits of Oxidation dictines Benefits of Big Bubble Mixing 8/14/24 8:27 8/14/24 9:00 0:33 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 |

| | Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures | 8/13/24 14:58 | 8/13/24 15:26 | 0:27 | 0.5 | | 0.5 | 0.5 |
|-------------|--|--|---|----------------------|------|-----|-------------------|-------------------|
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:50 | 8/13/24 15:25 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:52 | 8/13/24 16:55 | 1:02 | 1.0 | | 1.0 | 1.0 |
| | Out In The Field Not In A Book | 8/14/24 7:53 | 8/14/24 8:57 | 1:04 | 1.0 | | 1.0 | 1.0 |
| | Water Treatment Regulatory Terms & Definitions | 8/14/24 9:22 | 8/14/24 9:59 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Challenges In The Field | 8/14/24 10:03 | 8/14/24 10:57 | 0:54 | 1.0 | | 1.0 | 1.0 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:04 | 8/14/24 14:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:33 | 8/15/24 9:06 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:08 | 8/15/24 9:40 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Basics of pH | 8/15/24 9:44 | 8/15/24 10:15 | 0:31 | 0.5 | | 0.5 | 0.5 |
| ırks, Chris | Credits Requested: Wastev | vater | Total C | redits Earned | 12.5 | 2.0 | 14.5 | 14.5 |
| | Welcome & Keynote Address | 8/13/24 8:00 | 0/42/24.0.00 | 0.50 | | | | 4.0 |
| | | 0/ 13/ 24 0.00 | 8/13/24 9:00 | 0:59 | | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:14 | 1:03 | | 1.0 | 1.0 | 1.0 |
| | Workforce Development | | | | 0.5 | | | |
| | Workforce Development Roundtable Conversion of an underutilized combined sewer to a storm | 8/13/24 9:10 | 8/13/24 10:14 | 1:03 | 0.5 | | 1.0 | 1.0 |
| | Workforce Development Roundtable Conversion of an underutilized combined sewer to a storm sewer In Case of Emergency: Keeping Stormwater and Traffic Flowing | 8/13/24 9:10 8/13/24 10:30 | 8/13/24 10:14 8/13/24 11:10 | 1:03 0:39 | | | 0.5 | 0.5 |
| | Workforce Development Roundtable Conversion of an underutilized combined sewer to a storm sewer In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana PFAS Regulations Impact on the | 8/13/24 9:10 8/13/24 10:30 8/13/24 11:06 | 8/13/24 10:14 8/13/24 11:10 8/13/24 11:48 | 1:03 0:39 0:42 | 0.5 | | 1.0 0.5 0.5 | 1.0 0.5 0.5 |

| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:33 | 8/13/24 11:41 | 1:08 | 1.0 | | 1.0 | 1.0 |
|-----------------|---|---------------|--------------------------------|-----------------------|-----|-----|------|------|
| | Welcome & Keynote Address | 8/13/24 8:01 | 8/13/24 9:00 | 0:58 | 0.0 | 1.0 | 1.0 | 1.0 |
| aschal, Ryan S. | Credits Requested: Waster | water | Total C | redits Earned | 6.5 | 3.5 | 10.0 | 10.0 |
| | Credits Requested: Welcome & Keynote Address | 8/13/24 8:05 | Total C 8/13/24 9:00 | redits Earned 0:54 | 0.0 | 1.0 | 1.0 | 1.0 |
| arsley, Chip | | | | | | | | |
| | Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories | 8/15/24 10:57 | 8/15/24 11:55 | 0:57 | 1.0 | | 1.0 | 1.0 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:13 | 8/15/24 10:46 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:38 | 8/15/24 10:15 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:11 | 8/15/24 9:40 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:32 | 8/15/24 9:39 | 1:06 | 1.0 | | 1.0 | 1.0 |
| | Ultra-Low Phosphorus Limits | 8/15/24 7:48 | 8/15/24 8:30 | 0:41 | 0.5 | | 0.5 | 0.5 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:27 | 8/14/24 16:55 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:50 | 8/14/24 16:26 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:14 | 8/14/24 15:55 | 0:41 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:01 | 8/14/24 14:30 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:24 | 8/14/24 14:00 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Challenges In The Field | 8/14/24 10:01 | 8/14/24 10:57 | 0:56 | 1.0 | | 1.0 | 1.0 |
| | Water Treatment Regulatory Terms & Definitions | 8/14/24 9:29 | 8/14/24 9:59 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | NPDES Permits Out In The Field Not In A Book | 8/14/24 7:58 | 8/14/24 8:57 | 0:59 | 1.0 | | 1.0 | 1.0 |
| | Whole Effluent Toxicity (WET) Testing Requirements for | 8/13/24 15:56 | 8/13/24 16:55 | 0:58 | 1.0 | | 1.0 | 1.0 |

| | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks | 8/13/24 13:31 | 8/13/24 13:57 | 0:25 | | 0.5 | 0.5 | 0.5 |
|---------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 14:05 | 8/13/24 14:30 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures | 8/13/24 14:55 | 8/13/24 15:26 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:33 | 8/14/24 10:00 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Challenges In The Field | 8/14/24 10:05 | 8/14/24 10:57 | 0:51 | 1.0 | | 1.0 | 1.0 |
| | 50 Years Later and SND Still Works | 8/14/24 13:36 | 8/14/24 14:01 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | IU Permits and Applying the Combined Wastestream Formula | 8/14/24 14:06 | 8/14/24 14:35 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:13 | 8/14/24 15:55 | 0:42 | | 0.5 | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:58 | 8/14/24 16:26 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Tips for Labs that you may not know | 8/15/24 7:56 | 8/15/24 8:30 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:34 | 8/15/24 9:06 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Flexing Your Procurement Muscle | 8/15/24 9:09 | 8/15/24 9:37 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | City of Kalamazoo's Holistic Approach to Selecting New Process Technologies | 8/15/24 9:45 | 8/15/24 10:50 | 1:05 | | 1.0 | 1.0 | 1.0 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 11:00 | 8/15/24 11:25 | 0:25 | | 0.5 | 0.5 | 0.5 |
| Patankar, Jui | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 0.5 | 1.0 | 1.5 | 1.5 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:35 | 8/13/24 11:10 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | | |

| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:26 | 8/13/24 14:01 | 0:34 | | 0.5 | 0.5 | 0.5 |
|--------------|--|---------------|---------------|----------------|-----|-----|-----|-----|
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:02 | 8/13/24 14:31 | 0:29 | | 0.5 | 0.5 | 0.5 |
| Patel, Hodge | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 0.0 | 1.0 | 1.0 | 1.0 |
| | Operator Certification Update | 8/13/24 10:38 | 8/13/24 11:06 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 16:00 | 8/13/24 16:29 | 0:28 | | 0.5 | 0.5 | 0.5 |
| aul, Stacey | | ., ., | | | | | | |
| | Credits Requested: PDHs | | Total C | redits Earned | 1.5 | 4.0 | 5.5 | 5.5 |
| | Welcome & Keynote Address | 8/13/24 7:51 | 8/13/24 9:00 | 1:09 | | 1.0 | 1.0 | 1.0 |
| | Wercome & Reynote Address Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:14 | 1:03 | | 1.0 | 1.0 | 1.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:42 | 8/13/24 11:10 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:07 | 8/13/24 11:40 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:26 | 8/13/24 14:01 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:02 | 8/13/24 14:31 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 15:01 | 8/13/24 15:25 | 0:23 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:53 | 8/13/24 16:27 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:31 | 8/13/24 16:56 | 0:25 | | 0.5 | 0.5 | 0.5 |
| Payne, Brian | Credits Requested: PDHs | | Total C | Credits Earned | 3.5 | 0.0 | 3.5 | 3.5 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:54 | 8/14/24 8:22 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:24 | 8/14/24 9:00 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | | |

| Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:31 | 8/14/24 10:00 | 0:28 | 0.5 | | 0.5 | 0.5 |
|---|---|---|---|-------------------------|--|--|--|
| North Interceptor Sewer - Danville, IN | 8/14/24 10:02 | 8/14/24 10:35 | 0:33 | 0.5 | | 0.5 | 0.5 |
| Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:28 | 8/14/24 11:05 | 0:37 | 0.5 | | 0.5 | 0.5 |
| Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:30 | 8/14/24 14:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:03 | 8/14/24 14:30 | 0:26 | 0.5 | | 0.5 | 0.5 |
| Credits Requested: PDHs | | Total C | Credits Earned | 2.0 | 4.0 | 6.0 | 6.0 |
| Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:32 | 8/13/24 11:41 | 1:08 | 1.0 | | 1.0 | 1.0 |
| Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:29 | 8/13/24 14:01 | 0:32 | | 0.5 | 0.5 | 0.5 |
| Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:03 | 8/13/24 14:31 | 0:28 | | 0.5 | 0.5 | 0.5 |
| Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:55 | 8/13/24 14:55 | 0:00 | 0.0 | | 0.0 | 0.0 |
| Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:56 | 8/13/24 15:25 | 0:29 | 0.5 | | 0.5 | 0.5 |
| WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:29 | 8/14/24 10:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| Using your data and SCADA for maintenance and savings | 8/14/24 10:04 | 8/14/24 11:00 | 0:55 | | 1.0 | 1.0 | 1.0 |
| Ethics in Engineering | 8/14/24 13:07 | 8/14/24 14:30 | 1:23 | | 1.0 | 1.0 | 1.0 |
| Indiana Law and Statutes | 8/14/24 15:10 | 8/14/24 16:22 | 1:12 | | 1.0 | 1.0 | 1.0 |
| Credits Requested: | | Total C | redits Earned | 1.5 | 0.5 | 2.0 | 2.0 |
| | Drive Smarter Sewer Inspections North Interceptor Sewer - Danville, IN Howard Roosa Sewer - The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer Foster Park Relief Sewer - Indian Village CSO 005 Connection Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana Credits Requested: PDHs Critical Maintenance Techniques Your Plant may be over looking Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis Regional Stormwater Detention Basins - Treating urban runoff outside your project Total Nitrogen Treatment - What is Required vs. What is Realistic Benefits of Partnering to Reduce Inflow and Infiltration WWTP Non-Potable Water Systems - The Neglected Plant Process Using your data and SCADA for maintenance and savings Ethics in Engineering Indiana Law and Statutes | Drive Smarter Sewer Inspections North Interceptor Sewer - Danville, IN Howard Roosa Sewer - The Final Outcome of this Non-Traditional, Flexible Approach to Salvaging an Almost 100-Year-Old Sewer Foster Park Relief Sewer - Indian Village CSO 005 8/14/24 13:30 Connection Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana Credits Requested: PDHs Critical Maintenance Techniques 8/13/24 10:32 Your Plant may be over looking Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis Regional Stormwater Detention 8/13/24 13:29 Avenue in Indianapolis Regional Stormwater Detention 8/13/24 14:03 Basins - Treating urban runoff outside your project Total Nitrogen Treatment - What is Required vs. What is Realistic Benefits of Partnering to Reduce Inflow and Infiltration WWTP Non-Potable Water Systems - The Neglected Plant Process Using your data and SCADA for Maintenance and savings Ethics in Engineering 8/14/24 13:07 Indiana Law and Statutes 8/14/24 15:10 | North Interceptor Sewer - 8/14/24 10:02 8/14/24 10:35 | North Interceptor Sewer | North Interceptor Sewer - Danville, IN | Drive Smarter Sewer Inspections North Interceptor Sewer - Damille, IN North Interceptor Sewer - Damille, IN North Interceptor Sewer - Damille, IN North Interceptor Sewer - The Final Outcome of this Non-Traditional, Flexible Approach to Salvaging an Almost 100-Year-Old Sewer - The Final Outcome of this Non-Traditional, Flexible Approach to Salvaging an Almost 100-Year-Old Sewer - Indian Village CSQ 005 | Drive Smarter Sewer Inspections North Interceptor Sewer - 8/14/24 10:02 8/14/24 10:35 0:33 0.5 0.5 |

| Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:34 | 8/13/24 11:10 | 0:35 | 0.5 | | 0.5 | 0.5 |
|--|---|---|---|--|--|--|---------------------------|
| In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:10 | 8/13/24 11:49 | 0:38 | 0.5 | | 0.5 | 0.5 |
| Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:24 | 8/13/24 13:59 | 0:34 | 0.5 | | 0.5 | 0.5 |
| Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:03 | 8/13/24 14:31 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | | | | | | | |
| Credits Requested: | | Total C | redits Earned | 0.0 | 1.0 | 1.0 | 1.0 |
| Water and Wastewater Workforce Development – Is your community ready for the challenge? | 8/14/24 13:30 | 8/14/24 14:30 | 1:00 | | 1.0 | 1.0 | 1.0 |
| | | | | | | | |
| Credits Requested: | | Total C | radits Farnad | 3.5 | 1.5 | 5.0 | 5.0 |
| C. Carto requestear | | i otai c | realts Larried | 0.0 | 1.0 | 5.0 | 5.0 |
| Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:40 | 8/13/24 11:10 | 0:29 | 0.5 | 1.0 | 0.5 | 0.5 |
| Conversion of an underutilized combined sewer to a storm | 8/13/24 10:40 8/13/24 11:12 | | | | | | |
| Conversion of an underutilized combined sewer to a storm sewer In Case of Emergency: Keeping Stormwater and Traffic Flowing | | 8/13/24 11:10 | 0:29 | 0.5 | 0.5 | 0.5 | 0.5 |
| Conversion of an underutilized combined sewer to a storm sewer In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana Grit Happens: Conquering Startup Challenges during a | 8/13/24 11:12 | 8/13/24 11:10 8/13/24 11:49 | 0:29 | 0.5 | | 0.5 | 0.5 |
| Conversion of an underutilized combined sewer to a storm sewer In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana Grit Happens: Conquering Startup Challenges during a WWTP Upgrade Using Al, GIS & Digital Twins to | 8/13/24 11:12 8/13/24 15:01 | 8/13/24 11:10 8/13/24 11:49 8/13/24 15:26 | 0:29 0:36 0:25 | 0.5 | | 0.5 0.5 | 0.5 0.5 |
| Conversion of an underutilized combined sewer to a storm sewer In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana Grit Happens: Conquering Startup Challenges during a WWTP Upgrade Using Al, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/13/24 11:12 8/13/24 15:01 8/14/24 9:24 | 8/13/24 11:10 8/13/24 11:49 8/13/24 15:26 8/14/24 10:00 | 0:29 0:36 0:25 0:35 | 0.5 | | 0.5 0.5 0.5 | 0.5 0.5 0.5 |
| Conversion of an underutilized combined sewer to a storm sewer In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana Grit Happens: Conquering Startup Challenges during a WWTP Upgrade Using Al, GIS & Digital Twins to Drive Smarter Sewer Inspections Challenges In The Field | 8/13/24 11:12 8/13/24 15:01 8/14/24 9:24 8/14/24 10:04 | 8/13/24 11:10 8/13/24 11:49 8/13/24 15:26 8/14/24 10:00 8/14/24 10:57 | 0:29 0:36 0:25 0:35 | 0.5 0.5 0.5 | | 0.5 0.5 0.5 0.5 | 0.5 0.5 0.5 1.0 |
| | combined sewer to a storm sewer In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities Regional Stormwater Detention Basins – Treating urban runoff outside your project Credits Requested: Water and Wastewater Workforce Development – Is your community ready for the | combined sewer to a storm sewer In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities Regional Stormwater Detention Basins – Treating urban runoff outside your project Credits Requested: Water and Wastewater Workforce Development – Is your community ready for the challenge? | combined sewer to a storm sewer In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities Regional Stormwater Detention Basins – Treating urban runoff outside your project Credits Requested: Water and Wastewater Workforce Development – Is your community ready for the challenge? | combined sewer to a storm sewer In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities Regional Stormwater Detention Basins – Treating urban runoff outside your project Credits Requested: Total Credits Earned Water and Wastewater Workforce Development – Is your community ready for the challenge? | combined sewer to a storm sewer In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities Regional Stormwater Detention Basins – Treating urban runoff outside your project Credits Requested: Water and Wastewater Workforce Development – Is your community ready for the challenge? 8/13/24 10:34 8/13/24 11:10 8/13/24 11:49 0:38 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 | combined sewer to a storm sewer In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities Regional Stormwater Detention Basins – Treating urban runoff outside your project Credits Requested: Total Credits Earned 0.0 1.0 1.0 1.0 1.0 1.0 1.0 | Combined sewer to a storm |

| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:52 | 8/15/24 11:25 | 0:33 | | 0.5 | 0.5 | 0.5 |
|--------------------|--|---------------|---------------|----------------|-----|-----|------|------|
| Pierce, Matthew | Credits Requested: | | Total C | redits Earned | 1.0 | 1.0 | 2.0 | 2.0 |
| | Optimizing Final Clarifiers — From Concept to Demonstrated Performance | 8/13/24 14:03 | 8/13/24 14:28 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:54 | 8/13/24 15:27 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:56 | 8/13/24 16:27 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:31 | 8/13/24 16:56 | 0:25 | | 0.5 | 0.5 | 0.5 |
| Pierson, Justin | Credits Requested: | | Total C | Credits Earned | 2.0 | 1.0 | 3.0 | 3.0 |
| | Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility | 8/15/24 7:50 | 8/15/24 8:30 | 0:40 | | 0.5 | 0.5 | 0.5 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:33 | 8/15/24 9:39 | 1:05 | 1.0 | | 1.0 | 1.0 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:53 | 8/15/24 11:25 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens - Sustainable Solutions for Grit Management At WWTPs | 8/15/24 11:31 | 8/15/24 11:56 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | It's Raining N! The Future of Total Nitrogen Limits | 8/15/24 11:33 | 8/15/24 11:58 | 0:25 | 0.5 | | 0.5 | 0.5 |
| Pinkerton, Patrick | | | | | | | | |
| | Credits Requested: Waste | | | redits Earned | 4.5 | 7.5 | 12.0 | 12.0 |
| | Welcome & Keynote Address | 8/13/24 7:51 | 8/13/24 9:00 | 1:09 | | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:14 | 1:03 | | 1.0 | 1.0 | 1.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:35 | 8/13/24 11:10 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap | 8/13/24 11:13 | 8/13/24 11:42 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:28 | 8/13/24 13:56 | 0:28 | 0.5 | | 0.5 | 0.5 |

| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:03 | 8/13/24 14:31 | 0:28 | | 0.5 | 0.5 | 0.5 |
|---------------|--|---------------|---------------|----------------|-----|-----|-----|-----|
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:58 | 8/13/24 15:25 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:56 | 8/13/24 16:27 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:57 | 8/14/24 8:22 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:26 | 8/14/24 9:00 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:31 | 8/14/24 10:00 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:02 | 8/14/24 10:35 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Ethics in Engineering | 8/14/24 13:22 | 8/14/24 14:30 | 1:08 | | 1.0 | 1.0 | 1.0 |
| | Indiana Law and Statutes | 8/14/24 15:18 | 8/14/24 16:22 | 1:03 | | 1.0 | 1.0 | 1.0 |
| | Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility | 8/15/24 7:54 | 8/15/24 8:30 | 0:36 | | 0.5 | 0.5 | 0.5 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:32 | 8/15/24 9:06 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:08 | 8/15/24 9:40 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | City of Kalamazoo's Holistic Approach to Selecting New Process Technologies | 8/15/24 9:44 | 8/15/24 10:50 | 1:06 | | 1.0 | 1.0 | 1.0 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:57 | 8/15/24 11:25 | 0:28 | | 0.5 | 0.5 | 0.5 |
| czekay, Jamie | Coodite Descripted. | | Tatal | andite Fermand | 1 5 | 1.0 | 5.5 | 5.5 |
| | Credits Requested: | | lotaiC | redits Earned | 4.5 | 1.0 | 5.5 | 5.5 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:42 | 8/13/24 11:10 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | 8/13/24 14:02 | 8/13/24 14:30 | 0:28 | | 0.5 | 0.5 | 0.5 |

| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 15:00 | 8/13/24 15:26 | 0:26 | | 0.5 | 0.5 | 0.5 |
|------------|---|---------------|---------------|---------------|-----|-----|------|------|
| | Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:53 | 8/13/24 16:55 | 1:01 | 1.0 | | 1.0 | 1.0 |
| | Using Al, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:33 | 8/14/24 10:00 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:27 | 8/14/24 11:05 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:38 | 8/14/24 14:04 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:01 | 8/14/24 14:30 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:21 | 8/14/24 15:55 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:53 | 8/14/24 16:26 | 0:32 | 0.5 | | 0.5 | 0.5 |
| Ponx, Alex | | | | <u> </u> | 1.0 | | | |
| | Credits Requested: | | | redits Earned | 4.0 | 6.0 | 10.0 | 10.0 |
| | Welcome & Keynote Address | 8/13/24 7:47 | 8/13/24 9:00 | 1:13 | | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:14 | 1:03 | | 1.0 | 1.0 | 1.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:37 | 8/13/24 11:10 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks | 8/13/24 13:23 | 8/13/24 13:53 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 14:58 | 8/13/24 15:27 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 15:56 | 8/13/24 16:29 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | Forecasting Urban Water Escherichia coli Contamination Using Machine Learning Models | 8/13/24 16:26 | 8/13/24 17:00 | 0:34 | | 0.5 | 0.5 | 0.5 |

| | Mastering the Art of Master Planning | 8/14/24 7:58 | 8/14/24 9:00 | 1:02 | 1.0 | | 1.0 | 1.0 |
|--------------|--|---------------|---------------|---------------|-----|-----|-----|-----|
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:29 | 8/14/24 10:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:27 | 8/14/24 14:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:05 | 8/14/24 14:32 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:15 | 8/14/24 15:55 | 0:39 | | 0.5 | 0.5 | 0.5 |
| | Enhancing the absorption capacity of GAC to remove PFAS from water | 8/14/24 16:29 | 8/14/24 16:55 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility | 8/15/24 7:50 | 8/15/24 8:30 | 0:40 | | 0.5 | 0.5 | 0.5 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:28 | 8/15/24 9:06 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | City of Kalamazoo's Holistic Approach to Selecting New Process Technologies | 8/15/24 9:38 | 8/15/24 10:50 | 1:12 | | 1.0 | 1.0 | 1.0 |
| Porter, Bill | 0 12 0 1 1 200 | | - | | 4 - | 0.5 | 2.0 | 2.0 |
| | Credits Requested: PDHs Biosolids: Fail to Plan; Plan to | 8/13/24 10:37 | 8/13/24 11:41 | 1:03 | 1.5 | 0.5 | 1.0 | 1.0 |
| | Fail PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:28 | 8/13/24 13:56 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | 8/13/24 13:58 | 8/13/24 14:30 | 0:32 | | 0.5 | 0.5 | 0.5 |
| Portz, James | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 4.5 | 3.0 | 7.5 | 7.5 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:40 | 8/13/24 11:10 | 0:29 | 0.5 | | 0.5 | 0.5 |

| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:09 | 8/13/24 11:49 | 0:39 | 0.5 | | 0.5 | 0.5 |
|---------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks | 8/13/24 13:31 | 8/13/24 13:57 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:01 | 8/13/24 14:28 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 15:01 | 8/13/24 15:27 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 15:48 | 8/13/24 16:29 | 0:40 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:31 | 8/13/24 16:57 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | 21ST Century FOG Management | 8/14/24 13:33 | 8/14/24 13:59 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:05 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Indiana Law and Statutes | 8/14/24 15:33 | 8/14/24 16:23 | 0:50 | | 1.0 | 1.0 | 1.0 |
| | Enhancing the absorption capacity of GAC to remove PFAS from water | 8/14/24 16:30 | 8/14/24 16:56 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | A case for better lab results | 8/15/24 10:17 | 8/15/24 10:47 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories | 8/15/24 11:01 | 8/15/24 11:55 | 0:54 | 1.0 | | 1.0 | 1.0 |
| Powell, James | Condita Deconate de | | Total C | wadita Famaad | F 0 | 2.5 | 7.5 | 7.5 |
| | Credits Requested: | | | redits Earned | 5.0 | 2.5 | 7.5 | |
| | Welcome & Keynote Address | 8/13/24 7:47 | 8/13/24 9:00 | 1:12 | | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:14 | 1:03 | | 1.0 | 1.0 | 1.0 |
| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:33 | 8/13/24 11:41 | 1:07 | 1.0 | | 1.0 | 1.0 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:30 | 8/13/24 13:56 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 13:59 | 8/13/24 14:26 | 0:27 | 0.5 | | 0.5 | 0.5 |

| | IDEM Update | 8/13/24 15:53 | 8/13/24 16:27 | 0:33 | | 0.5 | 0.5 | 0.5 | | | |
|----------------|---|---------------|---------------|---------------|-----|-----|-----|-----|--|--|--|
| | Mastering the Art of Master Planning | 8/14/24 7:55 | 8/14/24 9:00 | 1:05 | 1.0 | | 1.0 | 1.0 | | | |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:29 | 8/14/24 10:00 | 0:30 | 0.5 | | 0.5 | 0.5 | | | |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:03 | 8/14/24 10:35 | 0:31 | 0.5 | | 0.5 | 0.5 | | | |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:29 | 8/14/24 11:05 | 0:36 | 0.5 | | 0.5 | 0.5 | | | |
| | IU Permits and Applying the Combined Wastestream Formula | 8/14/24 14:04 | 8/14/24 14:35 | 0:31 | 0.5 | | 0.5 | 0.5 | | | |
| wers, Jake | | | | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 0.0 | 0.5 | 0.5 | 0.5 | | | |
| | Emergency Preparedness and Procedures | 8/15/24 8:33 | 8/15/24 9:10 | 0:36 | | 0.5 | 0.5 | 0.5 | | | |
| ange, Lawrence | | | | | | | | | | | |
| | Credits Requested: Wastev | vater | Total C | redits Earned | 3.0 | 0.0 | 3.0 | 3.0 | | | |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:31 | 8/13/24 11:41 | 1:10 | 1.0 | | 1.0 | 1.0 | | | |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:18 | 8/13/24 13:59 | 0:40 | 0.5 | | 0.5 | 0.5 | | | |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:00 | 8/13/24 14:29 | 0:28 | 0.5 | | 0.5 | 0.5 | | | |
| | Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:56 | 8/14/24 8:26 | 0:29 | 0.5 | | 0.5 | 0.5 | | | |
| | Benefits of Big Bubble Mixing | 8/14/24 8:27 | 8/14/24 9:00 | 0:32 | 0.5 | | 0.5 | 0.5 | | | |
| ratt, Tristin | Credits Requested: | | Total C | redits Earned | 2.0 | 1.0 | 3.0 | 3.0 | | | |
| | Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:56 | 8/14/24 8:26 | 0:29 | 0.5 | | 0.5 | 0.5 | | | |
| | Benefits of Big Bubble Mixing | 8/14/24 8:30 | 8/14/24 9:00 | 0:29 | 0.5 | | 0.5 | 0.5 | | | |
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:04 | 8/14/24 11:00 | 0:55 | | 1.0 | 1.0 | 1.0 | | | |
| | | | | | | | | | | | |

| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:04 | 8/14/24 14:30 | 0:25 | 0.5 | | 0.5 | 0.5 |
|-------------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| Price, Brian | Credits Requested: | | Total C | redits Earned | 1.5 | 0.5 | 2.0 | 2.0 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:33 | 8/15/24 9:39 | 1:05 | 1.0 | | 1.0 | 1.0 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 11:00 | 8/15/24 11:25 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | It's Raining N! The Future of Total Nitrogen Limits | 8/15/24 11:31 | 8/15/24 11:56 | 0:25 | 0.5 | | 0.5 | 0.5 |
| Query, Jon | Credits Requested: | | Total C | redits Earned | 2.0 | 3.0 | 5.0 | 5.0 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:59 | 8/13/24 15:27 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:58 | 8/13/24 16:27 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:31 | 8/13/24 16:57 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:04 | 8/14/24 10:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:26 | 8/14/24 11:05 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Ethics in Engineering | 8/14/24 13:30 | 8/14/24 14:30 | 1:00 | | 1.0 | 1.0 | 1.0 |
| | Indiana Law and Statutes | 8/14/24 15:17 | 8/14/24 16:22 | 1:05 | | 1.0 | 1.0 | 1.0 |
| | Enhancing the absorption capacity of GAC to remove PFAS from water | 8/14/24 16:24 | 8/14/24 16:55 | 0:30 | 0.5 | | 0.5 | 0.5 |
| Radcliff, Richard | Credits Requested: | | Total C | redits Earned | 3.5 | 2.0 | 5.5 | 5.5 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:29 | 8/13/24 13:56 | 0:27 | 0.5 | 2.0 | 0.5 | 0.5 |
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 15:03 | 8/13/24 15:27 | 0:23 | | 0.5 | 0.5 | 0.5 |
| | The Danish story of using low- hanging-fruit to reduce energy, carbon, and resourcesgy and carbon | 8/13/24 15:56 | 8/13/24 16:55 | 0:59 | 1.0 | | 1.0 | 1.0 |

| Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | | | | | | | | | |
|--|-----|----------------------------------|---------------|---------------|---------------|-----|-----|-----|-----|
| Regionalization: A Strategic Approach for Success | | | 8/14/24 9:29 | 8/14/24 10:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| Rehab Spanish Spanis | | Regionalization: A Strategic | 8/14/24 10:34 | 8/14/24 11:03 | 0:29 | | 0.5 | 0.5 | 0.5 |
| Capacity of GAC to remove PFAS 8/14/24 16:30 8/14/24 16:56 0.25 0.5 0.5 | | , , | 8/14/24 15:14 | 8/14/24 15:55 | 0:41 | 0.5 | | 0.5 | 0.5 |
| Disinfection | | capacity of GAC to remove PFAS | 8/14/24 16:30 | 8/14/24 16:56 | 0:25 | 0.5 | | 0.5 | 0.5 |
| Aproach to Selecting New Process Technologies Credits Requested: Total Credits Earned | | | 8/15/24 8:38 | 8/15/24 9:06 | 0:27 | 0.5 | | 0.5 | 0.5 |
| Credits Requested: Total Credits Earned 1.5 0.0 1.5 | | Approach to Selecting New | 8/15/24 9:48 | 8/15/24 10:50 | 1:02 | | 1.0 | 1.0 | 1.0 |
| Biosolids: Fail to Plan; Plan to Fail | say | Credits Requested: | | Total C | redits Farned | 1.5 | 0.0 | 1.5 | 1.5 |
| Terms & Definitions Credits Requested: Wastewater Total Credits Earned 6.0 1.5 7.5 | | Biosolids: Fail to Plan; Plan to | 8/13/24 10:45 | | | | 0.0 | | 1.0 |
| Credits Requested: Wastewater Start Credits Earned 6.0 1.5 7.5 | | Water Treatment Regulatory | 8/14/24 9:30 | 8/14/24 10:00 | 0:29 | 0.5 | | 0.5 | 0.5 |
| Critical Maintenance Techniques Your Plant may be over looking Peracetic Acid for Wastewater Disinfection & The Benefits to 8/13/24 13:23 8/13/24 13:59 0:35 0.5 0.5 Large and Small Utilities Optimizing Final Clarifiers — From Concept to Demonstrated 8/13/24 14:03 8/13/24 14:29 0:25 0.5 0.5 Performance Whole Effluent Toxicity (WET) Testing Requirements for 8/13/24 15:56 8/13/24 16:55 0:58 1.0 1.0 | .w | | | | | | | | |
| Your Plant may be over looking Peracetic Acid for Wastewater Disinfection & The Benefits to | | Credits Requested: Wastew | ater | Total C | redits Earned | 6.0 | 1.5 | 7.5 | 7.5 |
| Disinfection & The Benefits to 8/13/24 13:23 8/13/24 13:59 0:35 0.5 0.5 | | · | 8/13/24 10:36 | 8/13/24 11:41 | 1:05 | 1.0 | | 1.0 | 1.0 |
| From Concept to Demonstrated 8/13/24 14:03 8/13/24 14:29 0:25 0.5 0.5 Performance Whole Effluent Toxicity (WET) Testing Requirements for 8/13/24 15:56 8/13/24 16:55 0:58 1.0 1.0 | | Disinfection & The Benefits to | 8/13/24 13:23 | 8/13/24 13:59 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Testing Requirements for 8/13/24 15:56 8/13/24 16:55 0:58 1.0 1.0 | | From Concept to Demonstrated | 8/13/24 14:03 | 8/13/24 14:29 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | | Testing Requirements for | 8/13/24 15:56 | 8/13/24 16:55 | 0:58 | 1.0 | | 1.0 | 1.0 |
| Benefits of Big Bubble Mixing 8/14/24 8:27 8/14/24 9:00 0:32 0.5 0.5 | | Benefits of Big Bubble Mixing | 8/14/24 8:27 | 8/14/24 9:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| WWTP Non-Potable Water Systems – The Neglected Plant 8/14/24 9:25 8/14/24 10:00 0:35 0.5 0.5 Process | | | 8/14/24 9:25 | 8/14/24 10:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| North Interceptor Sewer - 8/14/24 10:05 8/14/24 10:35 0:30 0.5 0.5 Danville, IN | | Process | | | | | | | |

| Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:33 | 8/14/24 11:05 | 0:31 | 0.5 | | 0.5 | 0.5 |
|---|---|---|--|--|--|----------------------------|----------------------------|
| Wastewater Challenge Demonstration | 8/14/24 16:29 | 8/14/24 16:55 | 0:26 | | 0.5 | 0.5 | 0.5 |
| Electrical Safety for Wastewater Operators and Maintenance Personnel | 8/15/24 7:56 | 8/15/24 8:30 | 0:34 | | 0.5 | 0.5 | 0.5 |
| Emergency Preparedness and Procedures | 8/15/24 8:32 | 8/15/24 9:10 | 0:37 | | 0.5 | 0.5 | 0.5 |
| Basics of pH | 8/15/24 9:44 | 8/15/24 10:15 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Sustained 60 MGD? Sure, why not! | 8/15/24 10:16 | 8/15/24 10:46 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | |
| Credits Requested: | | Total C | redits Earned | 4.5 | 0.5 | 5.0 | 5.0 |
| Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:50 | 8/14/24 8:26 | 0:36 | 0.5 | | 0.5 | 0.5 |
| Benefits of Big Bubble Mixing | 8/14/24 8:28 | 8/14/24 9:00 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:33 | 8/14/24 10:00 | 0:27 | 0.5 | | 0.5 | 0.5 |
| Challenges In The Field | 8/14/24 10:03 | 8/14/24 10:57 | 0:54 | 1.0 | | 1.0 | 1.0 |
| 50 Years Later and SND Still Works | 8/14/24 13:30 | 8/14/24 14:01 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:05 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:15 | 8/14/24 15:55 | 0:39 | | 0.5 | 0.5 | 0.5 |
| Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:57 | 8/14/24 16:26 | 0:28 | 0.5 | | 0.5 | 0.5 |
| Enhancing the absorption capacity of GAC to remove PFAS from water | 8/14/24 16:30 | 8/14/24 16:56 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | |
| Credits Requested: PDHs | | Total C | redits Earned | 0.5 | 6.0 | 6.5 | 6.5 |
| Welcome & Keynote Address | 8/13/24 8:09 | 8/13/24 9:00 | 0:50 | | 1.0 | 1.0 | 1.0 |
| Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:35 | 8/13/24 11:10 | 0:34 | 0.5 | | 0.5 | 0.5 |
| Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap | 8/13/24 11:10 | 8/13/24 11:42 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer Wastewater Challenge Demonstration Electrical Safety for Wastewater Operators and Maintenance Personnel Emergency Preparedness and Procedures Basics of pH Sustained 60 MGD? Sure, why not! Credits Requested: Energy Efficient Retrofits of Oxidation ditches Benefits of Big Bubble Mixing Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections Challenges In The Field 50 Years Later and SND Still Works Requirements vs. Reality - Design Capacity Compared to Real World Observations A Gen Z Perspective on the Wastewater Industry Use of Pipe Storage System for Sustainable CSO Reduction Enhancing the absorption capacity of GAC to remove PFAS from water Credits Requested: PDHs Welcome & Keynote Address Conversion of an underutilized combined sewer to a storm sewer Advancing Better Water Policy and Strategies: The Indiana | Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer Wastewater Challenge Demonstration Electrical Safety for Wastewater Operators and Maintenance Personnel Emergency Preparedness and Procedures Basics of pH Sutsianed 60 MGD? Sure, why not! Credits Requested: Energy Efficient Retrofits of Oxidation ditches Benefits of Big Bubble Mixing Wish Al, GIS & Digital Twins to Drive Smarter Sewer Inspections Challenges In The Field Sures Later and SND Still Works Requirements vs. Reality - Design Capacity Compared to Real World Observations A Gen Z Perspective on the Wastewater Industry Use of Pipe Storage System for Sustainable CSO Reduction Enhancing the absorption capacity of GAC to remove PFAS from water Credits Requested: PDHs Welcome & Keynote Address 8/13/24 10:35 Sewer Advancing Better Water Policy and Strategies: The Indiana 8/13/24 11:10 | Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer Wastewater Challenge | Final Outcome of this Non-Traditional, Flexible Approach to Salvaging an Almost 100-Year-Old Sewer | Final Outcome of this Non-Traditional, Flexible Approach to Salvaging an Almost 100-Year-Old Sewer | Final Outcome of this Non- | Final Dutcome of this Non- |

| | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks | 8/13/24 13:27 | 8/13/24 13:53 | 0:26 | | 0.5 | 0.5 | 0.5 |
|--------------|--|---------------------|---------------|---------------|------|-----|------|------|
| | Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | 8/13/24 13:59 | 8/13/24 14:31 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 15:00 | 8/13/24 15:28 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 15:56 | 8/13/24 16:29 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | Ethics in Engineering | 8/14/24 13:34 | 8/14/24 14:30 | 0:56 | | 1.0 | 1.0 | 1.0 |
| | Indiana Law and Statutes | 8/14/24 15:27 | 8/14/24 16:22 | 0:54 | | 1.0 | 1.0 | 1.0 |
| | Leading Change | 8/14/24 16:29 | 8/14/24 16:58 | 0:29 | | 0.5 | 0.5 | 0.5 |
| Reese, Micky | | | | | | | | |
| | Credits Requested: Drinkin | g Water, Wastewater | Total C | redits Earned | 11.0 | 1.0 | 12.0 | 12.0 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:40 | 8/13/24 11:41 | 1:01 | 1.0 | | 1.0 | 1.0 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:25 | 8/13/24 13:59 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:04 | 8/13/24 14:29 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:54 | 8/13/24 15:27 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:54 | 8/13/24 16:27 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | Forecasting Urban Water Escherichia coli Contamination Using Machine Learning Models | 8/13/24 16:31 | 8/13/24 17:00 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Out In The Field Not In A Book | 8/14/24 8:02 | 8/14/24 8:57 | 0:55 | 1.0 | | 1.0 | 1.0 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:31 | 8/14/24 10:00 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:06 | 8/14/24 10:35 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Challenges In The Field | 8/14/24 10:07 | 8/14/24 10:58 | 0:50 | 1.0 | | 1.0 | 1.0 |
| | 21ST Century FOG Management | 8/14/24 13:29 | 8/14/24 13:59 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | IU Permits and Applying the Combined Wastestream Formula | 8/14/24 14:06 | 8/14/24 14:35 | 0:28 | 0.5 | | 0.5 | 0.5 |

| | Enforcement Response Plan, Violations, and Significant Non- Compliance | 8/14/24 15:23 | 8/14/24 16:15 | 0:51 | 1.0 | | 1.0 | 1.0 |
|-------------------|--|---|--|---------------------------------------|-------------------|-----|--------------------------|-------------------|
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:28 | 8/14/24 16:55 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:32 | 8/15/24 9:06 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Flexing Your Procurement Muscle | 8/15/24 9:12 | 8/15/24 9:37 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:45 | 8/15/24 10:15 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:19 | 8/15/24 10:46 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories | 8/15/24 10:59 | 8/15/24 11:55 | 0:55 | 1.0 | | 1.0 | 1.0 |
| Reeves, Calvin | Credits Requested: | | Total C | redits Earned | 1.5 | 0.0 | 1.5 | 1.5 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:33 | 8/15/24 9:39 | 1:05 | 1.0 | 0.0 | 1.0 | 1.0 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:39 | 8/15/24 10:15 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Retherford, Brook | Credits Requested: | | Total C | redits Earned | 0.5 | 0.0 | 0.5 | 0.5 |
| | Creaits Requested: | | | renits Farnen | 0.5 | 0.0 | 0.5 | 0.5 |
| | · | | Total C | realts Earlied | | | | |
| | Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures | 8/13/24 14:54 | 8/13/24 15:26 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Rexing, John | Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures | 8/13/24 14:54 | 8/13/24 15:26 | 0:31 | | 3.0 | 0.5 | |
| Rexing, John | Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum | 8/13/24 14:54 8/14/24 8:26 | 8/13/24 15:26 | | 0.5 2.0 0.5 | 3.0 | | 0.5 5.0 0.5 |
| Rexing, John | Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures Credits Requested: Hydraulic Modeling - What is it | | 8/13/24 15:26 Total C | 0:31 redits Earned | 2.0 | 3.0 | 5.0 | 5.0 |
| Rexing, John | Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures Credits Requested: Hydraulic Modeling - What is it good for? Using AI, GIS & Digital Twins to | 8/14/24 8:26 | 8/13/24 15:26 Total C 8/14/24 9:00 | 0:31 redits Earned 0:34 | 2.0 | 3.0 | 0.5 5.0 0.5 | 5.0 |
| Rexing, John | Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures Credits Requested: Hydraulic Modeling - What is it good for? Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections North Interceptor Sewer - | 8/14/24 8:26 8/14/24 9:32 | 8/13/24 15:26 Total C 8/14/24 9:00 8/14/24 10:00 | 0:31 redits Earned 0:34 0:27 | 2.0 0.5 | 3.0 | 0.5 5.0 0.5 0.5 | 5.0 0.5 0.5 |
| Rexing, John | Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures Credits Requested: Hydraulic Modeling - What is it good for? Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections North Interceptor Sewer - Danville, IN Using your data and SCADA for | 8/14/24 8:26 8/14/24 9:32 8/14/24 10:03 | 8/13/24 15:26 Total C 8/14/24 9:00 8/14/24 10:00 8/14/24 10:35 | 0:31 redits Earned 0:34 0:27 0:31 | 2.0 0.5 | | 0.5 5.0 0.5 0.5 | 5.0 0.5 0.5 |

| Rickard, Amanda | Enhancing the absorption capacity of GAC to remove PFAS from water | 8/14/24 16:24 | 8/14/24 16:55 | 0:30 | 0.5 | | 0.5 | 0.5 |
|-------------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| Aickaru, Airianua | Credits Requested: PDHs | | Total C | redits Earned | 1.5 | 4.0 | 5.5 | 5.5 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:20 | 8/13/24 13:56 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 13:59 | 8/13/24 14:26 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 14:56 | 8/13/24 15:26 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:53 | 8/13/24 16:27 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:31 | 8/13/24 16:57 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Ethics in Engineering | 8/14/24 13:34 | 8/14/24 14:30 | 0:56 | | 1.0 | 1.0 | 1.0 |
| | Indiana Law and Statutes | 8/14/24 15:18 | 8/14/24 16:22 | 1:04 | | 1.0 | 1.0 | 1.0 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:59 | 8/15/24 11:25 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens - Sustainable Solutions for Grit Management At WWTPs | 8/15/24 11:26 | 8/15/24 11:55 | 0:29 | 0.5 | | 0.5 | 0.5 |
| igdon, John | Credits Requested: Waster | vater | Total C | redits Earned | 2.0 | 0.5 | 2.5 | 2.5 |
| | know | 8/15/24 7:55 | 8/15/24 8:30 | 0:35 | 0.5 | 0.0 | 0.5 | 0.5 |
| | IWEA WASTEWATER LABORATORY ANALYST CERTIFICATION | 8/15/24 8:36 | 8/15/24 9:01 | 0:25 | 0.0 | 0.5 | 0.5 | 0.5 |
| | Flexing Your Procurement Muscle | 8/15/24 9:07 | 8/15/24 9:37 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Basics of pH | 8/15/24 9:46 | 8/15/24 10:15 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | A case for better lab results | 8/15/24 10:17 | 8/15/24 10:47 | 0:29 | 0.5 | | 0.5 | 0.5 |
| iggs, Monique | Credits Requested: | | Total C | redits Earned | 0.0 | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:15 | 1:04 | 0.0 | 1.0 | 1.0 | 1.0 |
| | | | | | | | | |

| In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:13 | 8/13/24 11:49 | 0:35 | 0.5 | | 0.5 | 0.5 |
|---|---------------|---------------|------|-----|-----|-----|-----|
| Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:31 | 8/13/24 14:01 | 0:29 | | 0.5 | 0.5 | 0.5 |
| Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 14:01 | 8/13/24 14:28 | 0:27 | 0.5 | | 0.5 | 0.5 |
| Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 15:02 | 8/13/24 15:27 | 0:25 | 0.5 | | 0.5 | 0.5 |
| Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:55 | 8/13/24 16:55 | 0:59 | 1.0 | | 1.0 | 1.0 |
| Out In The Field Not In A Book | 8/14/24 8:00 | 8/14/24 8:57 | 0:56 | 1.0 | | 1.0 | 1.0 |
| Water Treatment Regulatory Terms & Definitions | 8/14/24 9:27 | 8/14/24 10:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| Challenges In The Field | 8/14/24 10:03 | 8/14/24 10:57 | 0:54 | 1.0 | | 1.0 | 1.0 |
| Water and Wastewater Workforce Development – Is your community ready for the challenge? | 8/14/24 13:33 | 8/14/24 14:30 | 0:57 | | 1.0 | 1.0 | 1.0 |
| Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:21 | 8/14/24 15:55 | 0:34 | 0.5 | | 0.5 | 0.5 |
| Getting the Next Generation Excited about Wastewater | 8/14/24 15:57 | 8/14/24 16:25 | 0:28 | | 0.5 | 0.5 | 0.5 |
| Enhancing the absorption capacity of GAC to remove PFAS from water | 8/14/24 16:29 | 8/14/24 16:55 | 0:25 | 0.5 | | 0.5 | 0.5 |
| Tips for Labs that you may not know | 8/15/24 7:53 | 8/15/24 8:30 | 0:36 | 0.5 | | 0.5 | 0.5 |
| IWEA WASTEWATER LABORATORY ANALYST CERTIFICATION | 8/15/24 8:33 | 8/15/24 9:01 | 0:27 | | 0.5 | 0.5 | 0.5 |
| Flexing Your Procurement Muscle | 8/15/24 9:07 | 8/15/24 9:37 | 0:30 | 0.5 | | 0.5 | 0.5 |
| Basics of pH | 8/15/24 9:43 | 8/15/24 10:15 | 0:32 | 0.5 | | 0.5 | 0.5 |
| A case for better lab results | 8/15/24 10:15 | 8/15/24 10:47 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories | 8/15/24 10:56 | 8/15/24 11:55 | 0:59 | 1.0 | | 1.0 | 1.0 |

| | Credits Requested: Waster | water | Total C | redits Earned | 3.5 | 3.0 | 6.5 | 6.5 |
|-----------------|--|---------------|---------------|---------------|-----|-----|-----|-----|
| | Welcome & Keynote Address | 8/13/24 7:53 | 8/13/24 9:00 | 1:06 | | 1.0 | 1.0 | 1.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:40 | 8/13/24 11:10 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:11 | 8/13/24 11:49 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 15:01 | 8/13/24 15:28 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:24 | 8/14/24 10:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Challenges In The Field | 8/14/24 10:07 | 8/14/24 10:58 | 0:50 | 1.0 | | 1.0 | 1.0 |
| | 21ST Century FOG Management | 8/14/24 13:33 | 8/14/24 13:59 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | IU Permits and Applying the Combined Wastestream Formula | 8/14/24 14:08 | 8/14/24 14:35 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Electrical Safety for Wastewater Operators and Maintenance Personnel | 8/15/24 8:04 | 8/15/24 8:30 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | Emergency Preparedness and Procedures | 8/15/24 8:31 | 8/15/24 9:10 | 0:39 | | 0.5 | 0.5 | 0.5 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:52 | 8/15/24 11:25 | 0:33 | | 0.5 | 0.5 | 0.5 |
| Robarge, Andrew | Credits Requested: PDHs | | Total C | redits Earned | 2.5 | 5.0 | 7.5 | 7.5 |
| | Welcome & Keynote Address | 8/13/24 7:58 | 8/13/24 9:00 | 1:01 | | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:15 | 1:04 | | 1.0 | 1.0 | 1.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:39 | 8/13/24 11:10 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:09 | 8/13/24 11:49 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 15:48 | 8/13/24 16:29 | 0:41 | | 0.5 | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:28 | 8/14/24 9:00 | 0:32 | 0.5 | | 0.5 | 0.5 |

| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:30 | 8/14/24 10:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
|-----------------|---|---------------|---------------|---------------|------|-----|------|------|
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:06 | 8/14/24 10:35 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:34 | 8/14/24 11:03 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Ethics in Engineering | 8/14/24 13:24 | 8/14/24 14:30 | 1:06 | | 1.0 | 1.0 | 1.0 |
| | Indiana Law and Statutes | 8/14/24 15:25 | 8/14/24 16:22 | 0:57 | | 1.0 | 1.0 | 1.0 |
| ertson, Anthony | Credits Requested: Waste | vater | Total C | redits Earned | 12.5 | 0.0 | 12.5 | 12.5 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:35 | 8/13/24 11:41 | 1:06 | 1.0 | | 1.0 | 1.0 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:28 | 8/13/24 13:59 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:04 | 8/13/24 14:29 | 0:24 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:48 | 8/13/24 15:25 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:51 | 8/13/24 16:55 | 1:03 | 1.0 | | 1.0 | 1.0 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:52 | 8/14/24 8:22 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:24 | 8/14/24 9:00 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:27 | 8/14/24 10:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:05 | 8/14/24 10:35 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:30 | 8/14/24 11:05 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | 21ST Century FOG Management | 8/14/24 13:17 | 8/14/24 13:59 | 0:42 | 0.5 | | 0.5 | 0.5 |

| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:04 | 8/14/24 14:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
|-------------------|--|---------------|---------------|---------------|-----|-----|-----|-----|
| | Adaptive mixing and process optimization with energy savings | 8/14/24 15:17 | 8/14/24 15:50 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:51 | 8/14/24 16:26 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:27 | 8/14/24 16:55 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Ultra-Low Phosphorus Limits | 8/15/24 7:54 | 8/15/24 8:30 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:32 | 8/15/24 9:06 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:08 | 8/15/24 9:40 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:43 | 8/15/24 10:15 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Keeping pace with current dynamic state of UV disinfection. An overview of different style UV systems, and what are the drivers when picking between technologies. | 8/15/24 10:15 | 8/15/24 11:30 | 1:14 | 1.0 | | 1.0 | 1.0 |
| | Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories | 8/15/24 11:00 | 8/15/24 11:55 | 0:54 | 1.0 | | 1.0 | 1.0 |
| Robertson, Brad | 2 10 2 | | | | 0.5 | 0.0 | 0.5 | 0.5 |
| | Credits Requested: | | Total C | redits Earned | 0.5 | 0.0 | 0.5 | 0.5 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:23 | 8/13/24 13:56 | 0:33 | 0.5 | | 0.5 | 0.5 |
| Robertson, Kellie | Cuadita Daguagtada | | Tatal C | wadita Fawaad | 0.0 | 1.0 | 1.0 | 1.0 |
| | Credits Requested: | | | redits Earned | 0.0 | | 1.0 | 1.0 |
| Robertson, Sam | Welcome & Keynote Address | 8/13/24 8:00 | 8/13/24 9:00 | 0:59 | | 1.0 | 1.0 | 1.0 |
| Robertson, Jam | Credits Requested: | | Total C | redits Earned | 2.5 | 2.0 | 4.5 | 4.5 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:28 | 8/13/24 14:01 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:03 | 8/13/24 14:31 | 0:28 | | 0.5 | 0.5 | 0.5 |

| | Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures | 8/13/24 15:01 | 8/13/24 15:26 | 0:25 | 0.5 | | 0.5 | 0.5 |
|-------------------|---|---------------|---------------|---------------|-----|-----|------|------|
| | IDEM Update | 8/13/24 15:58 | 8/13/24 16:27 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:05 | 8/14/24 10:35 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility | 8/15/24 7:56 | 8/15/24 8:30 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:29 | 8/15/24 9:06 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:09 | 8/15/24 9:40 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:44 | 8/15/24 10:15 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Robinson, Trey | Credits Requested: Waster | water | Total C | redits Earned | 1.5 | 0.0 | 1.5 | 1.5 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:33 | 8/15/24 9:39 | 1:05 | 1.0 | | 1.0 | 1.0 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:42 | 8/15/24 10:15 | 0:32 | 0.5 | | 0.5 | 0.5 |
| Rodgers, Tom | | | | | | 4.0 | | |
| | Credits Requested: | | | redits Earned | 0.0 | 1.0 | 1.0 | 1.0 |
| Poddin Podd | Welcome & Keynote Address | 8/13/24 7:57 | 8/13/24 9:00 | 1:03 | | 1.0 | 1.0 | 1.0 |
| Rodriguez, Brandi | Credits Requested: PDHs | | Total C | redits Earned | 6.5 | 4.5 | 11.0 | 11.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:30 | 8/13/24 11:10 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap | 8/13/24 11:08 | 8/13/24 11:42 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:20 | 8/13/24 13:56 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 13:57 | 8/13/24 14:26 | 0:28 | 0.5 | | 0.5 | 0.5 |

| | Credits Requested: PDHs | | Total C | redits Earned | 2.5 | 0.0 | 2.5 | 2.5 |
|--------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| ohner, Aaron | Welcome & Keynote Address | 8/13/24 8:00 | 8/13/24 9:00 | 0:59 | | 1.0 | 1.0 | 1.0 |
| | Credits Requested: | | | redits Earned | 0.0 | 1.0 | 1.0 | 1.0 |
| gers, Deen | It's Raining N! The Future of Total Nitrogen Limits | 8/15/24 11:21 | 8/15/24 11:55 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:56 | 8/15/24 11:25 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:14 | 8/15/24 10:46 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:44 | 8/15/24 10:15 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Flexing Your Procurement Muscle | 8/15/24 9:07 | 8/15/24 9:37 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Emergency Preparedness and Procedures | 8/15/24 8:32 | 8/15/24 9:10 | 0:37 | | 0.5 | 0.5 | 0.5 |
| | Ultra-Low Phosphorus Limits | 8/15/24 7:58 | 8/15/24 8:30 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Enhancing the absorption capacity of GAC to remove PFAS from water | 8/14/24 16:29 | 8/14/24 16:55 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Getting the Next Generation Excited about Wastewater | 8/14/24 15:56 | 8/14/24 16:25 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:22 | 8/14/24 15:55 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:02 | 8/14/24 14:30 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:31 | 8/14/24 11:03 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | Rate inequity: are your residents subsidizing the growth in your community? | 8/14/24 9:31 | 8/14/24 10:30 | 0:58 | | 1.0 | 1.0 | 1.0 |
| | Mastering the Art of Master Planning | 8/14/24 7:47 | 8/14/24 9:00 | 1:13 | 1.0 | | 1.0 | 1.0 |
| | SRF Basics | 8/13/24 15:53 | 8/13/24 16:29 | 0:36 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 15:01 | 8/13/24 15:28 | 0:27 | | 0.5 | 0.5 | 0.5 |

| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:30 | 8/14/24 10:00 | 0:29 | 0.5 | | 0.5 | 0.5 |
|-----------------|---|---------------|---------------|----------------|-----|-----|-----|-----|
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:03 | 8/14/24 10:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:29 | 8/14/24 11:05 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:32 | 8/14/24 14:00 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:05 | 8/14/24 14:30 | 0:25 | 0.5 | | 0.5 | 0.5 |
| Romanucci, Izzy | Credits Requested: | | Total C | Credits Earned | 2.0 | 0.0 | 2.0 | 2.0 |
| | 21ST Century FOG Management | 8/14/24 13:17 | 8/14/24 14:00 | 0:42 | 0.5 | | 0.5 | 0.5 |
| | Enforcement Response Plan, Violations, and Significant Non- Compliance | 8/14/24 15:15 | 8/14/24 16:15 | 0:59 | 1.0 | | 1.0 | 1.0 |
| | Transforming Compliance Using Collaborative Technology | 8/14/24 16:22 | 8/14/24 16:57 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Romanyk, Joseph | Cuadita Daguastad | | Total C | Credits Earned | 2.5 | 3.0 | 5.5 | 5.5 |
| | Credits Requested: | 8/13/24 8:05 | 8/13/24 9:00 | 0:54 | 2.5 | 1.0 | 1.0 | 1.0 |
| | Welcome & Keynote Address Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:15 | 1:04 | | 1.0 | 1.0 | 1.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:36 | 8/13/24 11:10 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:26 | 8/13/24 14:01 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:02 | 8/13/24 14:31 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:31 | 8/14/24 9:00 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:07 | 8/14/24 10:35 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | | |

| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:37 | 8/14/24 11:05 | 0:28 | 0.5 | | 0.5 | 0.5 |
|------------|---|---------------|---------------|---------------|-----|-----|------|------|
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:30 | 8/14/24 16:58 | 0:27 | 0.5 | | 0.5 | 0.5 |
| Rooks, Ray | Cuadita Bancastada W | | T-4-1-0 | | C 0 | F F | 11 Г | 11 [|
| | Credits Requested: Wastev | | | redits Earned | 6.0 | 5.5 | 11.5 | 11.5 |
| | Welcome & Keynote Address | 8/13/24 8:05 | 8/13/24 9:00 | 0:54 | | 1.0 | 1.0 | 1.0 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:27 | 8/13/24 11:41 | 1:14 | 1.0 | | 1.0 | 1.0 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:15 | 8/13/24 13:56 | 0:41 | 0.5 | | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:03 | 8/13/24 14:31 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 14:58 | 8/13/24 15:28 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:53 | 8/13/24 16:27 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | Forecasting Urban Water Escherichia coli Contamination Using Machine Learning Models | 8/13/24 16:32 | 8/13/24 17:00 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Mastering the Art of Master Planning | 8/14/24 7:48 | 8/14/24 9:00 | 1:12 | 1.0 | | 1.0 | 1.0 |
| | Rate inequity: are your residents subsidizing the growth in your community? | 8/14/24 9:30 | 8/14/24 10:30 | 0:59 | | 1.0 | 1.0 | 1.0 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:30 | 8/14/24 11:05 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Water and Wastewater Workforce Development – Is your community ready for the challenge? | 8/14/24 13:25 | 8/14/24 14:30 | 1:05 | | 1.0 | 1.0 | 1.0 |
| | Tips for Labs that you may not know | 8/15/24 7:53 | 8/15/24 8:30 | 0:37 | 0.5 | | 0.5 | 0.5 |

| | IWEA WASTEWATER LABORATORY ANALYST CERTIFICATION | 8/15/24 8:32 | 8/15/24 9:01 | 0:28 | | 0.5 | 0.5 | 0.5 |
|-----------------|--|---------------|---------------|------------------|-----|-----|-----|-----|
| | Flexing Your Procurement Muscle | 8/15/24 9:10 | 8/15/24 9:38 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Basics of pH | 8/15/24 9:45 | 8/15/24 10:15 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | A case for better lab results | 8/15/24 10:17 | 8/15/24 10:47 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories | 8/15/24 11:00 | 8/15/24 11:55 | 0:55 | 1.0 | | 1.0 | 1.0 |
| Roper, Ralph | Credits Requested: | | Total C | redits Earned | 5.0 | 2.0 | 7.0 | 7.0 |
| | Biosolids: Fail to Plan; Plan to | 8/13/24 10:31 | 8/13/24 11:41 | 1:10 | 1.0 | | 1.0 | 1.0 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:23 | 8/13/24 13:59 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:52 | 8/13/24 15:27 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:52 | 8/13/24 16:55 | 1:02 | 1.0 | | 1.0 | 1.0 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:27 | 8/14/24 10:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:04 | 8/14/24 10:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:31 | 8/14/24 11:04 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | Ethics in Engineering | 8/14/24 13:22 | 8/14/24 14:30 | 1:08 | | 1.0 | 1.0 | 1.0 |
| | Adaptive mixing and process optimization with energy savings | 8/14/24 15:17 | 8/14/24 15:50 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Getting the Next Generation Excited about Wastewater | 8/14/24 16:00 | 8/14/24 16:25 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Enhancing the absorption capacity of GAC to remove PFAS from water | 8/14/24 16:28 | 8/14/24 16:55 | 0:27 | 0.5 | | 0.5 | 0.5 |
| Roschyk, Jeremy | Cuadita Danisatada | | Tatalo | ua dita Farra ad | 4.0 | 0.5 | 4.0 | 4.0 |
| | Credits Requested: | | rotarC | redits Earned | 4.0 | 0.5 | 4.0 | 4.0 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:30 | 8/13/24 13:56 | 0:26 | 0.5 | | 0.5 | 0.5 |

| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:04 | 8/13/24 14:29 | 0:24 | 0.5 | | 0.5 | 0.5 |
|--------------------|--|---|---|--------------------------------------|---------------------------------|-----|---------------------------------|--|
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 15:02 | 8/13/24 15:27 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:43 | 8/14/24 9:00 | 0:16 | 0.5 | | 0.0 | 0.0 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:10 | 8/14/24 14:35 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Indiana Law and Statutes | 8/14/24 15:37 | 8/14/24 15:39 | 0:01 | | 0.0 | 0.0 | 0.0 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:57 | 8/14/24 16:26 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:16 | 8/15/24 10:46 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:55 | 8/15/24 11:25 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | UPDATED - Emergency Replacement of a Blower During a Planning Project at the Wyoming Clean Water Plant | 8/15/24 11:27 | 8/15/24 11:57 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | | |
| Rosenow, Anastasia | | | | | | | | |
| Rosenow, Anastasia | Credits Requested: | | Total C | redits Earned | 7.0 | 0.5 | 7.5 | 7.5 |
| Rosenow, Anastasia | Credits Requested: Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:23 | Total C 8/13/24 13:59 | Credits Earned | 7.0 | 0.5 | 7.5 | 7.5 |
| Rosenow, Anastasia | Peracetic Acid for Wastewater Disinfection & The Benefits to | 8/13/24 13:23 8/13/24 14:01 | | | | 0.5 | | |
| Rosenow, Anastasia | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities Optimizing Final Clarifiers — From Concept to Demonstrated | | 8/13/24 13:59 | 0:35 | 0.5 | 0.5 | 0.5 | 0.5 |
| Rosenow, Anastasia | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities Optimizing Final Clarifiers – From Concept to Demonstrated Performance Whole Effluent Toxicity (WET) Testing Requirements for | 8/13/24 14:01 | 8/13/24 13:59 8/13/24 14:29 | 0:35 | 0.5 | 0.5 | 0.5 | 0.5 |
| Rosenow, Anastasia | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities Optimizing Final Clarifiers — From Concept to Demonstrated Performance Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 14:01 8/13/24 15:58 8/14/24 7:55 8/14/24 9:28 | 8/13/24 13:59 8/13/24 14:29 8/13/24 16:55 8/14/24 8:57 8/14/24 10:00 | 0:35 0:28 0:56 1:01 0:31 | 0.5 | 0.5 | 0.5 | 0.5 0.5 1.0 1.0 0.5 |
| Rosenow, Anastasia | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities Optimizing Final Clarifiers — From Concept to Demonstrated Performance Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits Out In The Field Not In A Book Water Treatment Regulatory | 8/13/24 14:01 8/13/24 15:58 8/14/24 7:55 | 8/13/24 13:59 8/13/24 14:29 8/13/24 16:55 8/14/24 8:57 | 0:35 0:28 0:56 1:01 | 0.5 0.5 1.0 | 0.5 | 0.5 0.5 1.0 | 0.5 0.5 1.0 |
| Rosenow, Anastasia | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities Optimizing Final Clarifiers — From Concept to Demonstrated Performance Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits Out In The Field Not In A Book Water Treatment Regulatory Terms & Definitions | 8/13/24 14:01 8/13/24 15:58 8/14/24 7:55 8/14/24 9:28 | 8/13/24 13:59 8/13/24 14:29 8/13/24 16:55 8/14/24 8:57 8/14/24 10:00 | 0:35 0:28 0:56 1:01 0:31 | 0.5 0.5 1.0 1.0 | 0.5 | 0.5 0.5 1.0 1.0 0.5 | 0.5 0.5 1.0 1.0 0.5 |
| Rosenow, Anastasia | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities Optimizing Final Clarifiers – From Concept to Demonstrated Performance Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits Out In The Field Not In A Book Water Treatment Regulatory Terms & Definitions Challenges In The Field | 8/13/24 14:01 8/13/24 15:58 8/14/24 7:55 8/14/24 9:28 8/14/24 10:02 | 8/13/24 13:59 8/13/24 14:29 8/13/24 16:55 8/14/24 8:57 8/14/24 10:00 8/14/24 10:57 | 0:35 0:28 0:56 1:01 0:31 | 0.5 0.5 1.0 1.0 0.5 | 0.5 | 0.5 0.5 1.0 1.0 0.5 | 0.5 0.5 1.0 1.0 0.5 1.0 |

| | Flexing Your Procurement Muscle | 8/15/24 9:10 | 8/15/24 9:38 | 0:27 | 0.5 | | 0.5 | 0.5 |
|-------------------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories | 8/15/24 10:57 | 8/15/24 11:55 | 0:58 | 1.0 | | 1.0 | 1.0 |
| Roskowski, Brian | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 1.5 | 0.0 | 1.5 | 1.5 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:29 | 8/14/24 9:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:30 | 8/14/24 11:05 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:04 | 8/14/24 14:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Roudebush, Robert "Bob" | | | | | | | | |
| | Credits Requested: Wastewa | ater | Total C | redits Earned | 5.0 | 2.0 | 7.0 | 7.0 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:28 | 8/13/24 13:56 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:03 | 8/13/24 14:29 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 15:02 | 8/13/24 15:27 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:55 | 8/13/24 16:27 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | Forecasting Urban Water Escherichia coli Contamination Using Machine Learning Models | 8/13/24 16:31 | 8/13/24 17:00 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | 50 Years Later and SND Still Works | 8/14/24 13:32 | 8/14/24 14:01 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:21 | 8/14/24 15:55 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | Tips for Labs that you may not know | 8/15/24 7:55 | 8/15/24 8:30 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | IWEA WASTEWATER LABORATORY ANALYST CERTIFICATION | 8/15/24 8:33 | 8/15/24 9:01 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Flexing Your Procurement Muscle | 8/15/24 9:08 | 8/15/24 9:38 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | masere | | | | | | | |
| | Basics of pH | 8/15/24 9:49 | 8/15/24 10:15 | 0:26 | 0.5 | | 0.5 | 0.5 |

| Russell, Shane | Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories | 8/15/24 10:57 | 8/15/24 11:55 | 0:58 | 1.0 | | 1.0 | 1.0 |
|-----------------|--|-------------------|---------------|---------------|-----|-----|------|------|
| Russell, Sharie | Credits Requested: Drinking | Water, Wastewater | Total C | redits Earned | 0.0 | 1.0 | 1.0 | 1.0 |
| | Getting the Next Generation Excited about Wastewater | 8/14/24 15:57 | 8/14/24 16:25 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Wastewater Challenge Demonstration | 8/14/24 16:28 | 8/14/24 16:55 | 0:27 | | 0.5 | 0.5 | 0.5 |
| Ruston, Gary | Credits Requested: PDHs | | Total C | redits Earned | 4.0 | 1.5 | 5.5 | 5.5 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:28 | 8/13/24 13:57 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:03 | 8/13/24 14:29 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 15:01 | 8/13/24 15:28 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:57 | 8/13/24 16:27 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:26 | 8/14/24 10:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:16 | 8/14/24 15:55 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | Wastewater Challenge Demonstration | 8/14/24 16:30 | 8/14/24 16:55 | 0:24 | | 0.5 | 0.5 | 0.5 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:44 | 8/15/24 10:15 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Keeping pace with current dynamic state of UV disinfection. An overview of different style UV systems, and what are the drivers when picking between technologies. | 8/15/24 10:14 | 8/15/24 11:30 | 1:15 | 1.0 | | 1.0 | 1.0 |
| | It's Raining N! The Future of Total Nitrogen Limits | 8/15/24 11:30 | 8/15/24 11:55 | 0:25 | 0.5 | | 0.5 | 0.5 |
| Saavedra, Karen | | | | | 7.5 | 0.0 | 40.5 | 10.5 |
| | Credits Requested: PDHs | 0/42/2: 2.22 | | redits Earned | 7.5 | 3.0 | 10.5 | 10.5 |
| | Welcome & Keynote Address | 8/13/24 8:00 | 8/13/24 9:00 | 0:59 | | 1.0 | 1.0 | 1.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:31 | 8/13/24 11:10 | 0:38 | 0.5 | | 0.5 | 0.5 |

| In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:09 | 8/13/24 11:49 | 0:39 | 0.5 | | 0.5 | 0.5 |
|---|---------------|---------------|------|-----|-----|-----|-----|
| Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:03 | 8/13/24 14:29 | 0:26 | 0.5 | | 0.5 | 0.5 |
| Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 14:59 | 8/13/24 15:28 | 0:28 | | 0.5 | 0.5 | 0.5 |
| SRF Basics | 8/13/24 16:00 | 8/13/24 16:29 | 0:29 | | 0.5 | 0.5 | 0.5 |
| Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:52 | 8/14/24 8:23 | 0:30 | 0.5 | | 0.5 | 0.5 |
| Hydraulic Modeling - What is it good for? | 8/14/24 8:26 | 8/14/24 9:00 | 0:34 | 0.5 | | 0.5 | 0.5 |
| WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:27 | 8/14/24 10:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:34 | 8/14/24 11:04 | 0:29 | | 0.5 | 0.5 | 0.5 |
| Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:26 | 8/14/24 14:00 | 0:34 | 0.5 | | 0.5 | 0.5 |
| Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:02 | 8/14/24 14:30 | 0:28 | 0.5 | | 0.5 | 0.5 |
| Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:15 | 8/14/24 15:55 | 0:39 | 0.5 | | 0.5 | 0.5 |
| Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:50 | 8/14/24 16:26 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Back to Basics: Review of UV Disinfection | 8/15/24 8:32 | 8/15/24 9:06 | 0:33 | 0.5 | | 0.5 | 0.5 |
| Primary Clarifier Sludge and Scum | 8/15/24 9:11 | 8/15/24 9:40 | 0:28 | 0.5 | | 0.5 | 0.5 |
| Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:42 | 8/15/24 10:15 | 0:32 | 0.5 | | 0.5 | 0.5 |
| Sustained 60 MGD? Sure, why not! | 8/15/24 10:14 | 8/15/24 10:46 | 0:32 | 0.5 | | 0.5 | 0.5 |
| Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:54 | 8/15/24 11:25 | 0:30 | | 0.5 | 0.5 | 0.5 |

| | It's Raining N! The Future of Total Nitrogen Limits | 8/15/24 11:26 | 8/15/24 11:56 | 0:29 | 0.5 | | 0.5 | 0.5 |
|----------------|---|---------------|---------------|---------------|-----|-----|------|------|
| Sahm, Brian | Credits Requested: | | Total C | redits Earned | 1.5 | 0.0 | 1.0 | 1.0 |
| | Energy Efficient Retrofits of Oxidation ditches | 8/14/24 8:16 | 8/14/24 8:26 | 0:09 | 0.5 | | 0.0 | 0.0 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:26 | 8/14/24 10:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | 50 Years Later and SND Still Works | 8/14/24 13:26 | 8/14/24 14:01 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Sailor, Dustin | | | | | | | | |
| | Credits Requested: PDHs | | Total C | redits Earned | 3.5 | 8.0 | 11.5 | 11.5 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:15 | 1:04 | | 1.0 | 1.0 | 1.0 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:26 | 8/13/24 11:41 | 1:15 | 1.0 | | 1.0 | 1.0 |
| | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks | 8/13/24 13:27 | 8/13/24 13:54 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:03 | 8/13/24 14:31 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 15:04 | 8/13/24 15:25 | 0:21 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:54 | 8/13/24 16:27 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:30 | 8/13/24 16:57 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | Mastering the Art of Master Planning | 8/14/24 7:57 | 8/14/24 9:00 | 1:03 | 1.0 | | 1.0 | 1.0 |
| | Rate inequity: are your residents subsidizing the growth in your community? | 8/14/24 9:28 | 8/14/24 10:30 | 1:01 | | 1.0 | 1.0 | 1.0 |
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:30 | 8/14/24 11:04 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | Ethics in Engineering | 8/14/24 13:25 | 8/14/24 14:30 | 1:05 | | 1.0 | 1.0 | 1.0 |
| | Indiana Law and Statutes | 8/14/24 15:11 | 8/14/24 16:22 | 1:10 | | 1.0 | 1.0 | 1.0 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:30 | 8/14/24 16:58 | 0:27 | 0.5 | | 0.5 | 0.5 |

| | Emergency Preparedness and Procedures | 8/15/24 8:31 | 8/15/24 9:10 | 0:38 | | 0.5 | 0.5 | 0.5 |
|---------------|--|---------------|---------------|----------------|-----|-----|------|------|
| | Flexing Your Procurement Muscle | 8/15/24 9:09 | 8/15/24 9:38 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | City of Kalamazoo's Holistic Approach to Selecting New Process Technologies | 8/15/24 9:44 | 8/15/24 10:50 | 1:05 | | 1.0 | 1.0 | 1.0 |
| ajjad, Shaiza | Credite Possested, PDUs | | Total | redits Earned | 0.5 | 0.5 | 1.0 | 1.0 |
| | Credits Requested: PDHs | | TOTAL | reuits carrieu | 0.5 | 0.5 | 1.0 | 1.0 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:17 | 8/14/24 15:55 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Getting the Next Generation Excited about Wastewater | 8/14/24 15:56 | 8/14/24 16:25 | 0:29 | | 0.5 | 0.5 | 0.5 |
| muelson, Amy | Credits Requested: | | Total C | redits Earned | 8.5 | 3.5 | 12.0 | 12.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:30 | 8/13/24 11:10 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap | 8/13/24 11:08 | 8/13/24 11:42 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:20 | 8/13/24 13:57 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:03 | 8/13/24 14:29 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:55 | 8/13/24 15:27 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:53 | 8/13/24 16:27 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:30 | 8/13/24 16:57 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:56 | 8/14/24 8:26 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:27 | 8/14/24 9:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:26 | 8/14/24 10:00 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:04 | 8/14/24 10:35 | 0:31 | 0.5 | | 0.5 | 0.5 |

| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:26 | 8/14/24 11:05 | 0:39 | 0.5 | | 0.5 | 0.5 |
|------------------|---|-----------------|-----------------|---------------|-----|-----|-----|-----|
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:29 | 8/14/24 14:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:02 | 8/14/24 14:30 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Enforcement Response Plan, Violations, and Significant Non- Compliance | 8/14/24 15:19 | 8/14/24 16:15 | 0:55 | 1.0 | | 1.0 | 1.0 |
| | Enhancing the absorption capacity of GAC to remove PFAS from water | 8/14/24 16:29 | 8/14/24 16:55 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility | 8/15/24 7:57 | 8/15/24 8:30 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:28 | 8/15/24 9:06 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:07 | 8/15/24 9:40 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | City of Kalamazoo's Holistic Approach to Selecting New Process Technologies | 8/15/24 9:38 | 8/15/24 10:50 | 1:11 | | 1.0 | 1.0 | 1.0 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:58 | 8/15/24 11:25 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | It's Raining N! The Future of Total Nitrogen Limits | 8/15/24 11:21 | 8/15/24 11:56 | 0:34 | 0.5 | | 0.5 | 0.5 |
| Sanford, Jordan | - | | | | | | | - |
| | Credits Requested: | | Total C | redits Earned | 0.0 | 0.5 | 0.5 | 0.5 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:26 | 8/13/24 14:01 | 0:35 | | 0.5 | 0.5 | 0.5 |
| Sanzone, Carleen | Credits Requested: | | Total C | redits Earned | 5.5 | 2.5 | 8.0 | 8.0 |
| | Operator Certification Update | 8/13/24 10:31 | 8/13/24 11:06 | 0:35 | 0.0 | 0.5 | 0.5 | 0.5 |
| | Operator Certification Opuate | 0/ 13/ 24 10.31 | 0/ 13/ 24 11.00 | 0.33 | | 0.0 | 0.5 | 0.3 |

| Advancing Reter Water Policy and Strategies: The Indiana 8/13/24 11.08 8/13/24 11.43 0.35 0.5 0.5 0.5 0.5 Water Summit and Roadmap PFAS Regulations Impact on the 8/13/24 13.29 8/13/24 13.57 0.27 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 | | | | | | | | | |
|--|------------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| Future of Land Application S13 24 35 32 S13 24 35 33 S13 24 35 34 34 34 34 34 34 34 34 34 34 34 34 34 | | and Strategies: The Indiana | 8/13/24 11:08 | 8/13/24 11:43 | 0:35 | | 0.5 | 0.5 | 0.5 |
| Startup Challenges during a 8/13/24 15:00 8/13/24 15:28 0.28 0.5 0.5 | | · · | 8/13/24 13:29 | 8/13/24 13:57 | 0:27 | 0.5 | | 0.5 | 0.5 |
| The Need to Understand and Manage Water Availability Within Basins in Indiana Out in The Field Not In A Book Water Treatment Regulatory 8/14/24 8:00 8/14/24 8:57 0:56 1:0 1:0 Water Treatment Regulatory 8/14/24 9:22 8/14/24 10:00 0:37 0:5 0:5 Terms & Definitions Challenges in The Field 8/14/24 10:02 8/14/24 10:57 0:54 1:0 1:0 1:0 Permits and Applying the Combined Wastestream 8/14/24 13:16 8/14/24 14:05 8/14/24 14:35 0:29 0:5 0:5 SATTISON, TODD Credits Requested: Wastewater Transforming Compliance Using Collaborative Technology Credits Requested: Wastewater Foster Park Relief Sewer— Indian Village Col Oos Connection Critical Crossing: Gravity Sewer under a Ditte, Balliows, and State Road in Greendale, Indiana Lafayette Prairie Oaks Pipeline 8/14/24 14:01 8/14/24 15:55 0:42 0:5 0:5 0:5 0:5 0:5 0:5 0:5 0:5 0:5 0:5 | | Startup Challenges during a | 8/13/24 15:00 | 8/13/24 15:28 | 0:28 | | 0.5 | 0.5 | 0.5 |
| Manage Water Availability 8/13/24 16:30 8/13/24 16:57 0.27 0.5 0.5 0.5 within Basins in Indiana 0.1t in The Field Not In A Book 8/14/24 8:00 8/14/24 8:57 0.56 1.0 1.0 1.0 0.5 1.0 1.0 0.5 0.5 1.0 0.5 0 | | | 8/13/24 15:56 | 8/13/24 16:27 | 0:31 | | 0.5 | 0.5 | 0.5 |
| Water Treatment Regulatory 8/14/24 9:22 8/14/24 10:00 0:37 0.5 0.5 | | Manage Water Availability | 8/13/24 16:30 | 8/13/24 16:57 | 0:27 | | 0.5 | 0.5 | 0.5 |
| Terms & Definitions | | Out In The Field Not In A Book | 8/14/24 8:00 | 8/14/24 8:57 | 0:56 | 1.0 | | 1.0 | 1.0 |
| 21ST Century FOG Management 8/14/24 13:16 8/14/24 14:00 0:43 0.5 0.5 21ST Century FOG Management 8/14/24 13:16 8/14/24 14:00 0:43 0.5 0.5 21ST Century FOG Management 8/14/24 13:16 8/14/24 14:35 0:29 0.5 0.5 22ST Cembral Wastestream 8/14/24 14:05 8/14/24 14:35 0:29 0.5 0.5 22ST Commula Enforcement Response Plan, | | | 8/14/24 9:22 | 8/14/24 10:00 | 0:37 | 0.5 | | 0.5 | 0.5 |
| Part | | Challenges In The Field | 8/14/24 10:02 | 8/14/24 10:57 | 0:54 | 1.0 | | 1.0 | 1.0 |
| Combined Wastestream 8/14/24 14:05 8/14/24 14:35 0:29 0.5 0.5 | | 21ST Century FOG Management | 8/14/24 13:16 | 8/14/24 14:00 | 0:43 | 0.5 | | 0.5 | 0.5 |
| Violations, and Significant Non-Compliance S/14/24 15:14 S/14/24 16:15 1:00 1.0 1.0 | | Combined Wastestream | 8/14/24 14:05 | 8/14/24 14:35 | 0:29 | 0.5 | | 0.5 | 0.5 |
| Credits Requested: Wastewater Total Credits Earned 3.0 0.0 3.0 | | Violations, and Significant Non- | 8/14/24 15:14 | 8/14/24 16:15 | 1:00 | 1.0 | | 1.0 | 1.0 |
| Total Credits Earned 3.0 0.0 3.0 | | | 8/14/24 16:21 | 8/14/24 16:57 | 0:36 | 0.5 | | 0.5 | 0.5 |
| Biosolids: Fail to Plan; Plan to Fail | ATTISON, TODD | | | | | | | | |
| Fail Foster Park Relief Sewer — Indian Village CSO 005 Connection Critical Crossing: Gravity Sewer under a Ditch, Railroad, and state Road in Greendale, Indiana Lafayette Prairie Oaks Pipeline Rehab Use of Pipe Storage System for 8/14/24 15:49 8/14/24 16:26 8/14/24 16:26 8/14/24 16:26 0.36 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0. | | Credits Requested: Waster | water | Total C | redits Earned | 3.0 | 0.0 | 3.0 | 3.0 |
| Indian Village CSO 005 Connection Critical Crossing: Gravity Sewer under a Ditch, Railroad, and 8/14/24 14:01 8/14/24 14:30 0:28 0.5 State Road in Greendale, Indiana Lafayette Prairie Oaks Pipeline 8/14/24 15:13 8/14/24 15:55 0:42 0.5 Use of Pipe Storage System for 8/14/24 15:49 8/14/24 16:26 0:36 0.5 0.5 | | | 8/13/24 10:35 | 8/13/24 11:41 | 1:06 | 1.0 | | 1.0 | 1.0 |
| under a Ditch, Railroad, and 8/14/24 14:01 8/14/24 14:30 0:28 0.5 0.5 State Road in Greendale, Indiana Lafayette Prairie Oaks Pipeline 8/14/24 15:13 8/14/24 15:55 0:42 0.5 0.5 0.5 Rehab Use of Pipe Storage System for 8/14/24 15:49 8/14/24 16:26 0:36 0.5 0.5 | | Indian Village CSO 005 | 8/14/24 13:23 | 8/14/24 14:00 | 0:36 | 0.5 | | 0.5 | 0.5 |
| Rehab Use of Pipe Storage System for 8/14/24 15:49 8/14/24 16:26 0:36 0.5 0.5 | | under a Ditch, Railroad, and State Road in Greendale, | 8/14/24 14:01 | 8/14/24 14:30 | 0:28 | 0.5 | | 0.5 | 0.5 |
| 0/14/24 13.43 | | · · · | 8/14/24 15:13 | 8/14/24 15:55 | 0:42 | 0.5 | | 0.5 | 0.5 |
| | | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:49 | 8/14/24 16:26 | 0:36 | 0.5 | | 0.5 | 0.5 |
| Savick, Kimberlee | avick, Kimberlee | | | | | 1.0 | 0.5 | 4.5 | 4 5 |
| Credits Requested: Total Credits Earned 1.0 0.5 1.5 | | | | | | | | | |
| Challenges In The Field 8/14/24 10:05 8/14/24 10:57 0:51 1.0 1.0 | | · | | | | | 0.5 | | 1.5 |

| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:35 | 8/14/24 11:04 | 0:28 | | 0.5 | 0.5 | 0.5 |
|--|--|---------------|---------------|---------------|------|-----|------|------|
| Sawyer, Christie | Condito Degrapate de Marto | | Tatal C | | 10.5 | 3.5 | 14.0 | 14.0 |
| | Credits Requested: Wastev Welcome & Keynote Address | 8/13/24 7:49 | 8/13/24 9:00 | redits Earned | 10.5 | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:15 | 1:04 | | 1.0 | 1.0 | 1.0 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:34 | 8/13/24 11:42 | 1:07 | 1.0 | | 1.0 | 1.0 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:19 | 8/13/24 13:59 | 0:40 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:02 | 8/13/24 14:30 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:48 | 8/13/24 15:25 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | The Danish story of using low- hanging-fruit to reduce energy, carbon, and resourcesgy and carbon | 8/13/24 15:52 | 8/13/24 16:56 | 1:03 | 1.0 | | 1.0 | 1.0 |
| | Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:51 | 8/14/24 8:26 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:31 | 8/14/24 9:00 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:28 | 8/14/24 10:00 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:04 | 8/14/24 11:00 | 0:56 | | 1.0 | 1.0 | 1.0 |
| | 50 Years Later and SND Still Works | 8/14/24 13:25 | 8/14/24 14:01 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:03 | 8/14/24 14:35 | 0:32 | 0.5 | | 0.5 | 0.5 |
| Adaptive optimizat savings Use of Pip | Adaptive mixing and process optimization with energy savings | 8/14/24 15:17 | 8/14/24 15:50 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:58 | 8/14/24 16:26 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:27 | 8/14/24 16:55 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Ultra-Low Phosphorus Limits | 8/15/24 7:48 | 8/15/24 8:30 | 0:41 | 0.5 | | 0.5 | 0.5 |

| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:32 | 8/15/24 9:39 | 1:06 | 1.0 | | 1.0 | 1.0 |
|----------------|--|---------------|---------------|---------------|------|-----|------|------|
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:39 | 8/15/24 10:15 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:13 | 8/15/24 10:46 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:53 | 8/15/24 11:25 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens - Sustainable Solutions for Grit Management At WWTPs | 8/15/24 11:21 | 8/15/24 11:55 | 0:34 | 0.5 | | 0.5 | 0.5 |
| Sawyer, George | Cuadita Parmastada Wasta | water | Total C | redits Earned | 10.0 | 3.5 | 13.5 | 13.5 |
| | Credits Requested: Waster | | | | 10.0 | | | |
| | Welcome & Keynote Address | 8/13/24 7:49 | 8/13/24 9:00 | 1:10 | | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:15 | 1:04 | | 1.0 | 1.0 | 1.0 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:31 | 8/13/24 11:42 | 1:10 | 1.0 | | 1.0 | 1.0 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:23 | 8/13/24 13:57 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:05 | 8/13/24 14:30 | 0:24 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:52 | 8/13/24 15:27 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:57 | 8/13/24 16:55 | 0:57 | 1.0 | | 1.0 | 1.0 |
| | Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:51 | 8/14/24 8:26 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:28 | 8/14/24 9:00 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:11 | 8/14/24 11:01 | 0:49 | | 1.0 | 1.0 | 1.0 |
| | 50 Years Later and SND Still Works | 8/14/24 13:25 | 8/14/24 14:01 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:03 | 8/14/24 14:35 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Adaptive mixing and process optimization with energy savings | 8/14/24 15:17 | 8/14/24 15:50 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | | |

| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:50 | 8/14/24 16:26 | 0:35 | 0.5 | | 0.5 | 0.5 |
|----------------|--|---------------|---------------|---------------|-----|-----|-----|-----|
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:27 | 8/14/24 16:55 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Ultra-Low Phosphorus Limits | 8/15/24 7:51 | 8/15/24 8:30 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:33 | 8/15/24 9:39 | 1:06 | 1.0 | | 1.0 | 1.0 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:39 | 8/15/24 10:15 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:13 | 8/15/24 10:46 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:53 | 8/15/24 11:25 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens - Sustainable Solutions for Grit Management At WWTPs | 8/15/24 11:21 | 8/15/24 11:55 | 0:34 | 0.5 | | 0.5 | 0.5 |
| Sawyer, Ronnie | - N - | | | | 0.5 | | | |
| | Credits Requested: Waster | | | redits Earned | 3.5 | 2.0 | 5.5 | 5.5 |
| | Welcome & Keynote Address | 8/13/24 7:49 | 8/13/24 9:00 | 1:10 | | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:15 | 1:04 | | 1.0 | 1.0 | 1.0 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:27 | 8/13/24 11:42 | 1:14 | 1.0 | | 1.0 | 1.0 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:19 | 8/13/24 13:59 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:04 | 8/13/24 14:30 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:48 | 8/13/24 15:25 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:53 | 8/13/24 16:55 | 1:01 | 1.0 | | 1.0 | 1.0 |
| Scales, Andy | Credits Requested: | | Total C | redits Earned | 0.5 | 0.5 | 1.0 | 1.0 |
| | Conversion of an underutilized | | | | - | - | | |
| | conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:33 | 8/13/24 11:10 | 0:36 | 0.5 | | 0.5 | 0.5 |

| | Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap | 8/13/24 11:09 | 8/13/24 11:43 | 0:33 | | 0.5 | 0.5 | 0.5 |
|--------------------|--|---------------|---------------|---------------|-----|-----|------|------|
| Schaeffer, Nichie | | | | | | | - | _ |
| | Credits Requested: PDHs | | Total C | redits Earned | 4.0 | 0.0 | 4.0 | 4.0 |
| | Water Treatment Regulatory Terms & Definitions | 8/14/24 9:26 | 8/14/24 10:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Challenges In The Field | 8/14/24 10:02 | 8/14/24 10:57 | 0:54 | 1.0 | | 1.0 | 1.0 |
| | 21ST Century FOG Management | 8/14/24 13:17 | 8/14/24 14:00 | 0:42 | 0.5 | | 0.5 | 0.5 |
| | IU Permits and Applying the Combined Wastestream Formula | 8/14/24 14:06 | 8/14/24 14:35 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Transforming Compliance Using Collaborative Technology | 8/14/24 16:21 | 8/14/24 16:57 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Enforcement Response Plan, Violations, and Significant Non- Compliance | 8/14/24 15:20 | 8/14/24 16:27 | 1:06 | 1.0 | | 1.0 | 1.0 |
| Schelling, Natalie | | | | | | | | |
| | Credits Requested: PDHs | | | redits Earned | 6.0 | 7.0 | 13.0 | 13.0 |
| | Welcome & Keynote Address | 8/13/24 7:47 | 8/13/24 9:00 | 1:13 | | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:15 | 1:04 | | 1.0 | 1.0 | 1.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:37 | 8/13/24 11:10 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:07 | 8/13/24 11:49 | 0:41 | 0.5 | | 0.5 | 0.5 |
| | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks | 8/13/24 13:23 | 8/13/24 13:54 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | Communication & Collaboration: How we managed multiple design iterations of a 600,000 | 8/13/24 13:55 | 8/13/24 14:31 | 0:35 | | 0.5 | 0.5 | 0.5 |
| | storage facility in Indianapolis | | | | | | | |
| | | 8/13/24 14:57 | 8/13/24 15:28 | 0:30 | | 0.5 | 0.5 | 0.5 |

| Basics: Review of UV ction Clarifier Sludge and Calamazoo's Holistic ch to Selecting New Technologies edits Requested: PDHs | 8/15/24 8:28 8/15/24 9:09 8/15/24 9:38 | 8/15/24 9:40 8/15/24 10:50 | 0:30 1:12 redits Earned | 1.0 | 0.0 | 1.0 | 1.0 |
|--|--|---|---|--|--|--|--|
| Basics: Review of UV ction Clarifier Sludge and Calamazoo's Holistic ch to Selecting New | 8/15/24 9:09 | <u> </u> | | 0.5 | 1.0 | | |
| Basics: Review of UV | · · | 8/15/24 9:40 | 0:30 | 0.5 | | | 0.5 |
| Basics: Review of UV | 8/15/24 8:28 | | | | | 0.5 | 0.5 |
| | 0/45/24 0 20 | 8/15/24 9:06 | 0:37 | 0.5 | | 0.5 | 0.5 |
| ring Plant Expansions: A hensive Overview of the y Expansion Project at | 8/15/24 7:50 | 8/15/24 8:30 | 0:40 | | 0.5 | 0.5 | 0.5 |
| ing the absorption y of GAC to remove PFAS ater | 8/14/24 16:29 | 8/14/24 16:55 | 0:26 | 0.5 | | 0.5 | 0.5 |
| the Next Generation about Wastewater | 8/14/24 15:56 | 8/14/24 16:25 | 0:29 | | 0.5 | 0.5 | 0.5 |
| ? Perspective on the vater Industry | 8/14/24 15:15 | 8/14/24 15:55 | 0:39 | | 0.5 | 0.5 | 0.5 |
| Crossing: Gravity Sewer Ditch, Railroad, and oad in Greendale, | 8/14/24 14:01 | 8/14/24 14:30 | 0:28 | 0.5 | | 0.5 | 0.5 |
| Park Relief Sewer – /illage CSO 005 tion | 8/14/24 13:26 | 8/14/24 14:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| l Roosa Sewer – The utcome of this Non- mal, Flexible Approach to ng an Almost 100-Year- ver | 8/14/24 10:27 | 8/14/24 11:05 | 0:38 | 0.5 | | 0.5 | 0.5 |
| nterceptor Sewer - e, IN | 8/14/24 10:01 | 8/14/24 10:35 | 0:33 | 0.5 | | 0.5 | 0.5 |
| al, GIS & Digital Twins to marter Sewer Inspections | 8/14/24 9:29 | 8/14/24 10:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | 8/14/24 7:58 | 8/14/24 9:00 | 1:02 | 1.0 | | 1.0 | 1.0 |
| ing the Art of Master g | | | 0:34 | | 0.5 | 0.5 | 0.5 |
| | g I, GIS & Digital Twins to | In the Art of Master 8/14/24 7:58 If GIS & Digital Twins to 8/14/24 9:29 | thia coli Contamination Machine Learning Models Ing the Art of Master 8/14/24 7:58 8/14/24 9:00 8/14/24 9:29 8/14/24 10:00 | Ing the Art of Master 8/14/24 7:58 8/14/24 9:00 1:02 8/14/24 9:29 8/14/24 10:00 0:30 | thia coli Contamination Machine Learning Models Ing the Art of Master 8/14/24 7:58 8/14/24 9:00 1:02 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1 | thia coli Contamination Machine Learning Models Ing the Art of Master 8/14/24 7:58 8/14/24 9:00 1:02 1.0 I, GIS & Digital Twins to 8/14/24 9:29 8/14/24 10:00 0:30 0.5 | thia coli Contamination Machine Learning Models Ing the Art of Master 8/14/24 7:58 8/14/24 9:00 1:02 1.0 1.0 I, GIS & Digital Twins to 8/14/24 9:29 8/14/24 10:00 0:30 0.5 0.5 |

| Lifuyette Pairic Caks Pipeline 8/14/24 15:21 8/14/24 15:55 0:34 0.5 0.5 Sethal Use of Pipe Storage System for 8/14/24 15:50 8/14/24 16:26 0:35 0.5 0.5 Sustainable CSD Reduction Sustainable CSD | | | | | | | | | |
|--|----------|--|---------------|---------------|----------------|-----|-----|-----|-----|
| Credits Requested: PDHs | | | 8/14/24 15:21 | 8/14/24 15:55 | 0:34 | 0.5 | | 0.5 | 0.5 |
| In Case of Emergency, Keeping 8/13/24 11:07 8/13/24 11:49 0:42 0.5 0.5 0.5 | | , , , | 8/14/24 15:50 | 8/14/24 16:26 | 0:35 | 0.5 | | 0.5 | 0.5 |
| In Case of Emergency: Keeping 8/13/24 11:07 8/13/24 11:49 0.42 0.5 0.5 0.5 Stormwater and Traffic Flowing Safely in Indianapolis, Indiana Urban Stormwater Retrofit: Case Study of Broad Ripple 8/13/24 13:30 8/13/24 14:01 0:30 0.5 0.5 0.5 Avenue in Indianapolis | , Thomas | | | | | | | | |
| Stormwater and Traffic Flowing Safety in Indianapolis, Indiana Urban Stormwater Retroff: Case Study of Broad Ripple 8/13/24 13:30 8/13/24 14:01 0:30 0.5 0.5 | | Credits Requested: PDHs | | Total C | redits Earned | 1.0 | 1.0 | 2.0 | 2.0 |
| Case Study of Broad Ripple Avenue in Indianapolis Communication & Collaboration: How we managed multiple By 13/24 14:00 8/13/24 14:31 0:31 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 | | Stormwater and Traffic Flowing | 8/13/24 11:07 | 8/13/24 11:49 | 0:42 | 0.5 | | 0.5 | 0.5 |
| How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | | Case Study of Broad Ripple | 8/13/24 13:30 | 8/13/24 14:01 | 0:30 | | 0.5 | 0.5 | 0.5 |
| Inflow and Infiltration | | How we managed multiple design iterations of a 600,000 | 8/13/24 14:00 | 8/13/24 14:31 | 0:31 | | 0.5 | 0.5 | 0.5 |
| Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap Strategies: The Indiana Strategies: The Indian | | | 8/13/24 14:57 | 8/13/24 15:25 | 0:28 | 0.5 | | 0.5 | 0.5 |
| Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap PFAS Regulations Impact on the Future of Land Application Optimizing Final Clarifiers — From Concept to Demonstrated Performance Total Nitrogen Treatment — What is Required vs. What is Realistic IDEM Update 8/13/24 15:58 8/13/24 16:57 0:26 0.5 0.5 The Need to Understand and Manage Water Availability 8/13/24 16:30 8/13/24 16:57 0:26 0.5 0.5 Rate inequity: are your residents subsidizing the growth in your 8/14/24 9:28 8/14/24 10:30 1:01 1.0 1.0 | , Jeremy | | | | | | | | |
| and Strategies: The Indiana 8/13/24 11:18 8/13/24 11:44 0:25 0.5 0.5 0.5 Water Summit and Roadmap PFAS Regulations Impact on the Future of Land Application Optimizing Final Clarifiers — From Concept to Demonstrated 8/13/24 14:05 8/13/24 14:30 0:25 0.5 0.5 0.5 0.5 Performance Total Nitrogen Treatment — What is Required vs. What is Required vs. What is Required vs. What is Regulistic IDEM Update 8/13/24 15:58 8/13/24 16:27 0:29 0.5 0.5 0.5 0.5 The Need to Understand and Manage Water Availability 8/13/24 16:30 8/13/24 16:57 0:26 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 | | Credits Requested: PDHs | | Total C | Credits Earned | 6.0 | 3.5 | 9.5 | 9.5 |
| PFAS Regulations Impact on the Future of Land Application 8/13/24 13:34 8/13/24 14:00 0:25 0.5 0.5 Optimizing Final Clarifiers — From Concept to Demonstrated Performance 8/13/24 14:05 8/13/24 14:30 0:25 0.5 0.5 Total Nitrogen Treatment — What is Required vs. What is Required vs. What is Required vs. What is Realistic 8/13/24 15:00 8/13/24 15:27 0:26 0.5 0.5 IDEM Update 8/13/24 15:58 8/13/24 16:27 0:29 0.5 0.5 The Need to Understand and Manage Water Availability within Basins in Indiana 8/13/24 16:30 8/13/24 16:57 0:26 0.5 0.5 Rate inequity: are your residents subsidizing the growth in your 8/14/24 9:28 8/14/24 10:30 1:01 1.0 1.0 | | and Strategies: The Indiana | 8/13/24 11:18 | 8/13/24 11:44 | 0:25 | | 0.5 | 0.5 | 0.5 |
| From Concept to Demonstrated 8/13/24 14:05 8/13/24 14:30 0:25 0.5 0.5 0.5 Performance Total Nitrogen Treatment — What is Required vs. What is Required vs. What is Realistic IDEM Update 8/13/24 15:58 8/13/24 16:27 0:29 0.5 0.5 0.5 The Need to Understand and Manage Water Availability 8/13/24 16:30 8/13/24 16:57 0:26 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 | | PFAS Regulations Impact on the | 8/13/24 13:34 | 8/13/24 14:00 | 0:25 | 0.5 | | 0.5 | 0.5 |
| What is Required vs. What is Realistic IDEM Update 8/13/24 15:58 8/13/24 16:27 0:29 0.5 0.5 The Need to Understand and Manage Water Availability 8/13/24 16:30 8/13/24 16:57 0:26 0.5 0.5 within Basins in Indiana Rate inequity: are your residents subsidizing the growth in your 8/14/24 9:28 8/14/24 10:30 1:01 1.0 1.0 | | From Concept to Demonstrated | 8/13/24 14:05 | 8/13/24 14:30 | 0:25 | 0.5 | | 0.5 | 0.5 |
| The Need to Understand and Manage Water Availability 8/13/24 16:30 8/13/24 16:57 0:26 0.5 0.5 within Basins in Indiana Rate inequity: are your residents subsidizing the growth in your 8/14/24 9:28 8/14/24 10:30 1:01 1.0 1.0 | | What is Required vs. What is | 8/13/24 15:00 | 8/13/24 15:27 | 0:26 | 0.5 | | 0.5 | 0.5 |
| Manage Water Availability within Basins in Indiana 8/13/24 16:30 8/13/24 16:57 0:26 0.5 0.5 Rate inequity: are your residents subsidizing the growth in your 8/14/24 9:28 8/14/24 10:30 1:01 1.0 1.0 1.0 | | IDEM Update | 8/13/24 15:58 | 8/13/24 16:27 | 0:29 | | 0.5 | 0.5 | 0.5 |
| subsidizing the growth in your 8/14/24 9:28 8/14/24 10:30 1:01 1.0 1.0 | | Manage Water Availability | 8/13/24 16:30 | 8/13/24 16:57 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | | subsidizing the growth in your | 8/14/24 9:28 | 8/14/24 10:30 | 1:01 | | 1.0 | 1.0 | 1.0 |
| Unveiling the Power of Regionalization: A Strategic 8/14/24 10:31 8/14/24 11:04 0:33 0.5 0.5 Approach for Success | | Unveiling the Power of | | 9/14/24 11:04 | 0.33 | | 0.5 | 0.5 | 0.5 |
| 8/14/24 13:28 8/14/24 14:00 0:31 0.5 0.5 | | Regionalization: A Strategic | 8/14/24 10:31 | 6/14/24 11.04 | 0.55 | | | | |

| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:02 | 8/14/24 14:30 | 0:28 | 0.5 | | 0.5 | 0.5 |
|-----------------|---|---------------|---------------|---------------|-----|-----|------|------|
| | Adaptive mixing and process optimization with energy savings | 8/14/24 15:21 | 8/14/24 15:50 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:31 | 8/14/24 16:58 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:33 | 8/15/24 9:39 | 1:06 | 1.0 | | 1.0 | 1.0 |
| | Basics of pH | 8/15/24 9:44 | 8/15/24 10:15 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:20 | 8/15/24 10:47 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:54 | 8/15/24 11:25 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens - Sustainable Solutions for Grit Management At WWTPs | 8/15/24 11:22 | 8/15/24 11:55 | 0:33 | 0.5 | | 0.5 | 0.5 |
| Schortgen, Zach | | | | | | | | |
| | Credits Requested: Waster | water, PDHs | Total C | redits Earned | 7.0 | 4.0 | 11.0 | 11.0 |
| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:40 | 8/13/24 11:41 | 1:01 | 1.0 | | 1.0 | 1.0 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:26 | 8/13/24 13:57 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:05 | 8/13/24 14:30 | 0:24 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:53 | 8/13/24 15:27 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:57 | 8/13/24 16:27 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:32 | 8/13/24 16:58 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | Mastering the Art of Master Planning | 8/14/24 8:00 | 8/14/24 9:00 | 1:00 | 1.0 | | 1.0 | 1.0 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:05 | 8/14/24 10:35 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Unveiling the Power of | | | | · | | | |

| | 21ST Century FOG Management | 8/14/24 13:32 | 8/14/24 14:00 | 0:27 | 0.5 | | 0.5 | 0.5 |
|---------------|--|---------------|---------------|----------------|-----|-----|-----|-----|
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:05 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:20 | 8/14/24 15:55 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | Getting the Next Generation Excited about Wastewater | 8/14/24 15:58 | 8/14/24 16:25 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | Transforming Compliance Using Collaborative Technology | 8/14/24 16:29 | 8/14/24 16:57 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Ultra-Low Phosphorus Limits | 8/15/24 7:55 | 8/15/24 8:30 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:34 | 8/15/24 9:06 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:09 | 8/15/24 9:40 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | City of Kalamazoo's Holistic Approach to Selecting New Process Technologies | 8/15/24 9:41 | 8/15/24 10:50 | 1:09 | | 1.0 | 1.0 | 1.0 |
| Schutte, Matt | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:57 | 8/15/24 11:25 | 0:27 | | 0.5 | 0.5 | 0.5 |
| Schutte, Matt | Credits Requested: | | Total C | redits Earned | 1.0 | 1.5 | 2.5 | 2.5 |
| | | | Total C | reuits Earrieu | 1.0 | 1.5 | 2.5 | 2.5 |
| | Rate inequity: are your residents subsidizing the growth in your community? | 8/14/24 9:35 | 8/14/24 10:30 | 0:54 | | 1.0 | 1.0 | 1.0 |
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:31 | 8/14/24 11:04 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:34 | 8/14/24 14:00 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:03 | 8/14/24 14:35 | 0:32 | 0.5 | | 0.5 | 0.5 |
| Scott, lan | | | | | | | | |
| | Credits Requested: PDHs | | Total C | redits Earned | 3.5 | 0.5 | 4.0 | 4.0 |
| | Adapt and Overcome: Challenges of Rehabilitating a | 8/14/24 7:56 | 8/14/24 8:22 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | 90-inch Sewer | | | | | | | |
| | | 8/14/24 8:26 | 8/14/24 9:00 | 0:34 | 0.5 | | 0.5 | 0.5 |

| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:24 | 8/14/24 10:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
|-----------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:03 | 8/14/24 10:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:26 | 8/14/24 11:05 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | Foster Park Relief Sewer — Indian Village CSO 005 Connection | 8/14/24 13:30 | 8/14/24 14:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:03 | 8/14/24 14:30 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:18 | 8/14/24 15:55 | 0:36 | | 0.5 | 0.5 | 0.5 |
| Selig, Joshua | | | | | 4.0 | | 1.0 | 1.0 |
| | Credits Requested: PDHs | | Total C | redits Earned | 1.0 | 0.0 | 1.0 | 1.0 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:24 | 8/14/24 10:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:28 | 8/14/24 11:05 | 0:37 | 0.5 | | 0.5 | 0.5 |
| Selking, Lauren | | | | | | | | _ |
| | Credits Requested: | | | redits Earned | 1.0 | 0.0 | 1.0 | 1.0 |
| | Fail | 8/13/24 10:45 | 8/13/24 11:41 | 0:56 | 1.0 | | 1.0 | 1.0 |
| Serowka, Edward | Credits Requested: | | Total C | redits Earned | 2.0 | 1.5 | 3.5 | 3.5 |
| | Mastering the Art of Master Planning | 8/14/24 7:52 | 8/14/24 9:00 | 1:08 | 1.0 | | 1.0 | 1.0 |
| | Rate inequity: are your residents subsidizing the growth in your community? | 8/14/24 9:23 | 8/14/24 10:30 | 1:06 | | 1.0 | 1.0 | 1.0 |
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:32 | 8/14/24 11:04 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | 50 Years Later and SND Still Works | 8/14/24 13:25 | 8/14/24 14:01 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | | |

| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:03 | 8/14/24 14:35 | 0:32 | 0.5 | | 0.5 | 0.5 |
|---------------|--|---------------|---------------|---------------|-----|-----|------|------|
| Shane, Serena | Credits Requested: | | Total C | redits Earned | 7.0 | 4.0 | 11.0 | 11.0 |
| | Welcome & Keynote Address | 8/13/24 7:55 | 8/13/24 9:00 | 1:05 | | 1.0 | 1.0 | 1.0 |
| | Operator Certification Update | 8/13/24 10:44 | 8/13/24 11:10 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap | 8/13/24 11:07 | 8/13/24 11:43 | 0:35 | | 0.5 | 0.5 | 0.5 |
| | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks | 8/13/24 13:24 | 8/13/24 13:54 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:00 | 8/13/24 14:30 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 16:00 | 8/13/24 16:27 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:32 | 8/13/24 16:58 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | Out In The Field Not In A Book | 8/14/24 8:00 | 8/14/24 8:57 | 0:56 | 1.0 | | 1.0 | 1.0 |
| | Water Treatment Regulatory Terms & Definitions | 8/14/24 9:25 | 8/14/24 10:00 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Challenges In The Field | 8/14/24 10:02 | 8/14/24 10:57 | 0:54 | 1.0 | | 1.0 | 1.0 |
| | IU Permits and Applying the Combined Wastestream Formula | 8/14/24 14:07 | 8/14/24 14:35 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Enforcement Response Plan, Violations, and Significant Non- Compliance | 8/14/24 15:16 | 8/14/24 16:15 | 0:58 | 1.0 | | 1.0 | 1.0 |
| | Tips for Labs that you may not know | 8/15/24 7:54 | 8/15/24 8:30 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | IWEA WASTEWATER LABORATORY ANALYST CERTIFICATION | 8/15/24 8:34 | 8/15/24 9:01 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Basics of pH | 8/15/24 9:44 | 8/15/24 10:15 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | A case for better lab results | 8/15/24 10:15 | 8/15/24 10:47 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories | 8/15/24 10:57 | 8/15/24 11:55 | 0:58 | 1.0 | | 1.0 | 1.0 |
| arpe, Alex | Credits Requested: | | Total C | redits Earned | 2.0 | 0.0 | 2.0 | 2.0 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:52 | 8/14/24 8:23 | 0:30 | 0.5 | | 0.5 | 0.5 |

| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:25 | 8/14/24 10:00 | 0:34 | 0.5 | | 0.5 | 0.5 |
|-----------------|---|--------------------|---------------|---------------------------------------|----------|-----|------|------|
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:09 | 8/14/24 10:35 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:30 | 8/14/24 11:05 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Sheehan, Alexis | Credits Requested: | | Total C | redits Earned | 3.5 | 2.0 | 5.5 | 5.5 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:27 | 8/13/24 14:01 | 0:33 | <u> </u> | 0.5 | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:04 | 8/13/24 14:30 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:59 | 8/13/24 15:27 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | The Danish story of using low- hanging-fruit to reduce energy, carbon, and resourcesgy and carbon | 8/13/24 15:58 | 8/13/24 16:56 | 0:57 | 1.0 | | 1.0 | 1.0 |
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:04 | 8/14/24 11:00 | 0:56 | | 1.0 | 1.0 | 1.0 |
| | 50 Years Later and SND Still Works | 8/14/24 13:30 | 8/14/24 14:02 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:04 | 8/14/24 14:30 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:16 | 8/14/24 15:55 | 0:39 | | 0.5 | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:57 | 8/14/24 16:26 | 0:28 | 0.5 | | 0.5 | 0.5 |
| Shelton, Lewis | Credits Requested: Drinkin | g Water Wastewater | Total C | redits Earned | 8.0 | 4.5 | 12.5 | 12.5 |
| | Welcome & Keynote Address | 8/13/24 7:50 | 8/13/24 9:00 | 1:09 | 0.0 | 1.0 | 1.0 | 1.0 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:36 | 8/13/24 11:42 | 1:05 | 1.0 | | 1.0 | 1.0 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:29 | 8/13/24 13:57 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | | | | · · · · · · · · · · · · · · · · · · · | | | | |

| Understanding the Mechanistic Pathways in Sub and | | | | | | | |
|---|---------------|---------------|------|-----|-----|-----|-----|
| Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 14:03 | 8/13/24 14:28 | 0:25 | 0.5 | | 0.5 | 0.5 |
| Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 15:02 | 8/13/24 15:27 | 0:25 | 0.5 | | 0.5 | 0.5 |
| IDEM Update | 8/13/24 15:54 | 8/13/24 16:27 | 0:33 | | 0.5 | 0.5 | 0.5 |
| The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:31 | 8/13/24 16:57 | 0:26 | | 0.5 | 0.5 | 0.5 |
| Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:55 | 8/14/24 8:26 | 0:30 | 0.5 | | 0.5 | 0.5 |
| Hydraulic Modeling - What is it good for? | 8/14/24 8:29 | 8/14/24 9:00 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Rate inequity: are your residents subsidizing the growth in your community? | 8/14/24 9:28 | 8/14/24 10:30 | 1:01 | | 1.0 | 1.0 | 1.0 |
| Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:33 | 8/14/24 11:04 | 0:30 | | 0.5 | 0.5 | 0.5 |
| Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:32 | 8/14/24 14:00 | 0:28 | 0.5 | | 0.5 | 0.5 |
| Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:04 | 8/14/24 14:30 | 0:26 | 0.5 | | 0.5 | 0.5 |
| A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:18 | 8/14/24 15:55 | 0:36 | | 0.5 | 0.5 | 0.5 |
| Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:55 | 8/14/24 16:26 | 0:30 | 0.5 | | 0.5 | 0.5 |
| Leading Change | 8/14/24 16:28 | 8/14/24 16:58 | 0:29 | | 0.5 | 0.5 | 0.5 |
| Tips for Labs that you may not know | 8/15/24 7:59 | 8/15/24 8:30 | 0:31 | 0.5 | | 0.5 | 0.5 |
| IWEA WASTEWATER LABORATORY ANALYST CERTIFICATION | 8/15/24 8:41 | 8/15/24 9:01 | 0:19 | | 0.0 | 0.0 | 0.0 |
| Primary Clarifier Sludge and Scum | 8/15/24 9:08 | 8/15/24 9:40 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:41 | 8/15/24 10:15 | 0:33 | 0.5 | | 0.5 | 0.5 |

| | A case for better lab results | 8/15/24 10:18 | 8/15/24 10:47 | 0:28 | 0.5 | | 0.5 | 0.5 |
|--------------|---|---------------|---------------|---------------|-----|-----|------|------|
| | Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories | 8/15/24 11:01 | 8/15/24 11:55 | 0:53 | 1.0 | | 1.0 | 1.0 |
| Shields, Jim | Cradita Paguastade DDHs | | Total C | redits Earned | 8.0 | 5.5 | 13.5 | 13.5 |
| | Credits Requested: PDHs Welcome & Keynote Address | 8/13/24 8:05 | 8/13/24 9:00 | 0:54 | 0.0 | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:15 | 1:04 | | 1.0 | 1.0 | 1.0 |
| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:37 | 8/13/24 11:41 | 1:03 | 1.0 | | 1.0 | 1.0 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:31 | 8/13/24 13:59 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:04 | 8/13/24 14:30 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 15:00 | 8/13/24 15:28 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 15:56 | 8/13/24 16:29 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | Forecasting Urban Water Escherichia coli Contamination Using Machine Learning Models | 8/13/24 16:27 | 8/13/24 17:00 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | Mastering the Art of Master Planning | 8/14/24 7:59 | 8/14/24 9:00 | 1:01 | 1.0 | | 1.0 | 1.0 |
| | Rate inequity: are your residents subsidizing the growth in your community? | 8/14/24 9:30 | 8/14/24 10:30 | 0:59 | | 1.0 | 1.0 | 1.0 |
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:31 | 8/14/24 11:04 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | 50 Years Later and SND Still Works | 8/14/24 13:31 | 8/14/24 14:02 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:05 | 8/14/24 14:30 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:17 | 8/14/24 15:55 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:49 | 8/14/24 16:26 | 0:36 | 0.5 | | 0.5 | 0.5 |

| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:27 | 8/14/24 16:55 | 0:28 | 0.5 | | 0.5 | 0.5 |
|-----------------------------|---|--|--|--|-------------------|-----|-------------------|-------------------|
| | Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility | 8/15/24 7:56 | 8/15/24 8:30 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:28 | 8/15/24 9:06 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:10 | 8/15/24 9:40 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:40 | 8/15/24 10:15 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Keeping pace with current dynamic state of UV disinfection. An overview of different style UV systems, and what are the drivers when picking between technologies. | 8/15/24 10:13 | 8/15/24 11:30 | 1:17 | 1.0 | | 1.0 | 1.0 |
| | | | | | | | | |
| Shook, David | Cradita Paguastada | | Total C | radits Farnad | 1.5 | 0.5 | 2.0 | 2.0 |
| Shook, David | Credits Requested: | | Total C | redits Earned | 1.5 | 0.5 | 2.0 | 2.0 |
| Shook, David | Credits Requested: Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:31 | Total C | redits Earned | 1.5 | 0.5 | 2.0 | 2.0 |
| Shook, David | Critical Maintenance Techniques | 8/13/24 10:31 8/13/24 13:23 | | | | 0.5 | | |
| | Critical Maintenance Techniques Your Plant may be over looking Eliminating the Spreadsheet Safaris: Crafting Calculation | | 8/13/24 11:42 | 1:10 | | | 1.0 | 1.0 |
| Shook, David Shoulders, Ben | Critical Maintenance Techniques Your Plant may be over looking Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks Optimizing Final Clarifiers — From Concept to Demonstrated Performance | 8/13/24 13:23 | 8/13/24 11:42 8/13/24 13:54 8/13/24 14:30 | 1:10 0:30 0:29 | 0.5 | 0.5 | 0.5 0.5 | 0.5 0.5 |
| | Critical Maintenance Techniques Your Plant may be over looking Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks Optimizing Final Clarifiers — From Concept to Demonstrated | 8/13/24 13:23 | 8/13/24 11:42 8/13/24 13:54 8/13/24 14:30 | 1:10 0:30 | 1.0 | | 0.5 | 0.5 |
| | Critical Maintenance Techniques Your Plant may be over looking Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks Optimizing Final Clarifiers — From Concept to Demonstrated Performance Credits Requested: Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/13/24 13:23 8/13/24 14:00 8/14/24 14:04 | 8/13/24 11:42 8/13/24 13:54 8/13/24 14:30 Total C 8/14/24 14:30 | 1:10 0:30 0:29 Fredits Earned | 0.5 0.5 0.5 | 0.5 | 0.5 0.5 0.5 | 0.5 0.5 0.5 |
| Shoulders, Ben | Critical Maintenance Techniques Your Plant may be over looking Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks Optimizing Final Clarifiers – From Concept to Demonstrated Performance Credits Requested: Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, | 8/13/24 13:23 8/13/24 14:00 8/14/24 14:04 g Water, Wastewater | 8/13/24 11:42 8/13/24 13:54 8/13/24 14:30 Total C | 1:10 0:30 0:29 | 0.5 | 0.5 | 0.5 0.5 | 0.5 0.5 0.5 |
| Shoulders, Ben | Critical Maintenance Techniques Your Plant may be over looking Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks Optimizing Final Clarifiers — From Concept to Demonstrated Performance Credits Requested: Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/13/24 13:23 8/13/24 14:00 8/14/24 14:04 | 8/13/24 11:42 8/13/24 13:54 8/13/24 14:30 Total C 8/14/24 14:30 | 1:10 0:30 0:29 Fredits Earned | 0.5 0.5 0.5 | 0.5 | 0.5 0.5 0.5 | 0.5 0.5 0.5 |

| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:23 | 8/13/24 13:59 | 0:36 | 0.5 | | 0.5 | 0.5 |
|----------------|---|--|--|------------------------------|-----|-------------------|--------------------------|--------------------|
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:02 | 8/13/24 14:30 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:53 | 8/13/24 16:55 | 1:01 | 1.0 | | 1.0 | 1.0 |
| | Energy Efficient Retrofits of Oxidation ditches | 8/14/24 8:00 | 8/14/24 8:26 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Water and Wastewater Workforce Development – Is your community ready for the challenge? | 8/14/24 13:25 | 8/14/24 14:30 | 1:04 | | 1.0 | 1.0 | 1.0 |
| | Ultra-Low Phosphorus Limits | 8/15/24 7:59 | 8/15/24 8:30 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:32 | 8/15/24 9:39 | 1:06 | 1.0 | | 1.0 | 1.0 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:45 | 8/15/24 10:15 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories | 8/15/24 10:59 | 8/15/24 11:55 | 0:56 | 1.0 | | 1.0 | 1.0 |
| | iii wastewater Eaboratories | | | | | | | |
| Shroyer, Macon | | water | Total C | redits Earned | 7.5 | 4.0 | 11.5 | 11.5 |
| Shroyer, Macon | Credits Requested: Waste | | | redits Earned | 7.5 | 4.0 | 11.5 | 11.5 |
| Shroyer, Macon | Credits Requested: Waste Welcome & Keynote Address | water 8/13/24 7:46 8/13/24 10:31 | Total C 8/13/24 9:00 8/13/24 11:06 | redits Earned 1:13 0:35 | 7.5 | 4.0 1.0 0.5 | 11.5 1.0 0.5 | 11.5 1.0 0.5 |
| Shroyer, Macon | Credits Requested: Waste | 8/13/24 7:46 | 8/13/24 9:00 | 1:13 | 7.5 | 1.0 | 1.0 | 1.0 |
| Shroyer, Macon | Credits Requested: Waster Welcome & Keynote Address Operator Certification Update Advancing Better Water Policy and Strategies: The Indiana | 8/13/24 7:46 8/13/24 10:31 | 8/13/24 9:00 8/13/24 11:06 | 1:13 0:35 | 0.5 | 1.0 0.5 | 1.0 0.5 | 1.0 0.5 |
| Shroyer, Macon | Credits Requested: Waster Welcome & Keynote Address Operator Certification Update Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap Peracetic Acid for Wastewater Disinfection & The Benefits to | 8/13/24 7:46 8/13/24 10:31 8/13/24 11:07 | 8/13/24 9:00 8/13/24 11:06 8/13/24 11:43 | 1:13 0:35 0:35 | | 1.0 0.5 | 1.0 0.5 0.5 | 1.0 0.5 0.5 |
| Shroyer, Macon | Credits Requested: Waster Welcome & Keynote Address Operator Certification Update Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants Total Nitrogen Treatment — What is Required vs. What is | 8/13/24 7:46 8/13/24 10:31 8/13/24 11:07 8/13/24 13:24 | 8/13/24 9:00 8/13/24 11:06 8/13/24 11:43 8/13/24 13:59 | 1:13 0:35 0:35 | 0.5 | 1.0 0.5 | 1.0 0.5 0.5 | 1.0 0.5 0.5 |
| Shroyer, Macon | Credits Requested: Waster Welcome & Keynote Address Operator Certification Update Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants Total Nitrogen Treatment — | 8/13/24 7:46 8/13/24 10:31 8/13/24 11:07 8/13/24 13:24 8/13/24 13:59 | 8/13/24 9:00 8/13/24 11:06 8/13/24 11:43 8/13/24 13:59 8/13/24 14:26 | 1:13 0:35 0:35 0:35 | 0.5 | 1.0 0.5 | 1.0 0.5 0.5 0.5 | 0.5 0.5 0.5 |

| | Rate inequity: are your residents subsidizing the growth in your community? | 8/14/24 9:26 | 8/14/24 10:30 | 1:03 | | 1.0 | 1.0 | 1.0 |
|--------------|--|---------------|---------------|---------------|-----|-----|-----|-----|
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:31 | 8/14/24 11:04 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | 50 Years Later and SND Still Works | 8/14/24 13:30 | 8/14/24 14:02 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | IU Permits and Applying the Combined Wastestream Formula | 8/14/24 14:05 | 8/14/24 14:35 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Enforcement Response Plan, Violations, and Significant Non- Compliance | 8/14/24 15:14 | 8/14/24 16:15 | 1:00 | 1.0 | | 1.0 | 1.0 |
| | Tips for Labs that you may not know | 8/15/24 7:54 | 8/15/24 8:30 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Emergency Preparedness and Procedures | 8/15/24 8:33 | 8/15/24 9:10 | 0:36 | | 0.5 | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:11 | 8/15/24 9:40 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:39 | 8/15/24 10:15 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | A case for better lab results | 8/15/24 10:20 | 8/15/24 10:47 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories | 8/15/24 10:56 | 8/15/24 11:55 | 0:58 | 1.0 | | 1.0 | 1.0 |
| Sidler, Ryan | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 2.0 | 4.0 | 6.0 | 6.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:41 | 8/13/24 11:10 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:07 | 8/13/24 11:49 | 0:42 | 0.5 | | 0.5 | 0.5 |
| | Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap | 8/13/24 11:08 | 8/13/24 11:42 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:31 | 8/13/24 14:01 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | | - | | | | | | |

| | Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | 8/13/24 13:59 | 8/13/24 14:31 | 0:31 | | 0.5 | 0.5 | 0.5 |
|------------------|--|---------------|---------------|---------------|-----|-----|-----|-----|
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:49 | 8/13/24 15:25 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:57 | 8/13/24 16:27 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:31 | 8/13/24 16:57 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | Mastering the Art of Master Planning | 8/14/24 8:11 | 8/14/24 9:00 | 0:49 | 0.5 | | 0.5 | 0.5 |
| | Rate inequity: are your residents subsidizing the growth in your community? | 8/14/24 9:29 | 8/14/24 10:30 | 1:00 | | 1.0 | 1.0 | 1.0 |
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:34 | 8/14/24 11:04 | 0:29 | | 0.5 | 0.5 | 0.5 |
| Siedlecki, Kevin | Credits Requested: PDHs | | Total C | redits Earned | 2.5 | 3.0 | 5.5 | 5.5 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:35 | 8/13/24 11:10 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap | 8/13/24 11:10 | 8/13/24 11:42 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:32 | 8/13/24 14:01 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:03 | 8/13/24 14:31 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 15:00 | 8/13/24 15:25 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:58 | 8/13/24 16:27 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:55 | 8/14/24 8:23 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:26 | 8/14/24 9:00 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:30 | 8/14/24 10:00 | 0:29 | 0.5 | | 0.5 | 0.5 |

| | Water and Wastewater Workforce Development – Is your community ready for the challenge? | 8/14/24 13:31 | 8/14/24 14:30 | 0:58 | | 1.0 | 1.0 | 1.0 |
|-----------------|--|---------------|---------------|---------------|-----|-----|------|------|
| Simnick, Hannah | Credits Requested: | | Total C | redits Earned | 1.0 | 0.0 | 1.0 | 1.0 |
| | Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories | 8/15/24 10:58 | 8/15/24 11:55 | 0:56 | 1.0 | 0.0 | 1.0 | 1.0 |
| Skirvin, Brett | Credits Requested: Wastev | water | Total C | redits Earned | 9.5 | 3.5 | 13.0 | 13.0 |
| | Welcome & Keynote Address | 8/13/24 7:50 | 8/13/24 9:00 | 1:09 | 9.0 | 1.0 | 1.0 | 1.0 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:35 | 8/13/24 11:42 | 1:06 | 1.0 | | 1.0 | 1.0 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:25 | 8/13/24 13:57 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:04 | 8/13/24 14:31 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures | 8/13/24 15:03 | 8/13/24 15:28 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:52 | 8/13/24 16:55 | 1:02 | 1.0 | | 1.0 | 1.0 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 8:02 | 8/14/24 8:30 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:29 | 8/14/24 9:00 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:27 | 8/14/24 10:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:05 | 8/14/24 11:00 | 0:54 | | 1.0 | 1.0 | 1.0 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:23 | 8/14/24 14:00 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:05 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |

| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:24 | 8/14/24 14:00 | 0:36 | 0.5 | | 0.5 | 0.5 |
|-------------|--|---------------|---------------|---------------|-----|-----|-----|-----|
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:03 | 8/14/24 10:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:32 | 8/13/24 11:10 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Welcome & Keynote Address | 8/13/24 8:05 | 8/13/24 9:00 | 0:54 | | 1.0 | 1.0 | 1.0 |
| | Credits Requested: | | | redits Earned | 1.5 | 1.0 | 2.5 | 2.5 |
| mart, Steve | | | | | | | | |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:27 | 8/13/24 14:01 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | Credits Requested: PDHs | | Total C | redits Earned | 0.0 | 0.5 | 0.5 | 0.5 |
| locum, Mike | Wyoming Clean Water Plant | | | | | | | |
| | UPDATED - Emergency Replacement of a Blower During a Planning Project at the | 8/15/24 11:22 | 8/15/24 11:57 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:59 | 8/15/24 11:25 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:09 | 8/15/24 10:47 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:41 | 8/15/24 10:15 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:08 | 8/15/24 9:40 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:29 | 8/15/24 9:06 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility | 8/15/24 7:54 | 8/15/24 8:30 | 0:36 | | 0.5 | 0.5 | 0.5 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:27 | 8/14/24 16:55 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:52 | 8/14/24 16:26 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:15 | 8/14/24 15:55 | 0:39 | 0.5 | | 0.5 | 0.5 |

| | Credits Requested: | | Total C | redits Earned | 4.0 | 1.0 | 5.0 | 5.0 |
|-------------|---|---------------|---------------|----------------|-----|-----|-----|-----|
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:37 | 8/13/24 11:10 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:08 | 8/13/24 11:49 | 0:40 | 0.5 | | 0.5 | 0.5 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:27 | 8/13/24 13:59 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:01 | 8/13/24 14:30 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:59 | 8/13/24 15:25 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 16:01 | 8/13/24 16:27 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:31 | 8/13/24 16:57 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:29 | 8/14/24 14:00 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:03 | 8/14/24 14:35 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:17 | 8/14/24 15:55 | 0:38 | 0.5 | | 0.5 | 0.5 |
| Smith, Katy | | | = | | 0.0 | 0.5 | 2.5 | 2.5 |
| | Credits Requested: | | I otal C | Credits Earned | 2.0 | 0.5 | 2.5 | 2.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:29 | 8/14/24 10:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:01 | 8/14/24 10:35 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:27 | 8/14/24 11:05 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:27 | 8/14/24 14:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:15 | 8/14/24 15:55 | 0:39 | | 0.5 | 0.5 | 0.5 |

| nith, Kenneth | Credits Requested: Drinkin | a Matar Masteriate | Total C | redits Earned | 7.5 | 1.0 | 8.5 | 8.5 |
|---------------|--|--------------------|---------------|---------------|-----|-----|----------|-----|
| | Welcome & Keynote Address | 8/13/24 7:56 | 8/13/24 9:00 | 1:03 | 7.5 | 1.0 | 1.0 | 1.0 |
| | | · · | · · | | | 1.0 | <u> </u> | |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:38 | 8/13/24 11:42 | 1:03 | 1.0 | | 1.0 | 1.0 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:25 | 8/13/24 13:59 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:02 | 8/13/24 14:30 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:57 | 8/13/24 15:25 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:53 | 8/13/24 16:55 | 1:01 | 1.0 | | 1.0 | 1.0 |
| | 50 Years Later and SND Still Works | 8/14/24 13:25 | 8/14/24 14:02 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:05 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:17 | 8/14/24 15:55 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:50 | 8/14/24 16:26 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:27 | 8/14/24 16:55 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:07 | 8/15/24 9:40 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:37 | 8/15/24 10:15 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:11 | 8/15/24 10:47 | 0:35 | 0.5 | | 0.5 | 0.5 |
| h, Kevin | | | = | 11. = 1 | 0.5 | 4.5 | 7.0 | 7.0 |
| | Credits Requested: | 0/44/04 0 07 | | redits Earned | 2.5 | 4.5 | 7.0 | 7.0 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:27 | 8/14/24 9:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:30 | 8/14/24 10:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:05 | 8/14/24 11:00 | 0:55 | | 1.0 | 1.0 | 1.0 |

| | Water and Wastewater Workforce Development – Is your community ready for the challenge? | 8/14/24 13:25 | 8/14/24 14:30 | 1:05 | | 1.0 | 1.0 | 1.0 |
|-----------------|---|---|---|----------------------|------|-----|-------------------|-------------------|
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:16 | 8/14/24 15:55 | 0:38 | | 0.5 | 0.5 | 0.5 |
| | Getting the Next Generation Excited about Wastewater | 8/14/24 15:56 | 8/14/24 16:25 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Wastewater Challenge Demonstration | 8/14/24 16:30 | 8/14/24 16:55 | 0:24 | | 0.5 | 0.5 | 0.5 |
| | Electrical Safety for Wastewater Operators and Maintenance Personnel | 8/15/24 7:56 | 8/15/24 8:30 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:33 | 8/15/24 9:39 | 1:05 | 1.0 | | 1.0 | 1.0 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:39 | 8/15/24 10:15 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 11:00 | 8/15/24 11:25 | 0:25 | | 0.5 | 0.5 | 0.5 |
| Smith, Michelle | Credits Requested: Drinkin | a Water Wastewater | Total C | redits Earned | 10.0 | 2.0 | 12.0 | 12.0 |
| | Welcome & Keynote Address | 8/13/24 7:56 | 8/13/24 9:00 | 1:03 | 10.0 | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:15 | 1:04 | | 1.0 | 1.0 | 1.0 |
| | Biosolids: Fail to Plan; Plan to | 8/13/24 10:38 | | | | | | |
| | Fail | 8/13/24 10.38 | 8/13/24 11:41 | 1:03 | 1.0 | | 1.0 | 1.0 |
| | Fail Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:25 | 8/13/24 11:41 8/13/24 13:55 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to | <u> </u> | | | | | | |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities Optimizing Final Clarifiers – From Concept to Demonstrated | 8/13/24 13:25 | 8/13/24 13:55 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities Optimizing Final Clarifiers — From Concept to Demonstrated Performance Total Nitrogen Treatment — What is Required vs. What is | 8/13/24 13:25 8/13/24 14:02 | 8/13/24 13:55 8/13/24 14:30 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities Optimizing Final Clarifiers — From Concept to Demonstrated Performance Total Nitrogen Treatment — What is Required vs. What is Realistic Whole Effluent Toxicity (WET) Testing Requirements for | 8/13/24 13:25 8/13/24 14:02 8/13/24 14:56 | 8/13/24 13:55 8/13/24 14:30 8/13/24 15:27 | 0:30 0:28 0:30 | 0.5 | | 0.5 0.5 0.5 | 0.5 0.5 0.5 |

| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:32 | 8/14/24 10:00 | 0:27 | 0.5 | | 0.5 | 0.5 |
|-----------------|---|---|--|------------------------------------|------------------------------|-----|---|---|
| | Challenges In The Field | 8/14/24 10:02 | 8/14/24 10:57 | 0:55 | 1.0 | | 1.0 | 1.0 |
| | 21ST Century FOG Management | 8/14/24 13:20 | 8/14/24 14:00 | 0:40 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:02 | 8/14/24 14:30 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:24 | 8/14/24 15:55 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:51 | 8/14/24 16:26 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Enhancing the absorption capacity of GAC to remove PFAS from water | 8/14/24 16:28 | 8/14/24 16:55 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Tips for Labs that you may not know | 8/15/24 8:00 | 8/15/24 8:30 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:32 | 8/15/24 9:06 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Flexing Your Procurement | 0/45/24 0 07 | -11 | | | | 0.5 | 0.5 |
| | Muscle | 8/15/24 9:07 | 8/15/24 9:38 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Smith, Nicholas | Muscle | | | | | | | |
| Smith, Nicholas | | | | redits Earned | 7.5 | 1.0 | 8.5 | 8.5 |
| Smith, Nicholas | Muscle | | | | | 1.0 | | |
| Smith, Nicholas | Credits Requested: Waster Critical Maintenance Techniques | water | Total C | redits Earned | 7.5 | 1.0 | 8.5 | 8.5 |
| Smith, Nicholas | Critical Maintenance Techniques Your Plant may be over looking Peracetic Acid for Wastewater Disinfection & The Benefits to | water 8/13/24 10:27 | Total C 8/13/24 11:42 | redits Earned | 7.5 | 1.0 | 8.5 | 8.5 |
| Smith, Nicholas | Credits Requested: Waster Critical Maintenance Techniques Your Plant may be over looking Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities Whole Effluent Toxicity (WET) Testing Requirements for | 8/13/24 10:27 8/13/24 13:23 | 8/13/24 11:42 8/13/24 13:55 | 1:14 0:32 | 7.5 | 1.0 | 8.5 1.0 0.5 | 8.5 1.0 0.5 |
| Smith, Nicholas | Credits Requested: Waster Critical Maintenance Techniques Your Plant may be over looking Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits Energy Efficient Retrofits of | 8/13/24 10:27 8/13/24 13:23 8/13/24 15:56 | 8/13/24 11:42 8/13/24 13:55 8/13/24 16:55 | 1:14 0:32 0:58 | 7.5 1.0 0.5 | 1.0 | 8.5 1.0 0.5 | 8.5 1.0 0.5 |
| Smith, Nicholas | Credits Requested: Waster Critical Maintenance Techniques Your Plant may be over looking Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits Energy Efficient Retrofits of Oxidation ditches | 8/13/24 10:27 8/13/24 13:23 8/13/24 15:56 8/14/24 7:49 | 8/13/24 11:42 8/13/24 13:55 8/13/24 16:55 8/14/24 8:26 | 1:14 0:32 0:58 0:37 | 7.5 1.0 0.5 1.0 | 1.0 | 8.5 1.0 0.5 1.0 | 8.5 1.0 0.5 1.0 |
| Smith, Nicholas | Credits Requested: Waster Critical Maintenance Techniques Your Plant may be over looking Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits Energy Efficient Retrofits of Oxidation ditches Benefits of Big Bubble Mixing WWTP Non-Potable Water Systems – The Neglected Plant | 8/13/24 10:27 8/13/24 13:23 8/13/24 15:56 8/14/24 7:49 8/14/24 8:27 | 8/13/24 11:42 8/13/24 13:55 8/13/24 16:55 8/14/24 8:26 8/14/24 9:00 | 1:14 0:32 0:58 0:37 0:32 | 7.5 1.0 0.5 1.0 0.5 0.5 | 1.0 | 8.5 1.0 0.5 1.0 0.5 0.5 | 8.5 1.0 0.5 1.0 0.5 0.5 |
| Smith, Nicholas | Credits Requested: Waster Critical Maintenance Techniques Your Plant may be over looking Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits Energy Efficient Retrofits of Oxidation ditches Benefits of Big Bubble Mixing WWTP Non-Potable Water Systems – The Neglected Plant Process Using your data and SCADA for | 8/13/24 10:27 8/13/24 13:23 8/13/24 15:56 8/14/24 7:49 8/14/24 8:27 8/14/24 9:24 | 8/13/24 11:42 8/13/24 13:55 8/13/24 16:55 8/14/24 8:26 8/14/24 9:00 8/14/24 10:00 | 1:14 0:32 0:58 0:37 0:32 0:35 | 7.5 1.0 0.5 1.0 0.5 0.5 | | 8.5 1.0 0.5 1.0 0.5 0.5 0.5 | 8.5 1.0 0.5 1.0 0.5 0.5 0.5 |

| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:03 | 8/14/24 14:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
|-------------|--|---------------|---------------|---------------|-----|-----|-----|-----|
| | Ultra-Low Phosphorus Limits | 8/15/24 7:50 | 8/15/24 8:30 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:32 | 8/15/24 9:39 | 1:07 | 1.0 | | 1.0 | 1.0 |
| | Basics of pH | 8/15/24 9:44 | 8/15/24 10:15 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:16 | 8/15/24 10:47 | 0:30 | 0.5 | | 0.5 | 0.5 |
| th, Sharnta | | | | | | | | |
| | Credits Requested: Waster | water | Total C | redits Earned | 7.0 | 2.5 | 9.5 | 9.5 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:15 | 1:04 | | 1.0 | 1.0 | 1.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:30 | 8/13/24 11:10 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:07 | 8/13/24 11:49 | 0:42 | 0.5 | | 0.5 | 0.5 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:16 | 8/13/24 14:00 | 0:43 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:00 | 8/13/24 14:30 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:30 | 8/14/24 9:00 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:26 | 8/14/24 10:00 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:02 | 8/14/24 11:00 | 0:57 | | 1.0 | 1.0 | 1.0 |
| | 50 Years Later and SND Still Works | 8/14/24 13:25 | 8/14/24 14:02 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:03 | 8/14/24 14:35 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Ultra-Low Phosphorus Limits | 8/15/24 8:03 | 8/15/24 8:30 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:39 | 8/15/24 9:39 | 1:00 | 1.0 | | 1.0 | 1.0 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:41 | 8/15/24 10:15 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:13 | 8/15/24 10:47 | 0:33 | 0.5 | | 0.5 | 0.5 |

| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:53 | 8/15/24 11:25 | 0:31 | | 0.5 | 0.5 | 0.5 |
|-----------------|--|-----------------|-----------------|---------------|-----|-----|-----|-----|
| | Grit Happens - Sustainable Solutions for Grit Management At WWTPs | 8/15/24 11:21 | 8/15/24 11:55 | 0:34 | 0.5 | | 0.5 | 0.5 |
| Smitley, Amy | | | | | | | _ | _ |
| | Credits Requested: | | Total C | redits Earned | 2.5 | 1.0 | 3.5 | 3.5 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:42 | 8/13/24 11:10 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:12 | 8/13/24 11:49 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:30 | 8/13/24 13:59 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:02 | 8/13/24 14:30 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:55 | 8/13/24 15:27 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 15:58 | 8/13/24 16:29 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:32 | 8/13/24 16:57 | 0:25 | | 0.5 | 0.5 | 0.5 |
| Snyder, Mike | | | | | | | | |
| | Credits Requested: | | | redits Earned | 0.0 | 1.0 | 1.0 | 1.0 |
| 0.11. 0.1 | Welcome & Keynote Address | 8/13/24 7:51 | 8/13/24 9:00 | 1:08 | | 1.0 | 1.0 | 1.0 |
| Solis, Andy | Credits Requested: | | Total C | redits Earned | 0.0 | 1.0 | 1.0 | 1.0 |
| | Welcome & Keynote Address | 8/13/24 8:10 | 8/13/24 9:00 | 0:50 | 0.0 | 1.0 | 1.0 | 1.0 |
| Soller, Michael | Welcome & Reynote Madress | 3/ 13/ 2 : 3:12 | 5/ 15/ 2 1 5/50 | 0.50 | | 1.0 | 1.0 | |
| | Credits Requested: PDHs | | Total C | redits Earned | 2.0 | 2.5 | 4.5 | 4.5 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:30 | 8/13/24 13:57 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | 8/13/24 13:57 | 8/13/24 14:31 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 15:00 | 8/13/24 15:25 | 0:24 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | | |

| SRF Basics | 0.5 0.5 1.0 0.5 |
|--|--------------------------|
| Escherichia coli Contamination Using Machine Learning Models Rate inequity: are your residents subsidizing the growth in your community? Foster Park Relief Sewer — Indian Village CSO 005 Connection Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana South, Gerald | 1.0 0.5 0.5 |
| subsidizing the growth in your 8/14/24 9:31 8/14/24 10:30 0:58 1.0 1.0 community? Foster Park Relief Sewer — Indian Village CSO 005 8/14/24 13:31 8/14/24 14:00 0:29 0.5 0.5 Connection Critical Crossing: Gravity Sewer under a Ditch, Railroad, and 8/14/24 14:02 8/14/24 14:30 0:28 0.5 0.5 State Road in Greendale, Indiana South, Gerald | 0.5 |
| Indian Village CSO 005 8/14/24 13:31 8/14/24 14:00 0:29 0.5 0.5 Connection Critical Crossing: Gravity Sewer under a Ditch, Railroad, and 8/14/24 14:02 8/14/24 14:30 0:28 0.5 0.5 State Road in Greendale, Indiana South, Gerald | 0.5 |
| under a Ditch, Railroad, and 8/14/24 14:02 8/14/24 14:30 0:28 0.5 0.5 State Road in Greendale, Indiana South, Gerald | |
| | 0.0 |
| Credits Requested: PDHs 10tal Credits Earned 5.5 5.5 9.0 | |
| | 9.0 |
| Conversion of an underutilized combined sewer to a storm 8/13/24 10:35 8/13/24 11:10 0:34 0.5 0.5 sewer | 0.5 |
| In Case of Emergency: Keeping 8/13/24 11:14 8/13/24 11:49 0:35 0.5 0.5 Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 0.5 |
| Eliminating the Spreadsheet Safaris: Crafting Calculation 8/13/24 13:25 8/13/24 13:54 0:29 0.5 0.5 Workbooks | 0.5 |
| Regional Stormwater Detention 8/13/24 14:03 8/13/24 14:31 0:28 0.5 0.5 Basins – Treating urban runoff outside your project | 0.5 |
| Benefits of Partnering to Reduce 8/13/24 15:02 8/13/24 15:25 0:22 0.5 0.5 Inflow and Infiltration | 0.5 |
| IDEM Update 8/13/24 15:55 8/13/24 16:27 0:32 0.5 0.5 | 0.5 |
| Forecasting Urban Water 8/13/24 16:29 8/13/24 17:00 0:31 0.5 0.5 Escherichia coli Contamination Using Machine Learning Models | 0.5 |
| Hydraulic Modeling - What is it 8/14/24 8:28 8/14/24 9:00 0:32 0.5 0.5 good for? | 0.5 |
| Using AI, GIS & Digital Twins to 8/14/24 9:30 8/14/24 10:00 0:29 0.5 0.5 Drive Smarter Sewer Inspections | 0.5 |
| North Interceptor Sewer - 8/14/24 10:05 8/14/24 10:35 0:30 0.5 0.5 Danville, IN | 0.5 |

| | Water and Wastewater Workforce Development – Is your community ready for the challenge? | 8/14/24 13:37 | 8/14/24 14:30 | 0:52 | | 1.0 | 1.0 | 1.0 |
|----------------|--|--------------------------------|--------------------------------|---------------|-----|-----|-----|-----|
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:16 | 8/14/24 15:55 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:55 | 8/14/24 16:26 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:28 | 8/14/24 16:55 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:16 | 8/15/24 10:47 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:59 | 8/15/24 11:25 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | UPDATED - Emergency Replacement of a Blower During a Planning Project at the Wyoming Clean Water Plant | 8/15/24 11:22 | 8/15/24 11:57 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Sparks, Rachel | | | | | 4.5 | 4.0 | | |
| | Credits Requested: PDHs | | | redits Earned | 1.5 | 4.0 | 5.5 | 5.5 |
| | Welcome & Keynote Address | 8/13/24 8:08 | 8/13/24 9:00 | 0:51 | | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:15 | 1:04 | | 1.0 | 1.0 | 1.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:34 | 8/13/24 11:10 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing | 8/13/24 11:09 | 8/13/24 11:49 | 0:40 | 0.5 | | 0.5 | 0.5 |
| | Safely in Indianapolis, Indiana | | | | | | | |
| | Safely in Indianapolis, Indiana Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:27 | 8/13/24 14:01 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple | 8/13/24 13:27 8/13/24 14:03 | 8/13/24 14:01 8/13/24 14:31 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis Regional Stormwater Detention Basins – Treating urban runoff outside your project Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum | | | | 0.5 | | | |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis Regional Stormwater Detention Basins – Treating urban runoff outside your project Maximizing the Effectiveness of Your Public Education, Outreach | 8/13/24 14:03 | 8/13/24 14:31 | 0:28 | 0.5 | | 0.5 | 0.5 |

| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:31 | 8/13/24 16:57 | 0:26 | | 0.5 | 0.5 | 0.5 |
|--------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| Spieth, Adam | Credits Requested: PDHs | | Total C | redits Earned | 4.5 | 5.0 | 9.5 | 9.5 |
| | Welcome & Keynote Address | 8/13/24 7:46 | 8/13/24 9:00 | 1:13 | 4.5 | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:15 | 1:04 | | 1.0 | 1.0 | 1.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:37 | 8/13/24 11:10 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks | 8/13/24 13:23 | 8/13/24 13:54 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 14:58 | 8/13/24 15:28 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 15:56 | 8/13/24 16:29 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | Forecasting Urban Water Escherichia coli Contamination Using Machine Learning Models | 8/13/24 16:26 | 8/13/24 17:00 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | Mastering the Art of Master Planning | 8/14/24 7:58 | 8/14/24 9:00 | 1:01 | 1.0 | | 1.0 | 1.0 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:30 | 8/14/24 10:00 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:06 | 8/14/24 10:35 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:26 | 8/14/24 11:05 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:27 | 8/14/24 14:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:05 | 8/14/24 14:32 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:15 | 8/14/24 15:55 | 0:39 | | 0.5 | 0.5 | 0.5 |
| | Getting the Next Generation Excited about Wastewater | 8/14/24 15:59 | 8/14/24 16:25 | 0:25 | | 0.5 | 0.5 | 0.5 |

| | Enhancing the absorption capacity of GAC to remove PFAS from water | 8/14/24 16:29 | 8/14/24 16:55 | 0:25 | 0.5 | | 0.5 | 0.5 |
|-------------------|---|---------------|---------------|---------------|-----|-----|------|------|
| Sporleder, Joshua | Credits Requested: Waster | water | Total C | redits Earned | 8.5 | 2.0 | 10.5 | 10.5 |
| | Welcome & Keynote Address | 8/13/24 7:56 | 8/13/24 9:00 | 1:03 | 0.0 | 1.0 | 1.0 | 1.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:33 | 8/13/24 11:10 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:07 | 8/13/24 11:49 | 0:41 | 0.5 | | 0.5 | 0.5 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:24 | 8/13/24 13:55 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:02 | 8/13/24 14:30 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 14:58 | 8/13/24 15:28 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:55 | 8/13/24 16:55 | 0:59 | 1.0 | | 1.0 | 1.0 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:27 | 8/14/24 9:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:29 | 8/14/24 10:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:05 | 8/14/24 10:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:31 | 8/14/24 11:05 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Adaptive mixing and process optimization with energy savings | 8/14/24 15:17 | 8/14/24 15:50 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:56 | 8/14/24 16:26 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Transforming Compliance Using Collaborative Technology | 8/14/24 16:29 | 8/14/24 16:57 | 0:28 | 0.5 | | 0.5 | 0.5 |

| | Electrical Safety for Wastewater Operators and Maintenance Personnel | 8/15/24 7:59 | 8/15/24 8:30 | 0:30 | | 0.5 | 0.5 | 0.5 |
|------------------|--|---------------|---------------|---------------|-----|-----|------|------|
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:35 | 8/15/24 9:06 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:07 | 8/15/24 9:40 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:43 | 8/15/24 10:15 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:18 | 8/15/24 10:47 | 0:29 | 0.5 | | 0.5 | 0.5 |
| Staman, Payton | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 1.5 | 2.0 | 3.5 | 3.5 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:15 | 1:05 | | 1.0 | 1.0 | 1.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:30 | 8/13/24 11:10 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks | 8/13/24 13:24 | 8/13/24 13:54 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures | 8/13/24 14:59 | 8/13/24 15:26 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 15:01 | 8/13/24 15:25 | 0:24 | 0.5 | | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 15:57 | 8/13/24 16:29 | 0:32 | | 0.5 | 0.5 | 0.5 |
| Stanford, Steven | Credits Requested: Waste | water | Total C | redits Earned | 9.0 | 4.0 | 13.0 | 13.0 |
| | Welcome & Keynote Address | 8/13/24 7:45 | 8/13/24 9:00 | 1:14 | | 1.0 | 1.0 | 1.0 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:34 | 8/13/24 11:42 | 1:07 | 1.0 | | 1.0 | 1.0 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:21 | 8/13/24 13:57 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:03 | 8/13/24 14:31 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 14:57 | 8/13/24 15:28 | 0:30 | | 0.5 | 0.5 | 0.5 |

| | Credits Requested: Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:54 | Total C 8/14/24 8:23 | 0:28 | 0.5 | 0.0 | 0.5 | 0.5 |
|-------------|--|---------------|--------------------------------|------|-----|-----|-----|-----|
| Starr, Matt | UPDATED - Emergency Replacement of a Blower During a Planning Project at the Wyoming Clean Water Plant | 8/15/24 11:24 | 8/15/24 11:57 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:59 | 8/15/24 11:25 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | City of Kalamazoo's Holistic Approach to Selecting New Process Technologies | 8/15/24 9:45 | 8/15/24 10:50 | 1:05 | | 1.0 | 1.0 | 1.0 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:09 | 8/15/24 9:40 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:30 | 8/15/24 9:06 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility | 8/15/24 7:56 | 8/15/24 8:30 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | Enhancing the absorption capacity of GAC to remove PFAS from water | 8/14/24 16:23 | 8/14/24 16:55 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Enforcement Response Plan, Violations, and Significant Non- Compliance | 8/14/24 15:16 | 8/14/24 16:15 | 0:58 | 1.0 | | 1.0 | 1.0 |
| | IU Permits and Applying the Combined Wastestream Formula | 8/14/24 14:05 | 8/14/24 14:35 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | 21ST Century FOG Management | 8/14/24 13:22 | 8/14/24 14:00 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Terms & Definitions Challenges In The Field | 8/14/24 10:04 | 8/14/24 10:57 | 0:53 | 1.0 | | 1.0 | 1.0 |
| | good for? Water Treatment Regulatory | 8/14/24 9:24 | 8/14/24 10:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Oxidation ditches Hydraulic Modeling - What is it | 8/14/24 8:26 | 8/14/24 9:00 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Energy Efficient Retrofits of | 8/14/24 7:56 | 8/14/24 8:26 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:52 | 8/13/24 16:55 | 1:02 | 1.0 | | 1.0 | 1.0 |

| | Hydraulic Modeling - What is it good for? | 8/14/24 8:31 | 8/14/24 9:00 | 0:29 | 0.5 | | 0.5 | 0.5 |
|---------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:26 | 8/14/24 10:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:31 | 8/14/24 11:05 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:28 | 8/14/24 14:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| Staton, Kevin | Credits Requested: PDHs | | Total C | redits Earned | 5.5 | 4.0 | 9.5 | 9.5 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:29 | 8/13/24 13:57 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 13:58 | 8/13/24 14:26 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:58 | 8/13/24 15:27 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | The Danish story of using low- hanging-fruit to reduce energy, carbon, and resourcesgy and carbon | 8/13/24 15:58 | 8/13/24 16:56 | 0:57 | 1.0 | | 1.0 | 1.0 |
| | Challenges In The Field | 8/14/24 10:01 | 8/14/24 10:57 | 0:56 | 1.0 | | 1.0 | 1.0 |
| | Ethics in Engineering | 8/14/24 13:28 | 8/14/24 14:30 | 1:02 | | 1.0 | 1.0 | 1.0 |
| | Indiana Law and Statutes | 8/14/24 15:13 | 8/14/24 16:22 | 1:08 | | 1.0 | 1.0 | 1.0 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:31 | 8/14/24 16:58 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility | 8/15/24 7:51 | 8/15/24 8:30 | 0:39 | | 0.5 | 0.5 | 0.5 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:29 | 8/15/24 9:06 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:09 | 8/15/24 9:40 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | | |

| | City of Kalamazoo's Holistic Approach to Selecting New Process Technologies | 8/15/24 9:41 | 8/15/24 10:50 | 1:09 | | 1.0 | 1.0 | 1.0 |
|---------------|--|---------------|---------------|---------------|-----|-----|------|------|
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:53 | 8/15/24 11:25 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | It's Raining N! The Future of Total Nitrogen Limits | 8/15/24 11:26 | 8/15/24 11:56 | 0:29 | 0.5 | | 0.5 | 0.5 |
| Steele, Shawn | Credits Requested: Waste | water | Total C | redits Earned | 8.5 | 4.0 | 12.5 | 12.5 |
| | Welcome & Keynote Address | 8/13/24 7:46 | 8/13/24 9:00 | 1:13 | 0.0 | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:16 | 1:05 | | 1.0 | 1.0 | 1.0 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:29 | 8/13/24 11:42 | 1:12 | 1.0 | | 1.0 | 1.0 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:15 | 8/13/24 14:00 | 0:44 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:01 | 8/13/24 14:31 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:56 | 8/13/24 15:25 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:59 | 8/13/24 16:27 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Energy Efficient Retrofits of Oxidation ditches | 8/14/24 8:00 | 8/14/24 8:26 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:27 | 8/14/24 9:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:26 | 8/14/24 10:00 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:04 | 8/14/24 11:00 | 0:56 | | 1.0 | 1.0 | 1.0 |
| | 50 Years Later and SND Still Works | 8/14/24 13:25 | 8/14/24 14:02 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:04 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Adaptive mixing and process optimization with energy savings | 8/14/24 15:17 | 8/14/24 15:50 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Tips for Labs that you may not know | 8/15/24 7:57 | 8/15/24 8:30 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | | | - | | | - | | |

| | IWEA WASTEWATER LABORATORY ANALYST CERTIFICATION | 8/15/24 8:32 | 8/15/24 9:01 | 0:28 | | 0.5 | 0.5 | 0.5 |
|----------------|---|---------------|---------------|---------------|-----|-----|------|------|
| | Flexing Your Procurement Muscle | 8/15/24 9:11 | 8/15/24 9:38 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Basics of pH | 8/15/24 9:43 | 8/15/24 10:15 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | A case for better lab results | 8/15/24 10:17 | 8/15/24 10:47 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories | 8/15/24 10:58 | 8/15/24 11:55 | 0:57 | 1.0 | | 1.0 | 1.0 |
| Stehno, Edward | Credits Requested: Waster | water PDHs | Total C | redits Earned | 8.0 | 6.0 | 14.0 | 14.0 |
| | | | | | 0.0 | | | |
| | Welcome & Keynote Address | 8/13/24 7:58 | 8/13/24 9:00 | 1:01 | | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:16 | 1:05 | | 1.0 | 1.0 | 1.0 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:36 | 8/13/24 11:42 | 1:06 | 1.0 | | 1.0 | 1.0 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:29 | 8/13/24 13:57 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 13:58 | 8/13/24 14:26 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:52 | 8/13/24 15:27 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:55 | 8/13/24 16:28 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:28 | 8/13/24 16:57 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Out In The Field Not In A Book | 8/14/24 7:56 | 8/14/24 8:57 | 1:01 | 1.0 | | 1.0 | 1.0 |
| | Water Treatment Regulatory Terms & Definitions | 8/14/24 9:29 | 8/14/24 10:00 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Challenges In The Field | 8/14/24 10:01 | 8/14/24 10:57 | 0:56 | 1.0 | | 1.0 | 1.0 |
| | Ethics in Engineering | 8/14/24 13:27 | 8/14/24 14:30 | 1:03 | | 1.0 | 1.0 | 1.0 |
| | Indiana Law and Statutes | 8/14/24 15:19 | 8/14/24 16:22 | 1:03 | | 1.0 | 1.0 | 1.0 |
| | Enhancing the absorption capacity of GAC to remove PFAS from water | 8/14/24 16:24 | 8/14/24 16:55 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Electrical Safety for Wastewater Operators and Maintenance Personnel | 8/15/24 7:56 | 8/15/24 8:30 | 0:34 | | 0.5 | 0.5 | 0.5 |

| | Emergency Preparedness and Procedures | 8/15/24 8:30 | 8/15/24 9:10 | 0:39 | | 0.5 | 0.5 | 0.5 |
|------------------|--|---------------|---------------|----------------|-----|-----|------|------|
| | Primary Clarifier Sludge and Scum | 8/15/24 9:12 | 8/15/24 9:40 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Basics of pH | 8/15/24 9:43 | 8/15/24 10:15 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Keeping pace with current dynamic state of UV disinfection. An overview of different style UV systems, and what are the drivers when picking between technologies. | 8/15/24 10:23 | 8/15/24 11:30 | 1:06 | 1.0 | | 1.0 | 1.0 |
| | It's Raining N! The Future of Total Nitrogen Limits | 8/15/24 11:26 | 8/15/24 11:56 | 0:30 | 0.5 | | 0.5 | 0.5 |
| itein, Eli | | | | | 0.0 | 0.0 | 2.0 | 2.0 |
| | Credits Requested: | | Total C | Credits Earned | 0.0 | 2.0 | 2.0 | 2.0 |
| | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks | 8/13/24 13:25 | 8/13/24 13:54 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 14:58 | 8/13/24 15:28 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 15:56 | 8/13/24 16:29 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | Forecasting Urban Water Escherichia coli Contamination Using Machine Learning Models | 8/13/24 16:30 | 8/13/24 17:00 | 0:30 | | 0.5 | 0.5 | 0.5 |
| Steinman, Andrew | | | | = 1 | 0.5 | 0.5 | 40.0 | 40.0 |
| | Credits Requested: | | Total C | Credits Earned | 6.5 | 3.5 | 10.0 | 10.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:31 | 8/13/24 11:10 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks | 8/13/24 13:24 | 8/13/24 13:54 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | 8/13/24 13:56 | 8/13/24 14:31 | 0:35 | | 0.5 | 0.5 | 0.5 |
| | Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures | 8/13/24 14:53 | 8/13/24 15:26 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 15:35 | 8/13/24 16:29 | 0:54 | | 0.5 | 0.5 | 0.5 |
| | | | · · · | | | | | |

| Forecasting Urban Water Escherichia coli Contamination Using Machine Learning Models | 8/13/24 16:26 | 8/13/24 17:00 | 0:34 | | 0.5 | 0.5 | 0.5 |
|---|---------------|---------------|------|-----|-----|-----|-----|
| Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 8:05 | 8/14/24 8:25 | 0:19 | 0.5 | | 0.5 | 0.5 |
| Hydraulic Modeling - What is it good for? | 8/14/24 8:24 | 8/14/24 9:00 | 0:36 | 0.5 | | 0.5 | 0.5 |
| Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:33 | 8/14/24 10:00 | 0:26 | 0.5 | | 0.5 | 0.5 |
| North Interceptor Sewer - Danville, IN | 8/14/24 10:03 | 8/14/24 10:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:27 | 8/14/24 11:05 | 0:37 | 0.5 | | 0.5 | 0.5 |
| Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:23 | 8/14/24 14:00 | 0:37 | 0.5 | | 0.5 | 0.5 |
| Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:02 | 8/14/24 14:30 | 0:28 | 0.5 | | 0.5 | 0.5 |
| Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility | 8/15/24 7:54 | 8/15/24 8:30 | 0:36 | | 0.5 | 0.5 | 0.5 |
| Emergency Preparedness and Procedures | 8/15/24 8:36 | 8/15/24 9:10 | 0:33 | | 0.5 | 0.5 | 0.5 |
| Primary Clarifier Sludge and Scum | 8/15/24 9:11 | 8/15/24 9:40 | 0:29 | 0.5 | | 0.5 | 0.5 |
| Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:37 | 8/15/24 10:15 | 0:37 | 0.5 | | 0.5 | 0.5 |
| Sustained 60 MGD? Sure, why not! | 8/15/24 10:12 | 8/15/24 10:47 | 0:34 | 0.5 | | 0.5 | 0.5 |
| Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:53 | 8/15/24 11:25 | 0:32 | | 0.5 | 0.5 | 0.5 |

| Steinman, Eric | UPDATED - Emergency Replacement of a Blower During a Planning Project at the Wyoming Clean Water Plant | 8/15/24 11:21 | 8/15/24 11:57 | 0:35 | 0.5 | | 0.5 | 0.5 |
|--------------------|---|---------------|---------------|----------------|-----|-----|------|------|
| Stemman, Line | Credits Requested: PDHs | | Total C | Credits Earned | 2.0 | 2.0 | 4.0 | 4.0 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:31 | 8/14/24 10:00 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:03 | 8/14/24 10:35 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:26 | 8/14/24 11:05 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Ethics in Engineering | 8/14/24 13:15 | 8/14/24 14:30 | 1:15 | | 1.0 | 1.0 | 1.0 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:15 | 8/14/24 15:55 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | Getting the Next Generation Excited about Wastewater | 8/14/24 15:57 | 8/14/24 16:25 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Leading Change | 8/14/24 16:33 | 8/14/24 16:58 | 0:24 | | 0.5 | 0.5 | 0.5 |
| Stephanoff, Brenda | | | | | | | | |
| | Credits Requested: | | Total C | Credits Earned | 2.5 | 0.0 | 2.5 | 2.5 |
| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:36 | 8/13/24 11:41 | 1:05 | 1.0 | | 1.0 | 1.0 |
| | The Danish story of using low- hanging-fruit to reduce energy, carbon, and resourcesgy and carbon | 8/13/24 15:54 | 8/13/24 16:56 | 1:01 | 1.0 | | 1.0 | 1.0 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:18 | 8/14/24 15:55 | 0:37 | 0.5 | | 0.5 | 0.5 |
| Steury, Tyler | | | | | | | | |
| | Credits Requested: | | Total C | Credits Earned | 7.5 | 2.5 | 10.0 | 10.0 |
| | Welcome & Keynote Address | 8/13/24 7:46 | 8/13/24 9:00 | 1:13 | | 1.0 | 1.0 | 1.0 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:36 | 8/13/24 11:42 | 1:06 | 1.0 | | 1.0 | 1.0 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:04 | 8/13/24 14:31 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:56 | 8/13/24 15:25 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:59 | 8/13/24 16:28 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | | | | | | | | |

| | Energy Efficient Retrofits of Oxidation ditches | 8/14/24 8:00 | 8/14/24 8:26 | 0:26 | 0.5 | | 0.5 | 0.5 |
|---------|---|---|--|--------------------------------------|-------------------|------------|---|----------------------------------|
| | Benefits of Big Bubble Mixing | 8/14/24 8:28 | 8/14/24 9:00 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:26 | 8/14/24 10:00 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:05 | 8/14/24 11:00 | 0:54 | | 1.0 | 1.0 | 1.0 |
| | 50 Years Later and SND Still Works | 8/14/24 13:25 | 8/14/24 14:02 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:04 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Adaptive mixing and process optimization with energy savings | 8/14/24 15:17 | 8/14/24 15:50 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Ultra-Low Phosphorus Limits | 8/15/24 7:57 | 8/15/24 8:30 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:32 | 8/15/24 9:06 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:10 | 8/15/24 9:40 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Basics of pH | 8/15/24 9:44 | 8/15/24 10:15 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | A case for better lab results | 8/15/24 10:17 | 8/15/24 10:47 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | | 0, 15, 2 : 10:17 | 0/13/24 10.47 | 0.30 | 0.0 | | 0.5 | 0.5 |
| Dewayne | | | | | | 4 = | | |
| Dewayne | Credits Requested: Waster | vater | Total C | redits Earned | 9.5 | 4.5 | 14.0 | |
| Dewayne | | | | | | 4.5 | | |
| Dewayne | Credits Requested: Waste | vater | Total C | redits Earned | | | 14.0 | 14.0 |
| Dewayne | Credits Requested: Waster Welcome & Keynote Address Workforce Development | vater 8/13/24 7:50 | Total C 8/13/24 9:00 | Credits Earned | | 1.0 | 14.0 | 14.0 |
| Dewayne | Credits Requested: Waster Welcome & Keynote Address Workforce Development Roundtable Critical Maintenance Techniques | water 8/13/24 7:50 8/13/24 9:10 | Total C 8/13/24 9:00 8/13/24 10:16 | 1:09 | 9.5 | 1.0 | 14.0 1.0 1.0 | 14.0 1.0 |
| Dewayne | Credits Requested: Waster Welcome & Keynote Address Workforce Development Roundtable Critical Maintenance Techniques Your Plant may be over looking Peracetic Acid for Wastewater Disinfection & The Benefits to | 8/13/24 7:50 8/13/24 9:10 8/13/24 10:34 | Total C 8/13/24 9:00 8/13/24 10:16 8/13/24 11:42 | 1:09 1:05 | 9.5 | 1.0 | 14.0 1.0 1.0 | 14.0 1.0 1.0 |
| Dewayne | Credits Requested: Wastev Welcome & Keynote Address Workforce Development Roundtable Critical Maintenance Techniques Your Plant may be over looking Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities Optimizing Final Clarifiers — From Concept to Demonstrated | 8/13/24 7:50 8/13/24 9:10 8/13/24 10:34 8/13/24 13:23 | Total C 8/13/24 9:00 8/13/24 10:16 8/13/24 11:42 8/13/24 13:55 | 1:09 1:05 1:08 | 1.0 | 1.0 | 14.0 1.0 1.0 1.0 | 14.0 1.0 1.0 0.5 |
| Dewayne | Credits Requested: Wastev Welcome & Keynote Address Workforce Development Roundtable Critical Maintenance Techniques Your Plant may be over looking Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities Optimizing Final Clarifiers — From Concept to Demonstrated Performance Benefits of Partnering to Reduce | 8/13/24 7:50 8/13/24 9:10 8/13/24 10:34 8/13/24 13:23 8/13/24 14:04 | Total C 8/13/24 9:00 8/13/24 10:16 8/13/24 11:42 8/13/24 13:55 8/13/24 14:31 | 1:09 1:05 1:08 0:31 | 9.5 1.0 0.5 | 1.0 | 14.0 1.0 1.0 1.0 0.5 | 14.0 1.0 1.0 0.5 |
| Dewayne | Credits Requested: Wastev Welcome & Keynote Address Workforce Development Roundtable Critical Maintenance Techniques Your Plant may be over looking Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities Optimizing Final Clarifiers — From Concept to Demonstrated Performance Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 7:50 8/13/24 9:10 8/13/24 10:34 8/13/24 13:23 8/13/24 14:04 8/13/24 14:56 | Total C 8/13/24 9:00 8/13/24 10:16 8/13/24 11:42 8/13/24 13:55 8/13/24 14:31 8/13/24 15:25 | 1:09 1:05 1:08 0:31 | 9.5 1.0 0.5 | 1.0 | 14.0 1.0 1.0 1.0 0.5 | 14.0 1.0 1.0 0.5 |
| Dewayne | Credits Requested: Wastev Welcome & Keynote Address Workforce Development Roundtable Critical Maintenance Techniques Your Plant may be over looking Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities Optimizing Final Clarifiers — From Concept to Demonstrated Performance Benefits of Partnering to Reduce Inflow and Infiltration IDEM Update | 8/13/24 7:50 8/13/24 9:10 8/13/24 10:34 8/13/24 13:23 8/13/24 14:04 8/13/24 14:56 8/13/24 15:57 | 8/13/24 9:00 8/13/24 10:16 8/13/24 11:42 8/13/24 13:55 8/13/24 14:31 8/13/24 15:25 8/13/24 16:28 | 1:09 1:05 1:08 0:31 0:26 | 9.5 1.0 0.5 | 1.0 | 14.0 1.0 1.0 1.0 0.5 0.5 | 14.0 1.0 1.0 0.5 0.5 |

| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:28 | 8/14/24 10:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
|---------------|--|---------------|---------------|---------------|-----|-----|-----|-----|
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:05 | 8/14/24 11:00 | 0:55 | | 1.0 | 1.0 | 1.0 |
| | 50 Years Later and SND Still Works | 8/14/24 13:26 | 8/14/24 14:02 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:04 | 8/14/24 14:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:13 | 8/14/24 15:55 | 0:42 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:50 | 8/14/24 16:26 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Ultra-Low Phosphorus Limits | 8/15/24 7:50 | 8/15/24 8:30 | 0:40 | 0.5 | | 0.5 | 0.5 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:34 | 8/15/24 9:39 | 1:05 | 1.0 | | 1.0 | 1.0 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:35 | 8/15/24 9:06 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:07 | 8/15/24 9:40 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:40 | 8/15/24 10:15 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:19 | 8/15/24 10:47 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:58 | 8/15/24 11:25 | 0:27 | | 0.5 | 0.5 | 0.5 |
| wart, Briyana | Credits Requested: | | Total C | redits Earned | 1.0 | 1.5 | 2.5 | 2.5 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:37 | 8/13/24 11:10 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:10 | 8/13/24 11:49 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:03 | 8/13/24 14:31 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 15:27 | 8/13/24 16:29 | 1:01 | | 0.5 | 0.5 | 0.5 |
| | 5 545.65 | -, -, | -, -, | - | | | | |

| Forecasting Urban Water Escherichia coli Contamination Using Machine Learning Models | 8/13/24 16:26 | 8/13/24 17:00 | 0:34 | | 0.5 | 0.5 | 0.5 |
|--|---|--|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| | | | | | | | |
| Credits Requested: Waster | | Total Credits Earned 5.5 2.5 8.0 8.0 10:31 8/13/24 11:07 0:35 0.5 0.5 0.5 11:08 8/13/24 11:42 0:34 0.5 0.5 0.5 13:29 8/13/24 13:57 0:27 0.5 0.5 15:00 8/13/24 16:28 0:28 0.5 0.5 0.5 15:56 8/13/24 16:28 0:31 0.5 0.5 0.5 16:30 8/13/24 16:57 0:27 0.5 0.5 0.5 16:30 8/13/24 16:57 0:27 0.5 0.5 0.5 16:30 8/14/24 8:57 0:56 1.0 1.0 1.0 1.0 49:27 8/14/24 10:00 0:33 0.5 0.5 0.5 10:03 8/14/24 10:57 0:54 1.0 1.0 1.0 13:16 8/14/24 14:05 0:54 1.0 1.0 1.0 13:16 8/14/24 14:05 0:54 1.0 1.0 1.0 13:16 8/14/24 14:05 0:54 1.0 1.0 1.0 14:05 8/14/24 14:35 0:29 0.5 0.5 15:14 8/14/24 16:58 0:36 0.5 0.5 Total Credits Earned 0.5 1.0 1.5 1.5 16:30 8/14/24 16:58 0:36 0.5 0.5 0.5 0.5 | | | | | |
| Operator Certification Update | 8/13/24 10:31 | 8/13/24 11:07 | 0:35 | | 0.5 | 0.5 | 0.5 |
| Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap | 8/13/24 11:08 | 8/13/24 11:42 | 0:34 | | 0.5 | 0.5 | 0.5 |
| PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:29 | 8/13/24 13:57 | 0:27 | 0.5 | | 0.5 | 0.5 |
| Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 15:00 | 8/13/24 15:28 | 0:28 | | 0.5 | 0.5 | 0.5 |
| IDEM Update | 8/13/24 15:56 | 8/13/24 16:28 | 0:31 | | 0.5 | 0.5 | 0.5 |
| The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:30 | 8/13/24 16:57 | 0:27 | | 0.5 | 0.5 | 0.5 |
| Out In The Field Not In A Book | 8/14/24 8:00 | 8/14/24 8:57 | 0:56 | 1.0 | | 1.0 | 1.0 |
| Water Treatment Regulatory Terms & Definitions | 8/14/24 9:27 | 8/14/24 10:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| Challenges In The Field | 8/14/24 10:03 | 8/14/24 10:57 | 0:54 | 1.0 | | 1.0 | 1.0 |
| 21ST Century FOG Management | 8/14/24 13:16 | 8/14/24 14:00 | 0:43 | 0.5 | | 0.5 | 0.5 |
| IU Permits and Applying the Combined Wastestream Formula | 8/14/24 14:05 | 8/14/24 14:35 | 0:29 | 0.5 | | 0.5 | 0.5 |
| Enforcement Response Plan, Violations, and Significant Non- Compliance | 8/14/24 15:14 | 8/14/24 16:15 | 1:00 | 1.0 | | 1.0 | 1.0 |
| Transforming Compliance Using Collaborative Technology | 8/14/24 16:21 | 8/14/24 16:58 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | | | | 0.5 | 4.0 | 4.5 | 4 - |
| • | | | | | 1.0 | | |
| Ten Gallons of Pump Station in | 8/14/24 16:30 | 8/14/24 16:58 | 0:27 | 0.5 | | 0.5 | 0.5 |
| City of Kalamazoo's Holistic Approach to Selecting New Process Technologies | 8/15/24 9:41 | 8/15/24 10:50 | 1:08 | | 1.0 | 1.0 | 1.0 |
| Credits Requested: Wastey | vater | Total C | redits Earned | 4.0 | 1.0 | 5.0 | 5.0 |
| <u> </u> | | 8/13/24 11:41 | 1:07 | 1.0 | | 1.0 | 1.0 |
| PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:21 | 8/13/24 13:57 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Escherichia coli Contamination Using Machine Learning Models Credits Requested: Wastev Operator Certification Update Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap PFAS Regulations Impact on the Future of Land Application Grit Happens: Conquering Startup Challenges during a WWTP Upgrade IDEM Update The Need to Understand and Manage Water Availability within Basins in Indiana Out In The Field Not In A Book Water Treatment Regulatory Terms & Definitions Challenges In The Field 21ST Century FOG Management IU Permits and Applying the Combined Wastestream Formula Enforcement Response Plan, Violations, and Significant Non- Compliance Transforming Compliance Using Collaborative Technology Credits Requested: PDHs Ten Gallons of Pump Station in City of Kalamazoo's Holistic Approach to Selecting New Process Technologies Credits Requested: Wastev Fail PFAS Regulations Impact on the | Escherichia coli Contamination Using Machine Learning Models Credits Requested: Wastewater Operator Certification Update Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap PFAS Regulations Impact on the Future of Land Application Grit Happens: Conquering Startup Challenges during a WWTP Upgrade IDEM Update IDEM Update The Need to Understand and Manage Water Availability Within Basins in Indiana Out In The Field Not In A Book Water Treatment Regulatory Terms & Definitions Challenges In The Field U Permits and Applying the Combined Wastestream Formula Enforcement Response Plan, Violations, and Significant Non- Compliance Transforming Compliance Using Collaborative Technology Credits Requested: PDHs Ten Gallons of Pump Station in S/13/24 10:34 PFAS Regulations Impact on the 8/13/24 13:21 | Credits Requested: Wastewater |

| Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:01 | 8/13/24 14:31 | 0:29 | 0.5 | | 0.5 | 0.5 |
|--|--|---|--|--|--|---|--|
| Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 15:02 | 8/13/24 15:27 | 0:25 | 0.5 | | 0.5 | 0.5 |
| Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:57 | 8/13/24 16:55 | 0:57 | 1.0 | | 1.0 | 1.0 |
| Water Treatment Regulatory Terms & Definitions | 8/14/24 9:33 | 8/14/24 10:00 | 0:26 | 0.5 | | 0.5 | 0.5 |
| Using your data and SCADA for maintenance and savings | 8/14/24 10:10 | 8/14/24 11:00 | 0:50 | | 1.0 | 1.0 | 1.0 |
| Credits Requested: | | Total C | redits Earned | 0.0 | 1.0 | 1.0 | 1.0 |
| Welcome & Keynote Address | 8/13/24 7:58 | 8/13/24 9:00 | 1:01 | | 1.0 | 1.0 | 1.0 |
| Credits Requested: | | Total C | Credits Earned | 2.0 | 0.0 | 2.0 | 2.0 |
| - | 8/14/24 7:51 | 8/14/24 8:23 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Hydraulic Modeling - What is it good for? | 8/14/24 8:31 | 8/14/24 9:00 | 0:29 | 0.5 | | 0.5 | 0.5 |
| Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:29 | 8/14/24 10:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:26 | 8/14/24 14:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | |
| Credits Requested: Waster | water | Total C | redits Earned | 4.0 | 1.0 | 5.0 | 5.0 |
| Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:51 | 8/14/24 8:23 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Benefits of Big Bubble Mixing | 8/14/24 8:27 | 8/14/24 9:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:28 | 8/14/24 10:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| Using your data and SCADA for maintenance and savings | 8/14/24 10:05 | 8/14/24 11:00 | 0:55 | | 1.0 | 1.0 | 1.0 |
| 50 Years Later and SND Still Works | 8/14/24 13:25 | 8/14/24 14:02 | 0:36 | 0.5 | | 0.5 | 0.5 |
| Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:04 | 8/14/24 14:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Ultra-Low Phosphorus Limits | 8/15/24 7:53 | 8/15/24 8:30 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | From Concept to Demonstrated Performance Total Nitrogen Treatment — What is Required vs. What is Realistic Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits Water Treatment Regulatory Terms & Definitions Using your data and SCADA for maintenance and savings Credits Requested: Welcome & Keynote Address Credits Requested: Challenges of Rehabilitating a Hydraulic Modeling - What is it good for? Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections Foster Park Relief Sewer — Indian Village CSO 005 Connection Credits Requested: Waster Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer Benefits of Big Bubble Mixing WWTP Non-Potable Water Systems — The Neglected Plant Process Using your data and SCADA for maintenance and savings 50 Years Later and SND Still Works Requirements vs. Reality - Design Capacity Compared to Real World Observations | From Concept to Demonstrated Performance Total Nitrogen Treatment — What is Required vs. What is Realistic Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits Water Treatment Regulatory 8/14/24 9:33 Terms & Definitions Using your data and SCADA for maintenance and savings Credits Requested: Welcome & Keynote Address 8/13/24 7:58 Credits Requested: Challenges of Rehabilitating a 8/14/24 8:31 good for? Using Al, GIS & Digital Twins to Drive Smarter Sewer Inspections Foster Park Relief Sewer — Indian Village CSO 005 Connection Credits Requested: Wastewater Adapt and Overcome: Challenges of Rehabilitating a 8/14/24 7:51 90-inch Sewer Benefits of Big Bubble Mixing 8/14/24 8:27 WWTP Non-Potable Water Systems — The Neglected Plant Process Using your data and SCADA for maintenance and savings 50 Years Later and SND Still Works Requirements vs. Reality — Design Capacity Compared to Real World Observations | From Concept to Demonstrated Performance From Concept to Demonstrated Performance Total Nitrogen Treatment — What is Required vs. What is Realistic Whole Effluent Toxicity (WET) | From Concept to Demonstrated Performance Total Nitrogen Treatment— What is Required vs. What is Realistic Whole Effluent Toxicity (WET) Testing Requirements for Ry13/24 15.57 8/13/24 16.55 0.57 NPDES Permits Water Treatment Regulatory 8/14/24 9.33 8/14/24 10.00 0.26 Using your data and SCADA for maintenance and savings Credits Requested: Total Credits Earned Welcome & Keynote Address 8/13/24 7.58 8/13/24 9.00 1.01 Credits Requested: Total Credits Earned Challenges of Rehabilitating a 8/14/24 7.51 8/14/24 8.23 0.31 Hydraulic Modeling - What is it good for? Using Al, GIS & Digital Twins to 8/14/24 9.29 8/14/24 10.00 0.30 Drive Smarter Sewer Inspections Foster Park Relief Sewer — Indian Village CSO 005 8/14/24 13.26 8/14/24 14.00 0.33 Credits Requested: Wastewater Credits Requested: Total Credits Earned Adapt and Overcome: Challenges of Rehabilitating a 8/14/24 13.26 8/14/24 14.00 0.33 Credits Requested: Wastewater Credits Requested: Wastewater Adapt and Overcome: Challenges of Rehabilitating a 8/14/24 13.26 8/14/24 14.00 0.33 Connection Credits Requested: Wastewater Adapt and Overcome: Challenges of Rehabilitating a 8/14/24 9.28 8/14/24 10.00 0.32 WWTP Non-Potable Water Systems — The Neglected Plant Process Using your data and SCADA for maintenance and savings 8/14/24 10.05 8/14/24 11.00 0.55 So Years Later and SND Still 8/14/24 13.25 8/14/24 14.00 0.55 Requirements vs. Reality—Design Capacity Compared to Real World Observations | From Concept to Demonstrated 8/13/24 14:01 8/13/24 14:31 0:29 0.5 Performance Total Nitrogen Treatment — What is Required vs. What is Relative vs. What is Required vs. What is Required vs. What is Relative vs. Rela | From Concept to Demonstrated 8/13/24 14:01 8/13/24 14:31 0:29 0.5 | From Concept to Demonstrated 8/13/24 14:01 8/13/24 14:31 0:29 0.5 0.5 Performance Total Nitrogen Treatment - What is Required vs. What is Regulated vs. Regulated vs. What is Regulated vs. Re |

| | Primary Clarifier Sludge and Scum | 8/15/24 9:08 | 8/15/24 9:40 | 0:31 | 0.5 | | 0.5 | 0.5 |
|--------------------|---|---------------|---------------|----------------|-----|-----|-----|-----|
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:37 | 8/15/24 10:15 | 0:37 | 0.5 | | 0.5 | 0.5 |
| Sucharitakul, Andy | Credits Requested: PDHs | | Total C | redits Earned | 4.0 | 3.5 | 7.5 | 7.5 |
| | · · · · · · · · · · · · · · · · · · · | | Total C | redits carried | 4.0 | 3.5 | 7.5 | 7.5 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:26 | 8/13/24 14:01 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 14:00 | 8/13/24 14:28 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:56 | 8/13/24 15:27 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 15:55 | 8/13/24 16:29 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | Forecasting Urban Water Escherichia coli Contamination Using Machine Learning Models | 8/13/24 16:26 | 8/13/24 17:00 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | Mastering the Art of Master Planning | 8/14/24 7:59 | 8/14/24 9:00 | 1:01 | 1.0 | | 1.0 | 1.0 |
| | Rate inequity: are your residents subsidizing the growth in your community? | 8/14/24 9:26 | 8/14/24 10:30 | 1:03 | | 1.0 | 1.0 | 1.0 |
| | Ethics in Engineering | 8/14/24 13:27 | 8/14/24 14:30 | 1:03 | | 1.0 | 1.0 | 1.0 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:58 | 8/14/24 16:26 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Enhancing the absorption capacity of GAC to remove PFAS from water | 8/14/24 16:30 | 8/14/24 16:56 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:43 | 8/15/24 10:15 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why | 8/15/24 10:12 | 8/15/24 10:47 | 0:34 | 0.5 | | 0.5 | 0.5 |
| Sullivan, Elijah | Crodite Paguastad | | Total C | redits Earned | 4.5 | 2.5 | 7.0 | 7.0 |
| | Credits Requested: | 0/12/247.47 | | | 4.0 | | | |
| | Welcome & Keynote Address | 8/13/24 7:47 | 8/13/24 9:00 | 1:12 | | 1.0 | 1.0 | 1.0 |

| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:34 | 8/13/24 11:10 | 0:35 | 0.5 | | 0.5 | 0.5 |
|--------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:13 | 8/13/24 11:49 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks | 8/13/24 13:23 | 8/13/24 13:54 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 13:59 | 8/13/24 14:26 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 15:52 | 8/13/24 16:29 | 0:36 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:31 | 8/13/24 16:57 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:28 | 8/14/24 9:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:32 | 8/14/24 10:00 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:04 | 8/14/24 10:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:27 | 8/14/24 11:05 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | 50 Years Later and SND Still Works | 8/14/24 13:33 | 8/14/24 14:02 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:02 | 8/14/24 14:30 | 0:27 | 0.5 | | 0.5 | 0.5 |
| Summers, Wes | | | | | | | | |
| | Credits Requested: Wastew | ater | Total C | redits Earned | 1.5 | 1.5 | 3.0 | 3.0 |
| | Tips for Labs that you may not know | 8/15/24 7:56 | 8/15/24 8:30 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:34 | 8/15/24 9:06 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | | |

| | Flexing Your Procurement Muscle | 8/15/24 9:09 | 8/15/24 9:38 | 0:28 | 0.5 | | 0.5 | 0.5 |
|--------------|--|---------------|---------------|---------------|-----|-----|-----|-----|
| | City of Kalamazoo's Holistic Approach to Selecting New Process Technologies | 8/15/24 9:45 | 8/15/24 10:50 | 1:05 | | 1.0 | 1.0 | 1.0 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 11:00 | 8/15/24 11:25 | 0:25 | | 0.5 | 0.5 | 0.5 |
| anson, Caden | | | | | 0.5 | | 0.5 | 0.5 |
| | Credits Requested: PDHs | | Total C | redits Earned | 3.5 | 5.0 | 8.5 | 8.5 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:16 | 1:05 | | 1.0 | 1.0 | 1.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:35 | 8/13/24 11:10 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:10 | 8/13/24 11:49 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks | 8/13/24 13:24 | 8/13/24 13:54 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:03 | 8/13/24 14:31 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 15:00 | 8/13/24 15:25 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | The Danish story of using low- hanging-fruit to reduce energy, carbon, and resourcesgy and carbon | 8/13/24 15:58 | 8/13/24 16:56 | 0:58 | 1.0 | | 1.0 | 1.0 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:30 | 8/14/24 10:00 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:05 | 8/14/24 11:00 | 0:55 | | 1.0 | 1.0 | 1.0 |
| | Ethics in Engineering | 8/14/24 13:24 | 8/14/24 14:30 | 1:06 | | 1.0 | 1.0 | 1.0 |
| | Indiana Law and Statutes | 8/14/24 15:17 | 8/14/24 16:22 | 1:05 | | 1.0 | 1.0 | 1.0 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:27 | 8/14/24 16:55 | 0:27 | 0.5 | | 0.5 | 0.5 |
| lor, Bryce | Credits Requested: PDHs | | | redits Earned | 4.0 | 0.0 | 4.0 | 4.0 |

| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:31 | 8/14/24 10:00 | 0:28 | 0.5 | | 0.5 | 0.5 |
|----------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:03 | 8/14/24 10:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:26 | 8/14/24 11:05 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:24 | 8/14/24 14:00 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:01 | 8/14/24 14:30 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:20 | 8/14/24 15:55 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 16:00 | 8/14/24 16:26 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:31 | 8/14/24 16:58 | 0:26 | 0.5 | | 0.5 | 0.5 |
| Teague, Philip | Credits Requested: PDHs | | Total C | redits Earned | 0.5 | 0.0 | 0.5 | 0.5 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:30 | 8/14/24 16:58 | 0:27 | 0.5 | | 0.5 | 0.5 |
| Tennis, Dave | Credits Requested: | | Total C | redits Earned | 2.0 | 0.0 | 2.0 | 2.0 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:26 | 8/14/24 9:00 | 0:34 | 0.5 | 0.0 | 0.5 | 0.5 |
| | Foster Park Relief Sewer – | 8/14/24 13:32 | 8/14/24 14:00 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Indian Village CSO 005 Connection | 6/14/24 13.32 | 0/14/24 14.00 | | | | | |
| | | 8/14/24 15:56 | 8/14/24 16:26 | 0:29 | 0.5 | | 0.5 | 0.5 |
| Terry, Jake | Connection Use of Pipe Storage System for | | | | 0.5 | | 0.5 | 0.5 |

| | North Interceptor Sewer - Danville, IN | 8/14/24 10:05 | 8/14/24 10:35 | 0:29 | 0.5 | | 0.5 | 0.5 |
|----------------|--|---------------|---------------|----------------|------|-----|------|------|
| Terry, Josh | Danvine, IIV | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 2.5 | 0.0 | 2.5 | 2.5 |
| | Water Treatment Regulatory Terms & Definitions | 8/14/24 9:30 | 8/14/24 10:00 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Challenges In The Field | 8/14/24 10:07 | 8/14/24 10:58 | 0:50 | 1.0 | | 1.0 | 1.0 |
| | 21ST Century FOG Management | 8/14/24 13:21 | 8/14/24 14:00 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | IU Permits and Applying the Combined Wastestream Formula | 8/14/24 14:04 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| Teusch, Joe | | | | | | | | |
| | Credits Requested: PDHs | | Total C | redits Earned | 1.5 | 2.0 | 3.5 | 3.5 |
| | Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility | 8/15/24 7:58 | 8/15/24 8:30 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:29 | 8/15/24 9:06 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:10 | 8/15/24 9:40 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | City of Kalamazoo's Holistic Approach to Selecting New Process Technologies | 8/15/24 9:41 | 8/15/24 10:50 | 1:08 | | 1.0 | 1.0 | 1.0 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:59 | 8/15/24 11:25 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens - Sustainable Solutions for Grit Management At WWTPs | 8/15/24 11:29 | 8/15/24 11:55 | 0:26 | 0.5 | | 0.5 | 0.5 |
| THEODOROU, BOB | | | | | 40.0 | 0.0 | 12.0 | 10.0 |
| | Credits Requested: Waster | | | Credits Earned | 10.0 | 3.0 | 13.0 | 13.0 |
| | Welcome & Keynote Address | 8/13/24 7:51 | 8/13/24 9:00 | 1:08 | | 1.0 | 1.0 | 1.0 |
| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:34 | 8/13/24 11:41 | 1:07 | 1.0 | | 1.0 | 1.0 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:30 | 8/13/24 13:57 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:02 | 8/13/24 14:31 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:57 | 8/13/24 15:27 | 0:29 | 0.5 | | 0.5 | 0.5 |

| | IDEM Update | 8/13/24 15:54 | 8/13/24 16:28 | 0:34 | | 0.5 | 0.5 | 0.5 |
|----------|--|---------------|---------------|---------------|-----|-----|------|------|
| | Forecasting Urban Water Escherichia coli Contamination Using Machine Learning Models | 8/13/24 16:31 | 8/13/24 17:00 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Out In The Field Not In A Book | 8/14/24 8:02 | 8/14/24 8:57 | 0:55 | 1.0 | | 1.0 | 1.0 |
| | Water Treatment Regulatory Terms & Definitions | 8/14/24 9:30 | 8/14/24 10:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Challenges In The Field | 8/14/24 10:04 | 8/14/24 10:58 | 0:53 | 1.0 | | 1.0 | 1.0 |
| | 21ST Century FOG Management | 8/14/24 13:27 | 8/14/24 14:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | IU Permits and Applying the Combined Wastestream Formula | 8/14/24 14:04 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Enforcement Response Plan, Violations, and Significant Non- Compliance | 8/14/24 15:14 | 8/14/24 16:15 | 1:01 | 1.0 | | 1.0 | 1.0 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 16:10 | 8/14/24 16:25 | 0:14 | 0.0 | | 0.0 | 0.0 |
| | Enhancing the absorption capacity of GAC to remove PFAS from water | 8/14/24 16:28 | 8/14/24 16:55 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Ultra-Low Phosphorus Limits | 8/15/24 7:59 | 8/15/24 8:30 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | IWEA WASTEWATER LABORATORY ANALYST CERTIFICATION | 8/15/24 8:33 | 8/15/24 9:01 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:09 | 8/15/24 9:40 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:42 | 8/15/24 10:15 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:11 | 8/15/24 10:47 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:55 | 8/15/24 11:25 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens - Sustainable Solutions for Grit Management At WWTPs | 8/15/24 11:21 | 8/15/24 11:55 | 0:34 | 0.5 | | 0.5 | 0.5 |
| lka, Tim | Credits Requested: | | Total C | redits Earned | 5.5 | 5.5 | 11.0 | 11.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:38 | 8/13/24 11:10 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | JC W CI | | | | | | | |

| In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:12 | 8/13/24 11:49 | 0:37 | 0.5 | | 0.5 | 0.5 |
|---|---------------|---------------|------|-----|-----|-----|-----|
| Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:26 | 8/13/24 14:01 | 0:35 | | 0.5 | 0.5 | 0.5 |
| Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:02 | 8/13/24 14:31 | 0:29 | | 0.5 | 0.5 | 0.5 |
| Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures | 8/13/24 15:00 | 8/13/24 15:26 | 0:26 | 0.5 | | 0.5 | 0.5 |
| SRF Basics | 8/13/24 15:57 | 8/13/24 16:29 | 0:32 | | 0.5 | 0.5 | 0.5 |
| The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:29 | 8/13/24 16:57 | 0:28 | | 0.5 | 0.5 | 0.5 |
| Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:58 | 8/14/24 8:25 | 0:26 | 0.5 | | 0.5 | 0.5 |
| Hydraulic Modeling - What is it good for? | 8/14/24 8:31 | 8/14/24 9:00 | 0:29 | 0.5 | | 0.5 | 0.5 |
| Using Al, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:31 | 8/14/24 10:00 | 0:28 | 0.5 | | 0.5 | 0.5 |
| North Interceptor Sewer - Danville, IN | 8/14/24 10:01 | 8/14/24 10:35 | 0:33 | 0.5 | | 0.5 | 0.5 |
| Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:32 | 8/14/24 11:05 | 0:33 | 0.5 | | 0.5 | 0.5 |
| Ethics in Engineering | 8/14/24 13:30 | 8/14/24 14:30 | 1:00 | | 1.0 | 1.0 | 1.0 |
| Indiana Law and Statutes | 8/14/24 15:12 | 8/14/24 16:22 | 1:10 | | 1.0 | 1.0 | 1.0 |
| Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:27 | 8/14/24 16:55 | 0:27 | 0.5 | | 0.5 | 0.5 |
| Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility | 8/15/24 7:54 | 8/15/24 8:30 | 0:36 | | 0.5 | 0.5 | 0.5 |

| | Back to Basics: Review of UV Disinfection | 8/15/24 8:28 | 8/15/24 9:06 | 0:38 | 0.5 | | 0.5 | 0.5 |
|------------------|---|-----------------|-----------------|----------------|-----|-----|-----|-----|
| | Primary Clarifier Sludge and Scum | 8/15/24 9:09 | 8/15/24 9:40 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | City of Kalamazoo's Holistic Approach to Selecting New Process Technologies | 8/15/24 9:38 | 8/15/24 10:50 | 1:11 | | 1.0 | 1.0 | 1.0 |
| Thomas, Carolyn | | | - | | 0.0 | 4.0 | 1.0 | 1.0 |
| | Credits Requested: | 0/40/04 7.50 | | Credits Earned | 0.0 | 1.0 | 1.0 | 1.0 |
| Thompson, Andrew | Welcome & Keynote Address | 8/13/24 7:50 | 8/13/24 9:00 | 1:09 | | 1.0 | 1.0 | 1.0 |
| mompson, Andrew | Credits Requested: PDHs | | Total C | Credits Earned | 5.0 | 0.0 | 5.0 | 5.0 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:55 | 8/14/24 8:23 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:24 | 8/14/24 9:00 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:32 | 8/14/24 10:00 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:04 | 8/14/24 10:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:28 | 8/14/24 11:05 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | 50 Years Later and SND Still Works | 8/14/24 13:29 | 8/14/24 14:02 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:03 | 8/14/24 14:35 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:16 | 8/14/24 15:55 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:51 | 8/14/24 16:26 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:28 | 8/14/24 16:55 | 0:26 | 0.5 | | 0.5 | 0.5 |
| Thompson, Chip | Credits Requested: | | Total C | Credits Earned | 0.0 | 1.0 | 1.0 | 1.0 |
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 14:59 | 8/13/24 15:28 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 16:04 | 8/13/24 16:30 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | טונו שמונט | 0/ 10/ 24 10:04 | 0, 13, 24 10.30 | 0.23 | | 0.0 | 0.5 | 5.5 |

| ompson, Jarrett | | | | | | | | |
|-----------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | Credits Requested: Wastev | vater | Total C | redits Earned | 6.5 | 1.0 | 7.5 | 7.5 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:30 | 8/13/24 11:42 | 1:11 | 1.0 | | 1.0 | 1.0 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:28 | 8/13/24 13:55 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:03 | 8/13/24 14:31 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 16:01 | 8/13/24 16:55 | 0:53 | 1.0 | | 1.0 | 1.0 |
| | Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:57 | 8/14/24 8:26 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:28 | 8/14/24 9:00 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Using Al, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:29 | 8/14/24 10:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:02 | 8/14/24 10:35 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:33 | 8/14/24 11:05 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Wastewater Challenge Demonstration | 8/14/24 16:29 | 8/14/24 16:55 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility | 8/15/24 7:59 | 8/15/24 8:30 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:36 | 8/15/24 9:39 | 1:03 | 1.0 | | 1.0 | 1.0 |
| pson, Kimberly | Credits Requested: Wastev | vater | Total C | redits Earned | 5.0 | 2.0 | 7.0 | 7.0 |
| | Welcome & Keynote Address | 8/13/24 7:54 | 8/13/24 9:00 | 1:05 | 0.0 | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:16 | 1:05 | | 1.0 | 1.0 | 1.0 |
| | Biosolids: Fail to Plan; Plan to | 8/13/24 10:44 | 8/13/24 11:41 | 0:57 | 1.0 | | 1.0 | 1.0 |

| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:26 | 8/13/24 13:55 | 0:28 | 0.5 | | 0.5 | 0.5 |
|-------------|---|---------------|---------------|----------------|-----|-----|------|------|
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:02 | 8/13/24 14:31 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:57 | 8/13/24 15:27 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:55 | 8/13/24 16:55 | 0:59 | 1.0 | | 1.0 | 1.0 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:57 | 8/14/24 8:23 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:24 | 8/14/24 9:00 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:01 | 8/14/24 10:35 | 0:33 | 0.5 | | 0.5 | 0.5 |
| Tice, Steve | Credits Requested: Waste | water | Total C | Credits Earned | 6.0 | 5.5 | 11.5 | 11.5 |
| | Welcome & Keynote Address | 8/13/24 8:01 | 8/13/24 9:00 | 0:58 | | 1.0 | 1.0 | 1.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:32 | 8/13/24 11:10 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap | 8/13/24 11:10 | 8/13/24 11:42 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:29 | 8/13/24 13:57 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 14:05 | 8/13/24 14:30 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:58 | 8/13/24 15:27 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:55 | 8/13/24 16:28 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:32 | 8/13/24 16:58 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Mastering the Art of Master Planning | 8/14/24 7:54 | 8/14/24 9:00 | 1:05 | 1.0 | | 1.0 | 1.0 |
| | | | | | | | | |

| | Rate inequity: are your residents subsidizing the growth in your community? | 8/14/24 9:35 | 8/14/24 10:30 | 0:54 | | 1.0 | 1.0 | 1.0 |
|---------------|--|---------------|---------------|---------------|-----|----------|-----|-----|
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:31 | 8/14/24 11:04 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | Water and Wastewater Workforce Development – Is your community ready for the challenge? | 8/14/24 13:30 | 8/14/24 14:30 | 1:00 | | 1.0 | 1.0 | 1.0 |
| | Tips for Labs that you may not know | 8/15/24 7:55 | 8/15/24 8:30 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | IWEA WASTEWATER LABORATORY ANALYST CERTIFICATION | 8/15/24 8:35 | 8/15/24 9:01 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | Flexing Your Procurement Muscle | 8/15/24 9:06 | 8/15/24 9:38 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Basics of pH | 8/15/24 9:47 | 8/15/24 10:15 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | A case for better lab results | 8/15/24 10:17 | 8/15/24 10:47 | 0:30 | 0.5 | <u> </u> | 0.5 | 0.5 |
| | Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories | 8/15/24 10:56 | 8/15/24 11:55 | 0:59 | 1.0 | | 1.0 | 1.0 |
| Tittle, Piper | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 5.0 | 4.0 | 9.0 | 9.0 |
| | Welcome & Keynote Address | 8/13/24 8:07 | 8/13/24 9:00 | 0:52 | | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:16 | 1:05 | | 1.0 | 1.0 | 1.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:35 | 8/13/24 11:10 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:07 | 8/13/24 11:49 | 0:42 | 0.5 | | 0.5 | 0.5 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:33 | 8/13/24 14:01 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:04 | 8/13/24 14:31 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:53 | 8/13/24 16:28 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability | 8/13/24 16:30 | 8/13/24 16:57 | 0:27 | | 0.5 | 0.5 | 0.5 |

| Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:24 | 8/14/24 10:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
|---|---|--|--|-------------------------|--|---------------------------------------|--|
| North Interceptor Sewer - Danville, IN | 8/14/24 10:05 | 8/14/24 10:35 | 0:29 | 0.5 | | 0.5 | 0.5 |
| Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:27 | 8/14/24 11:05 | 0:38 | 0.5 | | 0.5 | 0.5 |
| Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:31 | 8/14/24 14:00 | 0:29 | 0.5 | | 0.5 | 0.5 |
| Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:01 | 8/14/24 14:30 | 0:29 | 0.5 | | 0.5 | 0.5 |
| Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:14 | 8/14/24 15:55 | 0:41 | 0.5 | | 0.5 | 0.5 |
| Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:53 | 8/14/24 16:26 | 0:32 | 0.5 | | 0.5 | 0.5 |
| Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:28 | 8/14/24 16:55 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | |
| Credits Requested: | | | | 0.5 | | | 1.5 |
| Welcome & Keynote Address | 8/13/24 7:52 | 8/13/24 9:00 | 1:08 | | 1.0 | 1.0 | 1.0 |
| Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:58 | 8/14/24 16:26 | 0:27 | 0.5 | | 0.5 | 0.5 |
| Credits Requested: Wastey | water | Total C | redits Earned | 9.0 | 3.5 | 12.5 | 12.5 |
| Welcome & Keynote Address | 8/13/24 7:58 | 8/13/24 9:00 | 1:01 | | 1.0 | 1.0 | 1.0 |
| Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:16 | 1:05 | | 1.0 | 1.0 | 1.0 |
| Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:29 | 8/13/24 11:42 | 1:12 | 1.0 | | 1.0 | 1.0 |
| PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:24 | 8/13/24 13:57 | 0:33 | 0.5 | | 0.5 | 0.5 |
| Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:03 | 8/13/24 14:31 | 0:27 | 0.5 | | 0.5 | 0.5 |
| Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:56 | 8/13/24 15:27 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Drive Smarter Sewer Inspections North Interceptor Sewer - Danville, IN Howard Roosa Sewer - The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer Foster Park Relief Sewer - Indian Village CSO 005 Connection Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana Lafayette Prairie Oaks Pipeline Rehab Use of Pipe Storage System for Sustainable CSO Reduction Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket Credits Requested: Welcome & Keynote Address Use of Pipe Storage System for Sustainable CSO Reduction Credits Requested: Welcome & Keynote Address Use of Pipe Storage System for Sustainable CSO Reduction Credits Requested: Welcome & Keynote Address Workforce Development Roundtable Critical Maintenance Techniques Your Plant may be over looking PFAS Regulations Impact on the Future of Land Application Optimizing Final Clarifiers - From Concept to Demonstrated Performance Total Nitrogen Treatment - What is Required vs. What is | Drive Smarter Sewer Inspections North Interceptor Sewer - Danville, IN Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer Foster Park Relief Sewer – Indian Village CSO 005 Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana Lafayette Prairie Oaks Pipeline Rehab Use of Pipe Storage System for Sustainable CSO Reduction Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket Credits Requested: Welcome & Keynote Address Use of Pipe Storage System for Sustainable CSO Reduction Critical Maintenance Techniques Your Plant may be over looking PFAS Regulations Impact on the Future of Land Application Optimizing Final Clarifiers – From Concept to Demonstrated Performance Total Nitrogen Treatment – What is Required vs. What is 8/13/24 14:56 | North Interceptor Sewer - Danville, IN North Interceptor Sewer - Danville, IN Howard Roosa Sewer - The Final Outcome of this Non-Traditional, Flexible Approach to Salvaging an Almost 100-Year-Old Sewer Foster Park Relief Sewer - Indian Village CSO 005 8/14/24 13:31 8/14/24 14:00 Salvaging an Almost 100-Year-Old Sewer Foster Park Relief Sewer - Indian Village CSO 005 8/14/24 13:31 8/14/24 14:00 Salvaging Gravity Sewer Under a Ditch, Railroad, and 8/14/24 14:01 8/14/24 14:30 State Road in Greendale, Indiana Lafayette Prairie Oaks Pipeline 8/14/24 15:14 8/14/24 15:55 Rehab Use of Pipe Storage System for 8/14/24 15:53 8/14/24 16:26 Sustainable CSO Reduction Salvaging From Station - Ten Gallons of Pump Station - Ten Gallons of Pump Station in 8/14/24 16:28 8/14/24 16:55 Salvaging From Sustainable CSO Reduction Salvaging Fr | North Interceptor Sewer | North Interceptor Sewer North Intercepto | North Interceptor Sewer - Inspections | North Interception Sewer Inspections |

| IDEM Update | 8/13/24 15:57 | 8/13/24 16:28 | 0:30 | | 0.5 | 0.5 | 0.5 |
|---|---------------|---------------|---------------|-----|-----|-----|-----|
| Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 8:02 | 8/14/24 8:27 | 0:25 | 0.5 | | 0.5 | 0.5 |
| Benefits of Big Bubble Mixing | 8/14/24 8:28 | 8/14/24 9:00 | 0:31 | 0.5 | | 0.5 | 0.5 |
| WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:30 | 8/14/24 10:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| North Interceptor Sewer - Danville, IN | 8/14/24 10:05 | 8/14/24 10:35 | 0:29 | 0.5 | | 0.5 | 0.5 |
| Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:28 | 8/14/24 11:05 | 0:37 | 0.5 | | 0.5 | 0.5 |
| 21ST Century FOG Management | 8/14/24 13:32 | 8/14/24 14:00 | 0:28 | 0.5 | | 0.5 | 0.5 |
| Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:07 | 8/14/24 14:35 | 0:28 | 0.5 | | 0.5 | 0.5 |
| Adaptive mixing and process optimization with energy savings | 8/14/24 15:17 | 8/14/24 15:50 | 0:33 | 0.5 | | 0.5 | 0.5 |
| Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility | 8/15/24 7:59 | 8/15/24 8:30 | 0:31 | | 0.5 | 0.5 | 0.5 |
| Back to Basics: Review of UV Disinfection | 8/15/24 8:32 | 8/15/24 9:06 | 0:33 | 0.5 | | 0.5 | 0.5 |
| Primary Clarifier Sludge and Scum | 8/15/24 9:11 | 8/15/24 9:40 | 0:29 | 0.5 | | 0.5 | 0.5 |
| Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:42 | 8/15/24 10:15 | 0:32 | 0.5 | | 0.5 | 0.5 |
| Sustained 60 MGD? Sure, why not! | 8/15/24 10:11 | 8/15/24 10:47 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:56 | 8/15/24 11:25 | 0:28 | | 0.5 | 0.5 | 0.5 |
| It's Raining N! The Future of Total Nitrogen Limits | 8/15/24 11:28 | 8/15/24 11:56 | 0:28 | 0.5 | | 0.5 | 0.5 |
| Credits Requested: | | Total C | redits Earned | 4.0 | 1.0 | 5.0 | 5.0 |

| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:34 | 8/13/24 11:41 | 1:07 | 1.0 | | 1.0 | 1.0 |
|-------------------|--|---------------|---------------|---------------|-----|-----|------|------|
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:21 | 8/13/24 13:57 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:01 | 8/13/24 14:31 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 15:02 | 8/13/24 15:27 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:57 | 8/13/24 16:55 | 0:57 | 1.0 | | 1.0 | 1.0 |
| | Water Treatment Regulatory Terms & Definitions | 8/14/24 9:33 | 8/14/24 10:00 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:10 | 8/14/24 11:01 | 0:51 | | 1.0 | 1.0 | 1.0 |
| Truemner, Madison | | | | | | | | |
| | Credits Requested: PDHs | | Total C | redits Earned | 6.0 | 4.0 | 10.0 | 10.0 |
| | Welcome & Keynote Address | 8/13/24 8:05 | 8/13/24 9:00 | 0:54 | | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:16 | 1:05 | | 1.0 | 1.0 | 1.0 |
| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:35 | 8/13/24 11:41 | 1:06 | 1.0 | | 1.0 | 1.0 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:26 | 8/13/24 13:57 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:04 | 8/13/24 14:31 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:52 | 8/13/24 15:25 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:55 | 8/13/24 16:55 | 0:59 | 1.0 | | 1.0 | 1.0 |
| | Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:54 | 8/14/24 8:26 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:27 | 8/14/24 10:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:10 | 8/14/24 11:01 | 0:51 | | 1.0 | 1.0 | 1.0 |
| | 50 Years Later and SND Still Works | 8/14/24 13:33 | 8/14/24 14:02 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | | |

| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:03 | 8/14/24 14:35 | 0:32 | 0.5 | | 0.5 | 0.5 |
|--------------|--|---------------|---------------|---------------|-----|-----|------|------|
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:17 | 8/14/24 15:55 | 0:37 | | 0.5 | 0.5 | 0.5 |
| | Getting the Next Generation Excited about Wastewater | 8/14/24 15:57 | 8/14/24 16:25 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Enhancing the absorption capacity of GAC to remove PFAS from water | 8/14/24 16:30 | 8/14/24 16:55 | 0:25 | 0.5 | | 0.5 | 0.5 |
| ner, Michael | Condita Danca stade w | | Tatalo | | 0.0 | 2.5 | 12.5 | 12.5 |
| | Credits Requested: Wastev | | | redits Earned | 9.0 | 3.5 | 12.5 | 12.5 |
| | Welcome & Keynote Address | 8/13/24 7:49 | 8/13/24 9:00 | 1:10 | | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:16 | 1:05 | | 1.0 | 1.0 | 1.0 |
| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:34 | 8/13/24 11:41 | 1:07 | 1.0 | | 1.0 | 1.0 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:18 | 8/13/24 13:57 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:03 | 8/13/24 14:31 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:56 | 8/13/24 15:27 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:32 | 8/13/24 16:57 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:55 | 8/14/24 8:26 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:28 | 8/14/24 9:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:30 | 8/14/24 10:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:08 | 8/14/24 10:35 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | 50 Years Later and SND Still Works | 8/14/24 13:28 | 8/14/24 14:02 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:03 | 8/14/24 14:35 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Adaptive mixing and process optimization with energy savings | 8/14/24 15:17 | 8/14/24 15:50 | 0:33 | 0.5 | | 0.5 | 0.5 |

| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:52 | 8/14/24 16:26 | 0:33 | 0.5 | | 0.5 | 0.5 |
|------------------|---|--------------------------------|--------------------------------|---------------|------|-----|------|------|
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:29 | 8/14/24 16:55 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Ultra-Low Phosphorus Limits | 8/15/24 7:56 | 8/15/24 8:30 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | IWEA WASTEWATER LABORATORY ANALYST CERTIFICATION | 8/15/24 8:36 | 8/15/24 9:01 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Flexing Your Procurement Muscle | 8/15/24 9:07 | 8/15/24 9:38 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:12 | 8/15/24 10:47 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 11:00 | 8/15/24 11:25 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | UPDATED - Emergency Replacement of a Blower During a Planning Project at the Wyoming Clean Water Plant | 8/15/24 11:24 | 8/15/24 11:57 | 0:33 | 0.5 | | 0.5 | 0.5 |
| Uhlenhake, Karen | | | | | | | | |
| | Credits Requested: Wastev | vater | Total C | redits Earned | 10.5 | 2.5 | 13.0 | 13.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:16 | 1:05 | | 1.0 | 1.0 | 1.0 |
| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:34 | 8/13/24 11:41 | 1:07 | 1.0 | | 1.0 | 1.0 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:27 | 8/13/24 14:01 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | | | | | | | | |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:03 | 8/13/24 14:31 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Basins – Treating urban runoff | 8/13/24 14:03 8/13/24 14:53 | 8/13/24 14:31 8/13/24 15:25 | 0:28 | 0.5 | 0.5 | 0.5 | 0.5 |
| | Basins – Treating urban runoff outside your project Benefits of Partnering to Reduce | | | | 0.5 | 0.5 | | |
| | Basins – Treating urban runoff outside your project Benefits of Partnering to Reduce Inflow and Infiltration Whole Effluent Toxicity (WET) Testing Requirements for | 8/13/24 14:53 | 8/13/24 15:25 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | Basins – Treating urban runoff outside your project Benefits of Partnering to Reduce Inflow and Infiltration Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits Adapt and Overcome: Challenges of Rehabilitating a | 8/13/24 14:53 8/13/24 15:53 | 8/13/24 15:25 8/13/24 16:55 | 0:32 | 1.0 | 0.5 | 0.5 | 0.5 |

| | North Interceptor Sewer - Danville, IN | 8/14/24 10:02 | 8/14/24 10:35 | 0:32 | 0.5 | | 0.5 | 0.5 |
|--------------------------|---|---------------|---------------|---------------|-----|-----|------|------|
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:27 | 8/14/24 11:05 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | 21ST Century FOG Management | 8/14/24 13:23 | 8/14/24 14:00 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:01 | 8/14/24 14:30 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Adaptive mixing and process optimization with energy savings | 8/14/24 15:17 | 8/14/24 15:50 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:58 | 8/14/24 16:26 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:27 | 8/14/24 16:55 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Ultra-Low Phosphorus Limits | 8/15/24 8:01 | 8/15/24 8:30 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:33 | 8/15/24 9:06 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:07 | 8/15/24 9:40 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:44 | 8/15/24 10:15 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:18 | 8/15/24 10:47 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:53 | 8/15/24 11:25 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens - Sustainable Solutions for Grit Management At WWTPs | 8/15/24 11:21 | 8/15/24 11:55 | 0:34 | 0.5 | | 0.5 | 0.5 |
| Upendrakumar, KC "Kumar" | | | | | | | | |
| | Credits Requested: PDHs | | Total C | redits Earned | 9.5 | 4.5 | 13.5 | 13.5 |
| | Welcome & Keynote Address | 8/13/24 7:55 | 8/13/24 9:00 | 1:04 | | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:16 | 1:05 | | 1.0 | 1.0 | 1.0 |
| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:40 | 8/13/24 11:41 | 1:00 | 1.0 | | 1.0 | 1.0 |
| | | | | | | | | |

| PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:34 | 8/13/24 14:00 | 0:26 | 0.5 | | 0.0 | 0.0 |
|---|---------------|---------------|------|-----|-----|-----|-----|
| Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 13:58 | 8/13/24 14:26 | 0:28 | 0.5 | | 0.5 | 0.5 |
| Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:58 | 8/13/24 15:27 | 0:28 | 0.5 | | 0.5 | 0.5 |
| The Danish story of using low- hanging-fruit to reduce energy, carbon, and resourcesgy and carbon | 8/13/24 15:57 | 8/13/24 16:56 | 0:58 | 1.0 | | 1.0 | 1.0 |
| Energy Efficient Retrofits of Oxidation ditches | 8/14/24 8:00 | 8/14/24 8:26 | 0:26 | 0.5 | | 0.5 | 0.5 |
| Benefits of Big Bubble Mixing | 8/14/24 8:27 | 8/14/24 9:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:29 | 8/14/24 10:00 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Using your data and SCADA for maintenance and savings | 8/14/24 10:04 | 8/14/24 11:01 | 0:57 | | 1.0 | 1.0 | 1.0 |
| 50 Years Later and SND Still Works | 8/14/24 13:31 | 8/14/24 14:02 | 0:30 | 0.5 | | 0.5 | 0.5 |
| Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:04 | 8/14/24 14:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Adaptive mixing and process optimization with energy savings | 8/14/24 15:17 | 8/14/24 15:50 | 0:33 | 0.5 | | 0.5 | 0.5 |
| A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:43 | 8/14/24 15:55 | 0:11 | | 0.0 | 0.0 | 0.0 |
| Getting the Next Generation Excited about Wastewater | 8/14/24 15:58 | 8/14/24 16:25 | 0:26 | | 0.5 | 0.5 | 0.5 |
| Enhancing the absorption capacity of GAC to remove PFAS from water | 8/14/24 16:28 | 8/14/24 16:55 | 0:27 | 0.5 | | 0.5 | 0.5 |
| Ultra-Low Phosphorus Limits | 8/15/24 7:54 | 8/15/24 8:30 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Emergency Preparedness and Procedures | 8/15/24 8:32 | 8/15/24 9:10 | 0:38 | | 0.5 | 0.5 | 0.5 |
| Primary Clarifier Sludge and Scum | 8/15/24 9:09 | 8/15/24 9:40 | 0:30 | 0.5 | | 0.5 | 0.5 |

| Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:45 | 8/15/24 10:15 | 0:29 | 0.5 | | 0.5 | 0.5 |
|---|---|---|--|---|--|---|-----------------------------|
| Sustained 60 MGD? Sure, why not! | 8/15/24 10:17 | 8/15/24 10:47 | 0:29 | 0.5 | | 0.5 | 0.5 |
| Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:59 | 8/15/24 11:25 | 0:25 | | 0.5 | 0.5 | 0.5 |
| It's Raining N! The Future of Total Nitrogen Limits | 8/15/24 11:28 | 8/15/24 11:56 | 0:28 | 0.5 | | 0.5 | 0.5 |
| Credits Requested: PDHs | | Total C | redits Earned | 2.0 | 2.5 | 4.5 | 4.5 |
| Hydraulic Modeling - What is it good for? | 8/14/24 8:29 | 8/14/24 9:00 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:29 | 8/14/24 10:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| Using your data and SCADA for maintenance and savings | 8/14/24 10:03 | 8/14/24 11:01 | 0:57 | | 1.0 | 1.0 | 1.0 |
| 50 Years Later and SND Still Works | 8/14/24 13:28 | 8/14/24 14:02 | 0:34 | 0.5 | | 0.5 | 0.5 |
| IU Permits and Applying the Combined Wastestream Formula | 8/14/24 14:04 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:17 | 8/14/24 15:55 | 0:37 | | 0.5 | 0.5 | 0.5 |
| Getting the Next Generation Excited about Wastewater | 8/14/24 15:57 | 8/14/24 16:25 | 0:28 | | 0.5 | 0.5 | 0.5 |
| Leading Change | 8/14/24 16:30 | 8/14/24 16:58 | 0:28 | | 0.5 | 0.5 | 0.5 |
| Credits Requested: | | Total C | redits Earned | 1.5 | 0.0 | 1.5 | 1.5 |
| Water Treatment Regulatory Terms & Definitions | 8/14/24 9:33 | 8/14/24 10:00 | 0:27 | 0.5 | | 0.5 | 0.5 |
| North Interceptor Sewer - Danville, IN | 8/14/24 10:06 | 8/14/24 10:35 | 0:28 | 0.5 | | 0.5 | 0.5 |
| Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:38 | 8/14/24 14:04 | 0:26 | 0.5 | | 0.5 | 0.5 |
| Condito Bossos at all | | T 10 | us dias Fame . | 0.0 | 0.5 | 0.5 | 0.5 |
| • | 8/13/24 16:02 | | | 0.0 | | | 0.5 |
| IDENT OPUATE | 0/ 13/ 24 10.02 | 0/ 13/ 24 10.20 | 0.23 | | 0.3 | 0.3 | 0.3 |
| Credits Requested: PDHs | | Total C | redits Earned | 4.5 | 2.0 | 6.5 | 6.5 |
| Welcome & Keynote Address | 8/13/24 8:08 | 8/13/24 9:00 | 0:51 | | 1.0 | 1.0 | 1.0 |
| | Solutions for Variable Flow Challenges Sustained 60 MGD? Sure, why not! Contrasting Design Considerations: Municipal Vs Industrial WWTPs It's Raining N! The Future of Total Nitrogen Limits Credits Requested: PDHs Hydraulic Modeling - What is it good for? Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections Using your data and SCADA for maintenance and savings 50 Years Later and SND Still Works IU Permits and Applying the Combined Wastestream Formula A Gen Z Perspective on the Wastewater Industry Getting the Next Generation Excited about Wastewater Leading Change Credits Requested: Water Treatment Regulatory Terms & Definitions North Interceptor Sewer - Danville, IN Foster Park Relief Sewer — Indian Village CSO 005 Connection Credits Requested: PDHs | Solutions for Variable Flow Challenges Sustained 60 MGD? Sure, why not! Contrasting Design Considerations: Municipal Vs Industrial WWTPs It's Raining NI The Future of Total Nitrogen Limits Credits Requested: PDHs Hydraulic Modeling - What is it good for? Using AI, GIS & Digital Twins to SI 14/24 10:03 Drive Smarter Sewer Inspections Using your data and SCADA for maintenance and savings 50 Years Later and SND Still Works IU Permits and Applying the Combined Wastestream SI 14/24 15:17 Wastewater Industry Getting the Next Generation SI 14/24 15:57 Excited about Wastewater Leading Change SI 14/24 16:30 Credits Requested: Water Treatment Regulatory Terms & Definitions North Interceptor Sewer - Danville, IN Foster Park Relief Sewer - Indian Village CSO 005 Connection Credits Requested: IDEM Update SI 13/24 16:02 Credits Requested: PDHs | Solutions for Variable Flow Challenges Sustained 60 MGD? Sure, why not! Contrasting Design Considerations: Municipal Vs Industrial WWTPs It's Raining NI The Future of Total Nitrogen Limits Credits Requested: PDHs Total Nitrogen Limits Credits Requested: PDHs Total Quality Surgives Surg | Solutions for Variable Flow S/15/24 9.45 S/15/24 10:15 0:29 | Solutions for Variable Flow Challenges S/15/24 9:45 S/15/24 10:15 0:29 0.5 | Solutions for Variable Flow Challenges S/15/24 10:15 0.29 0.5 | Solutions for Variable Flow |

| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:35 | 8/13/24 11:10 | 0:34 | 0.5 | | 0.5 | 0.5 |
|-------------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:09 | 8/13/24 11:49 | 0:40 | 0.5 | | 0.5 | 0.5 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:25 | 8/13/24 13:55 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | 8/13/24 14:00 | 8/13/24 14:31 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 15:03 | 8/13/24 15:28 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:31 | 8/14/24 9:00 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Using Al, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:26 | 8/14/24 10:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:01 | 8/14/24 10:35 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:26 | 8/14/24 11:05 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | 21ST Century FOG Management | 8/14/24 13:30 | 8/14/24 14:00 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:01 | 8/14/24 14:30 | 0:28 | 0.5 | | 0.5 | 0.5 |
| VanProoyen, Randy | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 3.5 | 1.0 | 4.5 | 4.5 |
| | Welcome & Keynote Address | 8/13/24 7:48 | 8/13/24 9:00 | 1:11 | | 1.0 | 1.0 | 1.0 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:01 | 8/13/24 14:31 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:05 | 8/14/24 10:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | | |

| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:15 | 8/14/24 15:55 | 0:40 | 0.5 | | 0.5 | 0.5 |
|--------------------|--|---------------|---------------|---------------|-----|-----|------|------|
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 16:00 | 8/14/24 16:26 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Ultra-Low Phosphorus Limits | 8/15/24 7:55 | 8/15/24 8:30 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:33 | 8/15/24 9:39 | 1:05 | 1.0 | | 1.0 | 1.0 |
| VanSickle, Richard | | | | | | | | |
| | Credits Requested: Waster | vater | Total C | redits Earned | 9.0 | 1.0 | 10.0 | 10.0 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:26 | 8/13/24 11:42 | 1:15 | 1.0 | | 1.0 | 1.0 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:16 | 8/13/24 14:00 | 0:43 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:01 | 8/13/24 14:31 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:57 | 8/13/24 15:25 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:52 | 8/13/24 16:55 | 1:02 | 1.0 | | 1.0 | 1.0 |
| | Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:56 | 8/14/24 8:26 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:26 | 8/14/24 9:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:26 | 8/14/24 10:00 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:04 | 8/14/24 11:01 | 0:57 | | 1.0 | 1.0 | 1.0 |
| | 50 Years Later and SND Still Works | 8/14/24 13:24 | 8/14/24 14:02 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:04 | 8/14/24 14:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Adaptive mixing and process optimization with energy savings | 8/14/24 15:17 | 8/14/24 15:50 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:50 | 8/14/24 16:26 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:27 | 8/14/24 16:55 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Ultra-Low Phosphorus Limits | 8/15/24 7:49 | 8/15/24 8:30 | 0:41 | 0.5 | | 0.5 | 0.5 |

| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:32 | 8/15/24 9:39 | 1:07 | 1.0 | | 1.0 | 1.0 |
|------------------|--|---------------------|---------------|----------------|-----|-----|-----|-----|
| Vasell, John | Credits Requested: | | Total C | redits Earned | 0.5 | 0.0 | 0.5 | 0.5 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 8:04 | 8/14/24 8:30 | 0:25 | 0.5 | | 0.5 | 0.5 |
| /AUGHN, BRIAN | Credits Requested: Drinkin | g Water, Wastewater | Total C | redits Earned | 2.0 | 1.0 | 3.0 | 3.0 |
| | Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:56 | 8/14/24 8:26 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:26 | 8/14/24 9:00 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:26 | 8/14/24 10:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:04 | 8/14/24 11:01 | 0:57 | | 1.0 | 1.0 | 1.0 |
| elasco, Manuel | 50 Years Later and SND Still Works | 8/14/24 13:28 | 8/14/24 14:02 | 0:33 | 0.5 | | 0.5 | 0.5 |
| elasco, Manuel | Cuadita Danuarta de 2011 | | T-4-1-0 | \ | 1.0 | 2.0 | 2.0 | 2.0 |
| | Credits Requested: PDHs | | I Otal C | Credits Earned | 1.0 | 2.0 | 3.0 | 3.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:30 | 8/13/24 11:10 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap | 8/13/24 11:11 | 8/13/24 11:42 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:29 | 8/13/24 14:01 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:03 | 8/13/24 14:31 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:57 | 8/13/24 15:25 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:59 | 8/13/24 16:28 | 0:28 | | 0.5 | 0.5 | 0.5 |
| 'elazuqez, Ruben | Credits Requested: | | Total C | redits Earned | 4.5 | 0.5 | 5.0 | 5.0 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:57 | 8/14/24 8:23 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | 50 men sewer | | | | | | | |

| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:31 | 8/14/24 10:00 | 0:28 | 0.5 | | 0.5 | 0.5 |
|-----------------|---|---------------|---------------|----------------|------|-----|------|------|
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:05 | 8/14/24 10:35 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:27 | 8/14/24 11:05 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:32 | 8/14/24 14:00 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:00 | 8/14/24 14:30 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:14 | 8/14/24 15:55 | 0:41 | | 0.5 | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:59 | 8/14/24 16:26 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:28 | 8/14/24 16:55 | 0:26 | 0.5 | | 0.5 | 0.5 |
| Verlezza, Jeff | Credits Requested: | | Total (| Credits Earned | 0.5 | 0.0 | 0.5 | 0.5 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:28 | 8/13/24 13:57 | 0:28 | 0.5 | | 0.5 | 0.5 |
| Vigil, Cristina | Credits Requested: Waster | vater | Total C | Credits Earned | 10.5 | 1.0 | 11.5 | 11.5 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:40 | 8/13/24 11:42 | 1:01 | 1.0 | | 1.0 | 1.0 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:25 | 8/13/24 13:55 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:04 | 8/13/24 14:31 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:54 | 8/13/24 15:27 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:57 | 8/13/24 16:28 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | | | | | | | | |

| | Forecasting Urban Water Escherichia coli Contamination Using Machine Learning Models | 8/13/24 16:31 | 8/13/24 17:00 | 0:29 | | 0.5 | 0.5 | 0.5 |
|---------------------------|--|---------------|---------------|---------------|---------------------------------------|-----|-----|-----|
| | Out In The Field Not In A Book | 8/14/24 8:02 | 8/14/24 8:57 | 0:55 | 1.0 | | 1.0 | 1.0 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:31 | 8/14/24 10:00 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:06 | 8/14/24 10:35 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Challenges In The Field | 8/14/24 10:08 | 8/14/24 10:59 | 0:50 | 1.0 | | 1.0 | 1.0 |
| | 21ST Century FOG Management | 8/14/24 13:29 | 8/14/24 14:00 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | IU Permits and Applying the Combined Wastestream Formula | 8/14/24 14:06 | 8/14/24 14:35 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Enforcement Response Plan, Violations, and Significant Non- Compliance | 8/14/24 15:24 | 8/14/24 16:15 | 0:50 | 1.0 | | 1.0 | 1.0 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:28 | 8/14/24 16:55 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:32 | 8/15/24 9:06 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:12 | 8/15/24 9:40 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | A case for better lab results | 8/15/24 10:19 | 8/15/24 10:47 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories | 8/15/24 10:58 | 8/15/24 11:55 | 0:57 | 1.0 | | 1.0 | 1.0 |
| Villalobos-Lopez, Maritza | Credits Requested: | | Total C | redits Earned | 2.0 | 1.5 | 3.5 | 3.5 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:16 | 1:05 | | 1.0 | 1.0 | 1.0 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:32 | 8/13/24 11:42 | 1:10 | 1.0 | | 1.0 | 1.0 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:24 | 8/13/24 13:57 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 15:01 | 8/13/24 15:27 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:53 | 8/13/24 16:28 | 0:34 | | 0.5 | 0.5 | 0.5 |
| Viswanathan, Sudhakar | Credits Requested: | | Total C | redits Earned | 2.0 | 0.0 | 2.0 | 2.0 |
| | | | · | · | · · · · · · · · · · · · · · · · · · · | | | · |

| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:30 | 8/13/24 11:41 | 1:11 | 1.0 | | 1.0 | 1.0 |
|-----------------|---|---------------|---------------|---------------|-----|-----|------|------|
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:19 | 8/13/24 13:57 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 14:00 | 8/13/24 14:28 | 0:28 | 0.5 | | 0.5 | 0.5 |
| Wagner, Mike | Credits Requested: Waste | water | Total C | redits Earned | 1.0 | 1.5 | 2.5 | 2.5 |
| | Biosolids: Fail to Plan; Plan to | 8/13/24 10:39 | 8/13/24 11:41 | 1:02 | 1.0 | 1.0 | 1.0 | 1.0 |
| | IDEM Update | 8/13/24 15:54 | 8/13/24 16:28 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:32 | 8/13/24 16:57 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:54 | 8/15/24 11:25 | 0:30 | | 0.5 | 0.5 | 0.5 |
| Walker, Allison | | | | | 4.0 | 1.0 | | |
| | Credits Requested: | | Total C | redits Earned | 1.0 | 1.0 | 2.0 | 2.0 |
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 14:55 | 8/13/24 15:28 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures | 8/13/24 14:59 | 8/13/24 15:26 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 15:01 | 8/13/24 15:25 | 0:24 | 0.5 | | 0.5 | 0.5 |
| Marilla | SRF Basics | 8/13/24 15:57 | 8/13/24 16:29 | 0:32 | | 0.5 | 0.5 | 0.5 |
| Walker, Brent | Credits Requested: Waster | vater | Total C | redits Earned | 9.5 | 2.5 | 12.0 | 12.0 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:30 | 8/13/24 11:42 | 1:11 | 1.0 | | 1.0 | 1.0 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:23 | 8/13/24 13:55 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:03 | 8/13/24 14:32 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | | |

| Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:57 | 8/13/24 15:27 | 0:29 | 0.5 | | 0.5 | 0.5 |
|---|---|---|---|--|---|---|--|
| IDEM Update | 8/13/24 15:50 | 8/13/24 16:28 | 0:37 | | 0.5 | 0.5 | 0.5 |
| The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:30 | 8/13/24 16:57 | 0:26 | | 0.5 | 0.5 | 0.5 |
| Out In The Field Not In A Book | 8/14/24 7:50 | 8/14/24 8:57 | 1:07 | 1.0 | | 1.0 | 1.0 |
| WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:25 | 8/14/24 10:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Using your data and SCADA for maintenance and savings | 8/14/24 10:08 | 8/14/24 11:01 | 0:52 | | 1.0 | 1.0 | 1.0 |
| 50 Years Later and SND Still Works | 8/14/24 13:25 | 8/14/24 14:02 | 0:36 | 0.5 | | 0.5 | 0.5 |
| Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:05 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:13 | 8/14/24 15:55 | 0:42 | 0.5 | | 0.5 | 0.5 |
| Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:50 | 8/14/24 16:26 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:27 | 8/14/24 16:55 | 0:27 | 0.5 | | 0.5 | 0.5 |
| Ultra-Low Phosphorus Limits | 8/15/24 7:49 | 8/15/24 8:30 | 0:40 | 0.5 | | 0.5 | 0.5 |
| Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:32 | 8/15/24 9:39 | 1:07 | 1.0 | | 1.0 | 1.0 |
| Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:43 | 8/15/24 10:15 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Sustained 60 MGD? Sure, why not! | 8/15/24 10:10 | 8/15/24 10:47 | 0:37 | 0.5 | | 0.5 | 0.5 |
| Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:53 | 8/15/24 11:25 | 0:32 | | 0.5 | 0.5 | 0.5 |
| It's Raining N! The Future of Total Nitrogen Limits | 8/15/24 11:21 | 8/15/24 11:56 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | | | | | | 0.5 | 0.5 |
| Credits Requested: | | Total C | Credits Earned | 5.5 | 3.0 | 8.5 | 8.5 |
| Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis | 8/13/24 13:26 | 8/13/24 14:01 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | What is Required vs. What is Realistic IDEM Update The Need to Understand and Manage Water Availability within Basins in Indiana Out In The Field Not In A Book WWTP Non-Potable Water Systems – The Neglected Plant Process Using your data and SCADA for maintenance and savings 50 Years Later and SND Still Works Requirements vs. Reality - Design Capacity Compared to Real World Observations Lafayette Prairie Oaks Pipeline Rehab Use of Pipe Storage System for Sustainable CSO Reduction Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket Ultra-Low Phosphorus Limits Informed Decision-Making for Electrical and Controls Systems Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges Sustained 60 MGD? Sure, why not! Contrasting Design Considerations: Municipal Vs Industrial WWTPs It's Raining N! The Future of Total Nitrogen Limits Credits Requested: Urban Stormwater Retrofit: Case Study of Broad Ripple | What is Required vs. What is Realistic IDEM Update The Need to Understand and Manage Water Availability within Basins in Indiana Out In The Field Not In A Book WWTP Non-Potable Water Systems – The Neglected Plant Process Using your data and SCADA for maintenance and savings 50 Years Later and SND Still Works Requirements vs. Reality - Design Capacity Compared to Real World Observations Lafayette Prairie Oaks Pipeline Rehab Use of Pipe Storage System for Sustainable CSO Reduction Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket Ultra-Low Phosphorus Limits Informed Decision-Making for Electrical and Controls Systems Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges Sustained 60 MGD? Sure, why not! Contrasting Design Considerations: Municipal Vs Industrial WWTPs It's Raining N! The Future of Total Nitrogen Limits 8/13/24 13:26 Credits Requested: Urban Stormwater Retrofit: Case Study of Broad Ripple | What is Required vs. What is Realistic IDEM Update 8/13/24 15:50 8/13/24 16:28 The Need to Understand and Manage Water Availability 8/13/24 16:30 8/13/24 16:57 Within Basins in Indiana Out in The Field Not In A Book 8/14/24 7:50 8/14/24 8:57 WWTP Non-Potable Water Systems – The Neglected Plant Process Using your data and SCADA for maintenance and savings 50 Years Later and SND Still Works Requirements vs. Reality - Design Capacity Compared to Real World Observations Lafayette Prairie Oaks Pipeline Rehab Use of Pipe Storage System for Sustainable CSO Reduction Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket Ultra-Low Phosphorus Limits Reping Your Clarifiers Happy: Solutions for Variable Flow Challenges Sustained 60 MGD? Sure, why not! Credits Requested: Credits Requested: Total C Credits Requested: Urban Stormwater Retrofit: Case Study of Broad Ripple 8/13/24 13:26 8/13/24 13:26 8/13/24 13:26 8/13/24 13:26 8/13/24 13:26 8/13/24 13:26 8/13/24 13:26 8/13/24 13:26 8/13/24 13:26 8/13/24 13:26 8/13/24 13:26 8/13/24 13:26 8/13/24 13:26 8/13/24 13:26 8/13/24 13:26 | What is Required vs. What is Realistic Realistic | What is Required vs. What is 8/13/24 14:57 8/13/24 15:27 0:29 0.5 Realistic | What is Required vs. What is R3/13/24 14:57 R3/13/24 15:27 R2 R2 R2 R2 R2 R2 R2 | What is Required vs. What is Required vs. What is Regulared vs. What is Required vs. What is Regulared vs. What is Result vs. What is Regulared vs. What is Result vs. What is Result vs. What is Regulared vs. What is Result vs. |

| tate Road in Greendale, Indiana Indian | 8/14/24 15:16 8/14/24 15:59 8/14/24 16:30 8/15/24 8:03 8/15/24 8:30 8/15/24 9:08 | 8/14/24 15:55 8/14/24 16:26 8/14/24 16:55 8/15/24 8:30 8/15/24 9:10 8/15/24 9:40 | 0:39 0:26 0:24 0:27 0:39 | 0.5 | 0.5 0.5 0.5 | 0.5 0.5 0.5 0.5 0.5 0.5 | 0.5 0.5 0.5 0.5 0.5 |
|--|---|--|---|--|---|--|--|
| tate Road in Greendale, ndiana afayette Prairie Oaks Pipeline lehab lse of Pipe Storage System for ustainable CSO Reduction Vastewater Challenge lemonstration lectrical Safety for Wastewater operators and Maintenance lersonnel mergency Preparedness and rocedures | 8/14/24 15:59 8/14/24 16:30 8/15/24 8:03 8/15/24 8:30 | 8/14/24 16:26 8/14/24 16:55 8/15/24 8:30 8/15/24 9:10 | 0:26 0:24 0:27 0:39 | 0.5 | 0.5 | 0.5 0.5 0.5 | 0.5 0.5 0.5 |
| tate Road in Greendale, ndiana afayette Prairie Oaks Pipeline lehab Use of Pipe Storage System for ustainable CSO Reduction Vastewater Challenge Demonstration Lectrical Safety for Wastewater Operators and Maintenance lersonnel | 8/14/24 15:59 8/14/24 16:30 8/15/24 8:03 | 8/14/24 16:26 8/14/24 16:55 8/15/24 8:30 | 0:26 0:24 0:27 | | 0.5 | 0.5 0.5 | 0.5 |
| tate Road in Greendale, ndiana afayette Prairie Oaks Pipeline lehab Use of Pipe Storage System for ustainable CSO Reduction Vastewater Challenge Demonstration Uectrical Safety for Wastewater Operators and Maintenance | 8/14/24 15:59 8/14/24 16:30 | 8/14/24 16:26 8/14/24 16:55 | 0:26 | | | 0.5 | 0.5 |
| tate Road in Greendale, ndiana afayette Prairie Oaks Pipeline lehab Use of Pipe Storage System for ustainable CSO Reduction Vastewater Challenge | 8/14/24 15:59 | 8/14/24 16:26 | 0:26 | | 0.5 | 0.5 | 0.5 |
| tate Road in Greendale, ndiana afayette Prairie Oaks Pipeline lehab Use of Pipe Storage System for | | | | | | | |
| tate Road in Greendale, ndiana afayette Prairie Oaks Pipeline | 8/14/24 15:16 | 8/14/24 15:55 | 0:39 | 0.5 | | 0.5 | 0.5 |
| tate Road in Greendale, | , , | | | | | | |
| ritical Crossing: Gravity Sewer Inder a Ditch, Railroad, and | 8/14/24 14:02 | 8/14/24 14:30 | 0:28 | 0.5 | | 0.5 | 0.5 |
| oster Park Relief Sewer – ndian Village CSO 005 connection | 8/14/24 13:24 | 8/14/24 14:00 | 0:36 | 0.5 | | 0.5 | 0.5 |
| loward Roosa Sewer – The inal Outcome of this Non- raditional, Flexible Approach to alvaging an Almost 100-Year- old Sewer | 8/14/24 10:33 | 8/14/24 11:05 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Jorth Interceptor Sewer - Janville, IN | 8/14/24 10:02 | 8/14/24 10:35 | 0:33 | 0.5 | | 0.5 | 0.5 |
| Ising AI, GIS & Digital Twins to brive Smarter Sewer Inspections | 8/14/24 9:38 | 8/14/24 10:05 | 0:26 | 0.5 | | 0.5 | 0.5 |
| lydraulic Modeling - What is it ood for? | 8/14/24 8:26 | 8/14/24 9:00 | 0:34 | 0.5 | | 0.5 | 0.5 |
| dapt and Overcome: hallenges of Rehabilitating a 0-inch Sewer | 8/14/24 7:56 | 8/14/24 8:23 | 0:26 | 0.5 | | 0.5 | 0.5 |
| DEM Update | 8/13/24 15:54 | 8/13/24 16:28 | 0:34 | | 0.5 | 0.5 | 0.5 |
| enefits of Partnering to Reduce | 8/13/24 15:02 | 8/13/24 15:25 | 0:23 | 0.5 | | 0.5 | 0.5 |
| legional Stormwater Detention lasins – Treating urban runoff utside your project | 8/13/24 14:02 | 8/13/24 14:31 | 0:28 | | 0.5 | 0.5 | 0.5 |
| THE PROPERTY OF THE PROPERTY O | asins – Treating urban runoff utside your project enefits of Partnering to Reduce inflow and Infiltration DEM Update dapt and Overcome: hallenges of Rehabilitating a 0-inch Sewer lydraulic Modeling - What is it ood for? Using AI, GIS & Digital Twins to vive Smarter Sewer Inspections lorth Interceptor Sewer - lanville, IN Interceptor Sewer – The inal Outcome of this Non- raditional, Flexible Approach to alvaging an Almost 100-Year- old Sewer Oster Park Relief Sewer – | asins – Treating urban runoff utside your project enefits of Partnering to Reduce enefits of Partnering to | asins – Treating urban runoff utside your project enefits of Partnering to Reduce enefits of Partnering to Reduce efflow and Infiltration DEM Update 8/13/24 15:54 8/13/24 16:28 dapt and Overcome: hallenges of Rehabilitating a 0-inch Sewer lydraulic Modeling - What is it ood for? 8/14/24 8:26 8/14/24 9:38 8/14/24 10:05 loring Smarter Sewer Inspections lorth Interceptor Sewer - 8/14/24 10:02 8/14/24 10:35 loward Roosa Sewer – The inal Outcome of this Non- raditional, Flexible Approach to alvaging an Almost 100-Year- old Sewer oster Park Relief Sewer – | asins – Treating urban runoff utside your project enefits of Partnering to Reduce enefits of Partnering to Partnering enefits of Partn | asins – Treating urban runoff utside your project enefits of Partnering to Reduce afflow and Infiltration DEM Update 8/13/24 15:54 8/13/24 16:28 0:34 dapt and Overcome: | asins – Treating urban runoff utside your project enefits of Partnering to Reduce enefits of Partnering to Reduce s/13/24 15:02 8/13/24 16:28 0:23 0.5 Milow and Infiltration EM Update 8/13/24 15:54 8/13/24 16:28 0:34 0.5 Adapt and Overcome: hallenges of Rehabilitating a 0-inch Sewer lydraulic Modeling - What is it enefits and infiltration 8/14/24 8:26 8/14/24 9:00 0:34 0.5 Asing Al, GIS & Digital Twins to enerity Sewer - Sewer Inspections By 14/24 10:02 8/14/24 10:35 0:33 0.5 By 14/24 10:35 0:31 0:31 0:31 0:31 0:31 0:31 0:31 0:31 | asins – Treating urban runoff utside your project enefits of Partnering to Reduce enefits of Reduce energies of Reduce en |

| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:29 | 8/13/24 11:41 | 1:12 | 1.0 | | 1.0 | 1.0 |
|---------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:23 | 8/13/24 13:57 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:03 | 8/13/24 14:32 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:56 | 8/13/24 15:27 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:53 | 8/13/24 16:28 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:25 | 8/14/24 10:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:03 | 8/14/24 10:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:30 | 8/14/24 11:05 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | 21ST Century FOG Management | 8/14/24 13:24 | 8/14/24 14:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | IU Permits and Applying the Combined Wastestream Formula | 8/14/24 14:04 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Enforcement Response Plan, Violations, and Significant Non- Compliance | 8/14/24 15:16 | 8/14/24 16:15 | 0:59 | 1.0 | | 1.0 | 1.0 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:29 | 8/15/24 9:07 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:09 | 8/15/24 9:40 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:42 | 8/15/24 10:15 | 0:32 | 0.5 | | 0.5 | 0.5 |
| Walters, Ryan | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 1.0 | 0.0 | 1.0 | 1.0 |
| | Biosolids: Fail to Plan; Plan to | 8/13/24 10:36 | 8/13/24 11:41 | 1:05 | 1.0 | | 1.0 | 1.0 |
| Wamsley, Pete | Credits Requested: | | Total C | redits Earned | 1.0 | 2.5 | 3.5 | 3.5 |
| | Rate inequity: are your residents subsidizing the growth in your community? | 8/14/24 9:37 | 8/14/24 10:30 | 0:52 | | 1.0 | 1.0 | 1.0 |

| | Ethics in Engineering | 8/14/24 13:30 | 8/14/24 14:30 | 0:59 | | 1.0 | 1.0 | 1.0 |
|-----------------|--|---------------|---------------|------------------|-----|-----|---|-----|
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:14 | 8/14/24 15:55 | 0:41 | 0.5 | | 0.5 | 0.5 |
| | Getting the Next Generation Excited about Wastewater | 8/14/24 15:58 | 8/14/24 16:25 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | Enhancing the absorption capacity of GAC to remove PFAS from water | 8/14/24 16:28 | 8/14/24 16:55 | 0:26 | 0.5 | | 0.5 | 0.5 |
| are, Jordan | Cuadita Danuartada | | Tatal | we dite Fermeral | 1.0 | 0.0 | 1.0 | 1.0 |
| | Credits Requested: | | Total C | redits Earned | 1.0 | 0.0 | 1.0 | 1.0 |
| | Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories | 8/15/24 10:58 | 8/15/24 11:55 | 0:56 | 1.0 | | 1.0 | 1.0 |
| ashington, Tara | | | | | | | | |
| | Credits Requested: Waster | vater | Total C | redits Earned | 2.0 | 4.5 | 6.5 | 6.5 |
| | Welcome & Keynote Address | 8/13/24 7:57 | 8/13/24 9:00 | 1:02 | • | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:16 | 1:05 | | 1.0 | 1.0 | 1.0 |
| | Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures | 8/13/24 15:00 | 8/13/24 15:26 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:29 | 8/13/24 16:57 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Water and Wastewater Workforce Development – Is your community ready for the challenge? | 8/14/24 13:33 | 8/14/24 14:30 | 0:57 | | 1.0 | 1.0 | 1.0 |
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:19 | 8/14/24 15:55 | 0:35 | | 0.5 | 0.5 | 0.5 |
| | IWEA WASTEWATER LABORATORY ANALYST CERTIFICATION | 8/15/24 8:33 | 8/15/24 9:01 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Flexing Your Procurement Muscle | 8/15/24 9:06 | 8/15/24 9:37 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Basics of pH | 8/15/24 9:45 | 8/15/24 10:15 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | It's Raining N! The Future of Total Nitrogen Limits | 8/15/24 11:27 | 8/15/24 11:56 | 0:29 | 0.5 | | 0.5 | 0.5 |
| atkins, Scot | Credits Requested: Waster | vater | Total C | redits Earned | 4.5 | 1.0 | 0.5 0.5 1.0 1.0 6.5 1.0 1.0 0.5 0.5 0.5 0.5 0.5 0 | 5.5 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:26 | 8/13/24 11:42 | 1:15 | 1.0 | | 1.0 | 1.0 |

| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:18 | 8/13/24 13:55 | 0:36 | 0.5 | | 0.5 | 0.5 |
|----------------|---|---------------|---------------|----------------|------|-----|------|------|
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:00 | 8/13/24 14:32 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:54 | 8/14/24 8:26 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:28 | 8/14/24 9:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:26 | 8/14/24 10:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:04 | 8/14/24 11:01 | 0:56 | | 1.0 | 1.0 | 1.0 |
| | 50 Years Later and SND Still Works | 8/14/24 13:26 | 8/14/24 14:02 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:05 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| Watson, Joshua | Credits Requested: Waste | water | Total C | redits Earned | 4.5 | 0.0 | 4.5 | 4.5 |
| | Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:57 | 8/14/24 8:26 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:27 | 8/14/24 9:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:29 | 8/14/24 10:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:03 | 8/14/24 10:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:27 | 8/14/24 11:05 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | 21ST Century FOG Management | 8/14/24 13:17 | 8/14/24 14:00 | 0:42 | 0.5 | | 0.5 | 0.5 |
| | IU Permits and Applying the Combined Wastestream Formula | 8/14/24 14:04 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Enforcement Response Plan, Violations, and Significant Non- Compliance | 8/14/24 15:14 | 8/14/24 16:15 | 1:01 | 1.0 | | 1.0 | 1.0 |
| Weaver, Jason | Credits Requested: Waster | water | Total C | Credits Earned | 10.0 | 4.0 | 14.0 | 14.0 |
| | Welcome & Keynote Address | 8/13/24 7:49 | 8/13/24 9:00 | 1:10 | | 1.0 | 1.0 | 1.0 |
| | c.coc & negriote riddiess | -, -,= | -, -, | | | | | |

| Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:16 | 1:05 | | 1.0 | 1.0 | 1.0 |
|--|---------------|---------------|------|-----|-----|-----|-----|
| Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:30 | 8/13/24 11:42 | 1:11 | 1.0 | | 1.0 | 1.0 |
| Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:19 | 8/13/24 13:55 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:04 | 8/13/24 14:32 | 0:27 | 0.5 | | 0.5 | 0.5 |
| Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:50 | 8/13/24 15:25 | 0:34 | 0.5 | | 0.5 | 0.5 |
| Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:53 | 8/13/24 16:55 | 1:01 | 1.0 | | 1.0 | 1.0 |
| Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:52 | 8/14/24 8:26 | 0:34 | 0.5 | | 0.5 | 0.5 |
| Benefits of Big Bubble Mixing | 8/14/24 8:28 | 8/14/24 9:00 | 0:31 | 0.5 | | 0.5 | 0.5 |
| WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:25 | 8/14/24 10:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Using your data and SCADA for maintenance and savings | 8/14/24 10:02 | 8/14/24 11:01 | 0:58 | | 1.0 | 1.0 | 1.0 |
| 50 Years Later and SND Still Works | 8/14/24 13:25 | 8/14/24 14:02 | 0:36 | 0.5 | | 0.5 | 0.5 |
| Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:03 | 8/14/24 14:35 | 0:32 | 0.5 | | 0.5 | 0.5 |
| Adaptive mixing and process optimization with energy savings | 8/14/24 15:17 | 8/14/24 15:50 | 0:33 | 0.5 | | 0.5 | 0.5 |
| Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:50 | 8/14/24 16:26 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Wastewater Challenge Demonstration | 8/14/24 16:27 | 8/14/24 16:55 | 0:28 | | 0.5 | 0.5 | 0.5 |
| Ultra-Low Phosphorus Limits | 8/15/24 7:49 | 8/15/24 8:30 | 0:41 | 0.5 | | 0.5 | 0.5 |
| Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:32 | 8/15/24 9:39 | 1:07 | 1.0 | | 1.0 | 1.0 |
| Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:39 | 8/15/24 10:15 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Sustained 60 MGD? Sure, why not! | 8/15/24 10:13 | 8/15/24 10:47 | 0:34 | 0.5 | | 0.5 | 0.5 |

| Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:53 | 8/15/24 11:25 | 0:31 | | 0.5 | 0.5 | 0.5 |
|--|---|---|---|---|------------------------------|---|--|
| Grit Happens - Sustainable Solutions for Grit Management At WWTPs | 8/15/24 11:21 | 8/15/24 11:55 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | |
| Credits Requested: Waster | water | Total C | redits Earned | 3.0 | 1.0 | 4.0 | 4.0 |
| Welcome & Keynote Address | 8/13/24 7:55 | 8/13/24 9:00 | 1:04 | | 1.0 | 1.0 | 1.0 |
| PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:23 | 8/13/24 13:57 | 0:33 | 0.5 | | 0.5 | 0.5 |
| Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:01 | 8/13/24 14:32 | 0:30 | 0.5 | | 0.5 | 0.5 |
| Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 14:55 | 8/13/24 15:27 | 0:32 | 0.5 | | 0.5 | 0.5 |
| Out In The Field Not In A Book | 8/14/24 8:00 | 8/14/24 8:57 | 0:57 | 1.0 | | 1.0 | 1.0 |
| Water Treatment Regulatory Terms & Definitions | 8/14/24 9:27 | 8/14/24 10:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | |
| Credits Requested: | | Total C | redits Earned | 0.5 | 0.0 | 0.5 | 0.5 |
| WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:27 | 8/14/24 10:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | |
| Credits Requested: PDHs | | Total C | redits Earned | 2.5 | 2.0 | 4.5 | 4.5 |
| Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:16 | 1:05 | | 1.0 | 1.0 | 1.0 |
| Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:32 | 8/13/24 11:10 | 0:37 | 0.5 | | 0.5 | 0.5 |
| In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:07 | 8/13/24 11:49 | 0:42 | 0.5 | | 0.5 | 0.5 |
| Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:50 | 8/14/24 8:23 | 0:32 | 0.5 | | 0.5 | 0.5 |
| Hydraulic Modeling - What is it good for? | 8/14/24 8:28 | 8/14/24 9:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| Rate inequity: are your residents | | | | | | | |
| | Considerations: Municipal Vs Industrial WWTPs Grit Happens - Sustainable Solutions for Grit Management At WWTPs Credits Requested: Wastev Welcome & Keynote Address PFAS Regulations Impact on the Future of Land Application Optimizing Final Clarifiers — From Concept to Demonstrated Performance Total Nitrogen Treatment — What is Required vs. What is Realistic Out In The Field Not In A Book Water Treatment Regulatory Terms & Definitions Credits Requested: WWTP Non-Potable Water Systems — The Neglected Plant Process Credits Requested: PDHs Workforce Development Roundtable Conversion of an underutilized combined sewer to a storm sewer In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer Hydraulic Modeling - What is it good for? | Considerations: Municipal Vs Industrial WWTPs Grit Happens - Sustainable Solutions for Grit Management 8/15/24 11:21 At WWTPs Credits Requested: Wastewater Welcome & Keynote Address 8/13/24 7:55 PFAS Regulations Impact on the 8/13/24 13:23 Future of Land Application Optimizing Final Clarifiers – From Concept to Demonstrated Performance Total Nitrogen Treatment – What is Required vs. What is Required vs. What is Realistic Out In The Field Not In A Book 8/14/24 8:00 Water Treatment Regulatory 8/14/24 9:27 Terms & Definitions Credits Requested: WWTP Non-Potable Water Systems – The Neglected Plant Process Credits Requested: PDHs Workforce Development 8/13/24 9:10 Conversion of an underutilized combined sewer to a storm 8/13/24 10:32 sewer In Case of Emergency: Keeping 8/13/24 11:07 Stormwater and Traffic Flowing Safely in Indianapolis, Indiana Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer Hydraulic Modeling - What is it good for? 8/14/24 8:28 | Considerations: Municipal VS Industrial WMTPS Grit Happens - Sustainable Solutions for Grit Management 8/15/24 11:21 8/15/24 11:55 At WWTPS Credits Requested: Wastewater Welcome & Keynote Address 8/13/24 7:55 8/13/24 9:00 PFAS Regulations Impact on the 8/13/24 13:23 8/13/24 13:57 Future of land Application Optimizing Final Clarifiers — From Concept to Demonstrated 8/13/24 14:01 8/13/24 14:32 Performance Total Nitrogen Treatment — What is Required vs. What is 8/13/24 14:55 8/13/24 15:27 Realistic Out In The Field Not In A Book 8/14/24 8:00 8/14/24 8:57 Water Treatment Regulatory 8/14/24 9:27 8/14/24 10:00 Credits Requested: Total C WWTP Non-Potable Water Systems — The Neglected Plant 8/14/24 9:27 8/14/24 10:00 Credits Requested: PDHs Total C Workforce Development 8/13/24 10:32 8/13/24 10:16 Roundtable Conversion of an underutilized combined sewer to a storm 8/13/24 10:32 8/13/24 11:10 sewer In Case of Emergency: Keeping 8/13/24 11:07 8/13/24 11:49 Stormwater and Traffic Flowing Safely in Indianapolis, Indiana Adapt and Overcome: Challenges of Rehabilitating a 8/14/24 8:28 8/14/24 9:00 Bylad 14/24 9:00 Bylad 14/24 8:23 Bylad 14/24 8:28 8/14/24 9:00 Bylad 14/24 9:00 Bylad 14:24 9:00 Bylad 14:24 9:00 Bylad 14:24 8:23 Bylad 14:24 9:00 Bylad 14:24 8:23 Bylad 14:24 8:28 Bylad 14:24 9:00 Bylad 14:24 8:28 Bylad 14:24 9:00 Bylad 14:24 8:28 Bylad 14:24 9:00 | Considerations: Municipal Vs Industrial WWTPs Grit Happens - Sustainable Solutions for Grit Management 8/15/24 11:21 8/15/24 11:55 0:34 At WWTPs Credits Requested: Wastewater Total Credits Earned Welcome & Keynote Address 8/13/24 13:23 8/13/24 9:00 1:04 PFAS Regulations Impact on the Future of Land Application 8/13/24 13:23 8/13/24 13:57 0:33 Optimizing Final Clariflers - From Concept to Demonstrated 8/13/24 14:01 8/13/24 14:32 0:30 Performance Total Nitrogen Treatment - What is Required vs. What is 8/13/24 14:55 8/13/24 15:27 0:32 Realistic Out In The Field Not In A Book 8/14/24 8:00 8/14/24 8:57 0:57 Water Treatment Regulatory 8/14/24 9:27 8/14/24 10:00 0:33 Credits Requested: Total Credits Earned WWTP Non-Potable Water Systems - The Neglected Plant Process Credits Requested: PDHs Total Credits Earned Workforce Development 8/13/24 9:10 8/13/24 10:16 1:05 Credits Requested: PDHs Total Credits Earned Workforce Development 8/13/24 10:32 8/13/24 11:10 0:37 sewer In Case of Emergency: Keeping 8/13/24 10:32 8/13/24 11:10 0:37 sewer In Case of Emergency: Keeping 8/13/24 11:07 8/13/24 11:49 0:42 Hydraulic Modeling - What is it good for? 8/14/24 8:28 8/14/24 9:00 0:32 | Considerations: Municipal Vs | Considerations: Municipal vs 8/15/24 10:53 8/15/24 11:25 0:31 0.5 | Considerations: Municipal vs 8/15/24 10:53 8/15/24 11:25 0:31 0:5 0.5 0.5 Industrial WWTPs Grit Happens - Sustainable 8/15/24 11:21 8/15/24 11:55 0:34 0:5 0:5 0.5 Credits Requested: Wastewater Total Credits Earned 3:0 1:0 4:0 Welcome & Keynote Address 8/13/24 13:23 8/13/24 9:00 1:04 1:0 1:0 PARS Requisations Impact on the 8/13/24 13:23 8/13/24 13:57 0:33 0:5 0:5 Optimizing Final Clariffers - From Concept to Demonstrated 8/13/24 14:01 8/13/24 14:32 0:30 0:5 0:5 Performance S/13/24 14:05 8/13/24 15:27 0:32 0:5 0:5 Total Nitroger Treatment - What is Required vs. What is 8/13/24 14:55 8/13/24 15:27 0:32 0:5 0:5 Realistic Out in the Field Not in A Book 8/14/24 8:00 8/14/24 8:57 0:57 1:0 1:0 Water Treatment Regulatory 8/14/24 9:27 8/14/24 10:00 0:33 0:5 0:5 Credits Requested: Total Credits Earned 0.5 0.0 0.5 Credits Requested: Total Credits Earned 0.5 0.0 0.5 WWTP Non-Potable Water Systems - The Neglected Plant 8/13/24 9:27 8/14/24 10:00 0:33 0:5 0:5 Credits Requested: PDHs Total Credits Earned 2.5 2.0 4.5 Workforce Development 8/13/24 9:10 8/13/24 11:10 0:37 0:5 0:5 Credits Requested: PDHs Total Credits Earned 2.5 2.0 4.5 Workforce Development 8/13/24 9:10 8/13/24 11:10 0:37 0:5 0:5 Sever In Case of Emergency: Keeping 8/13/24 11:07 8/13/24 11:49 0:42 0:5 0:5 Softwin Industrialing a 8/14/24 7:50 8/14/24 8:23 0:32 0:5 0:5 Optimizing for Rehabilitating a 8/14/24 8:28 8/14/24 9:00 0:32 0:5 0:5 Bytalian |

| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:33 | 8/14/24 11:05 | 0:31 | 0.5 | | 0.5 | 0.5 |
|-----------------------|---|---------------|---------------|----------------|-----|-----|-----|-----|
| Wehmeyer, Emily | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 1.0 | 3.0 | 4.0 | 4.0 |
| | Welcome & Keynote Address | 8/13/24 8:05 | 8/13/24 9:00 | 0:54 | | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:16 | 1:05 | | 1.0 | 1.0 | 1.0 |
| | IDEM Update | 8/13/24 15:59 | 8/13/24 16:28 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 15:59 | 8/13/24 16:29 | 0:30 | | 0.5 | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:15 | 8/15/24 10:47 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | UPDATED - Emergency Replacement of a Blower During a Planning Project at the Wyoming Clean Water Plant | 8/15/24 11:24 | 8/15/24 11:57 | 0:33 | 0.5 | | 0.5 | 0.5 |
| Weidenbenner, Whitney | 0 12 0 1 1 222 | | - | 1 1 | | 4.0 | 2.0 | 2.0 |
| | Credits Requested: PDHs | | Total C | redits Earned | 2.0 | 1.0 | 3.0 | 3.0 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:23 | 8/13/24 13:57 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 15:01 | 8/13/24 15:25 | 0:24 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:56 | 8/13/24 16:28 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:30 | 8/13/24 16:57 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:32 | 8/14/24 9:00 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:04 | 8/14/24 14:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Weigel, Dick | Credits Paguestad: | | Total C | redits Earned | 1.5 | 1.0 | 2.5 | 2.5 |
| | Credits Requested: | | iotaic | reuits carried | 1.0 | 1.0 | 2.5 | 2.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:04 | 8/14/24 10:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:33 | 8/14/24 11:05 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Ethics in Engineering | 8/14/24 13:28 | 8/14/24 14:30 | 1:02 | | 1.0 | 1.0 | 1.0 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:17 | 8/14/24 15:55 | 0:38 | 0.5 | | 0.5 | 0.5 |

| Welch, Elijah | Condito Danis de La serie | | T.: 10 | and the Fermi | 1 F | 1 E | 0.0 | 0.0 |
|---------------|--|---------------|---------------|---------------|-----|-----|-----|-----|
| | Credits Requested: PDHs | | Total C | redits Earned | 4.5 | 4.5 | 9.0 | 9.0 |
| | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks | 8/13/24 13:25 | 8/13/24 13:54 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:03 | 8/13/24 14:31 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 15:02 | 8/13/24 15:25 | 0:22 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:55 | 8/13/24 16:28 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | Forecasting Urban Water Escherichia coli Contamination Using Machine Learning Models | 8/13/24 16:29 | 8/13/24 17:00 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | Mastering the Art of Master Planning | 8/14/24 8:02 | 8/14/24 9:00 | 0:58 | 1.0 | | 1.0 | 1.0 |
| | Rate inequity: are your residents subsidizing the growth in your community? | 8/14/24 9:30 | 8/14/24 10:30 | 0:59 | | 1.0 | 1.0 | 1.0 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:24 | 8/14/24 14:00 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:04 | 8/14/24 14:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility | 8/15/24 7:54 | 8/15/24 8:30 | 0:36 | | 0.5 | 0.5 | 0.5 |
| | Emergency Preparedness and Procedures | 8/15/24 8:32 | 8/15/24 9:10 | 0:37 | | 0.5 | 0.5 | 0.5 |
| | Flexing Your Procurement Muscle | 8/15/24 9:12 | 8/15/24 9:38 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:43 | 8/15/24 10:15 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:09 | 8/15/24 10:47 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:59 | 8/15/24 11:25 | 0:25 | | 0.5 | 0.5 | 0.5 |

| W. Hall V. | UPDATED - Emergency Replacement of a Blower During a Planning Project at the Wyoming Clean Water Plant | 8/15/24 11:21 | 8/15/24 11:57 | 0:35 | 0.5 | | 0.5 | 0.5 |
|----------------|--|---|--|----------------------|-----|-----|-------------------|-------------------|
| Wendholt, Kara | Credits Requested: | | Total C | redits Earned | 2.0 | 1.5 | 3.5 | 3.5 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:37 | 8/13/24 11:10 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap | 8/13/24 11:13 | 8/13/24 11:42 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:26 | 8/14/24 9:00 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Rate inequity: are your residents subsidizing the growth in your community? | 8/14/24 9:30 | 8/14/24 10:30 | 0:59 | | 1.0 | 1.0 | 1.0 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:32 | 8/14/24 14:00 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 16:00 | 8/14/24 16:26 | 0:25 | 0.5 | | 0.5 | 0.5 |
| Wenger, Erin | | | | | | | | - |
| | Credits Requested: PDHs | | Total C | redits Earned | 1.5 | 2.0 | 3.5 | 3.5 |
| | Credits Requested: PDHs Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:39 | Total C 8/13/24 11:10 | 0:30 | 0.5 | 2.0 | 0.5 | 0.5 |
| | Conversion of an underutilized combined sewer to a storm | 8/13/24 10:39 8/13/24 11:10 | | | | 2.0 | | |
| | Conversion of an underutilized combined sewer to a storm sewer In Case of Emergency: Keeping Stormwater and Traffic Flowing | | 8/13/24 11:10 | 0:30 | 0.5 | 0.5 | 0.5 | 0.5 |
| | Conversion of an underutilized combined sewer to a storm sewer In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana Urban Stormwater Retrofit: Case Study of Broad Ripple | 8/13/24 11:10 | 8/13/24 11:10 8/13/24 11:49 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Conversion of an underutilized combined sewer to a storm sewer In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis Regional Stormwater Detention Basins – Treating urban runoff outside your project Benefits of Partnering to Reduce | 8/13/24 11:10 8/13/24 13:26 | 8/13/24 11:10 8/13/24 11:49 8/13/24 14:01 | 0:30 0:39 0:34 | 0.5 | 0.5 | 0.5 0.5 0.5 | 0.5 0.5 |
| | Conversion of an underutilized combined sewer to a storm sewer In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 11:10 8/13/24 13:26 8/13/24 14:02 | 8/13/24 11:10 8/13/24 11:49 8/13/24 14:01 8/13/24 14:31 | 0:30 0:39 0:34 | 0.5 | 0.5 | 0.5 0.5 0.5 | 0.5 0.5 0.5 |

| !! B . ! | | | 111 = 1 | 44.5 | 2.5 | 44.0 | 44.0 |
|---|--|--|--|---|---|-----------------------|---|
| • | | | | 11.5 | | | 14.0 |
| · · | 8/13/24 7:58 | 8/13/24 9:00 | 1:01 | | 1.0 | 1.0 | 1.0 |
| • | 8/13/24 9:10 | 8/13/24 10:16 | 1:05 | | 1.0 | 1.0 | 1.0 |
| | 8/13/24 10:30 | 8/13/24 11:10 | 0:39 | 0.5 | | 0.5 | 0.5 |
| ater and Traffic Flowing | 8/13/24 11:11 | 8/13/24 11:49 | 0:37 | 0.5 | | 0.5 | 0.5 |
| tion & The Benefits to | 8/13/24 13:25 | 8/13/24 13:55 | 0:29 | 0.5 | | 0.5 | 0.5 |
| ncept to Demonstrated | 8/13/24 14:01 | 8/13/24 14:32 | 0:30 | 0.5 | | 0.5 | 0.5 |
| Required vs. What is | 8/13/24 14:57 | 8/13/24 14:59 | 0:01 | 0.0 | | 0.0 | 0.0 |
| • | 8/13/24 14:59 | 8/13/24 15:25 | 0:25 | 0.5 | | 0.5 | 0.5 |
| Requirements for | 8/13/24 15:53 | 8/13/24 16:55 | 1:01 | 1.0 | | 1.0 | 1.0 |
| he Field Not In A Book | 8/14/24 7:51 | 8/14/24 8:57 | 1:06 | 1.0 | | 1.0 | 1.0 |
| | 8/14/24 9:24 | 8/14/24 10:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| • | 8/14/24 10:03 | 8/14/24 10:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| itcome of this Non- nal, Flexible Approach to g an Almost 100-Year- | 8/14/24 10:26 | 8/14/24 11:05 | 0:39 | 0.5 | | 0.5 | 0.5 |
| Later and SND Still | 8/14/24 13:25 | 8/14/24 14:02 | 0:36 | 0.5 | | 0.5 | 0.5 |
| Capacity Compared to | 8/14/24 14:05 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| e Prairie Oaks Pipeline | 8/14/24 15:13 | 8/14/24 15:55 | 0:42 | 0.5 | | 0.5 | 0.5 |
| | edits Requested: Wastevere & Keynote Address Tree Development sable Torce Development sable Tree Tree Tree Tree Tree Tree Tree Tre | rice Development able solution of an underutilized ed sewer to a storm of Emergency: Keeping ater and Traffic Flowing in Indianapolis, Indiana ic Acid for Wastewater strong & Shall Utilities solution & The Benefits to ind Small Utilities solution & Shall Utilities solution | ## Reynote Address ## Reynote Address ## Reynote Address ## Reynote Development ## Repaired Proceedings ## Reynote Address ## R | 1.01 1.01 1.01 1.01 1.01 1.01 1.01 1.01 1.02 1.01 1.01 1.05 | No. No. | the & Keynote Address | Ne & Keynote Address 8/13/24 7-58 8/13/24 9:00 1:01 1:0 |

| | Credits Requested: PDHs | | Total C | Credits Earned | 2.5 | 1.5 | 4.0 | 4.0 |
|----------------|--|---------------|---------------|----------------|-----|-----|-----|-----|
| Wessler, Marty | Basics of pH | 8/15/24 9:48 | 8/15/24 10:15 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Flexing Your Procurement Muscle | 8/15/24 9:10 | 8/15/24 9:37 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Emergency Preparedness and Procedures | 8/15/24 8:37 | 8/15/24 9:10 | 0:32 | | 0.5 | 0.5 | 0.5 |
| | Electrical Safety for Wastewater Operators and Maintenance Personnel | 8/15/24 7:59 | 8/15/24 8:30 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 14:59 | 8/13/24 15:28 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:58 | 8/13/24 15:25 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:23 | 8/13/24 13:55 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:30 | 8/13/24 11:42 | 1:11 | 1.0 | | 1.0 | 1.0 |
| | Credits Requested: | | Total C | Credits Earned | 3.0 | 1.5 | 4.5 | 4.5 |
| WERNER, JEFF | Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories | 8/15/24 11:01 | 8/15/24 11:55 | 0:54 | 1.0 | | 1.0 | 1.0 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:09 | 8/15/24 10:47 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:45 | 8/15/24 10:15 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:08 | 8/15/24 9:40 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | IWEA WASTEWATER LABORATORY ANALYST CERTIFICATION | 8/15/24 8:32 | 8/15/24 9:01 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Tips for Labs that you may not know | 8/15/24 7:53 | 8/15/24 8:30 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:29 | 8/14/24 16:55 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:51 | 8/14/24 16:26 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | | |

| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:28 | 8/14/24 10:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
|----------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:04 | 8/14/24 11:01 | 0:57 | | 1.0 | 1.0 | 1.0 |
| | 50 Years Later and SND Still Works | 8/14/24 13:29 | 8/14/24 14:02 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:03 | 8/14/24 14:35 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:17 | 8/14/24 15:55 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:49 | 8/14/24 16:26 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Leading Change | 8/14/24 16:29 | 8/14/24 16:58 | 0:29 | | 0.5 | 0.5 | 0.5 |
| Whitaker, Matt | | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 2.5 | 0.0 | 2.5 | 2.5 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:26 | 8/13/24 13:57 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants | 8/13/24 13:59 | 8/13/24 14:26 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:16 | 8/14/24 15:55 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:50 | 8/14/24 16:26 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:25 | 8/14/24 16:55 | 0:29 | 0.5 | | 0.5 | 0.5 |
| White, Amanda | | | | | | | | |
| | Credits Requested: PDHs | | Total C | redits Earned | 5.5 | 0.5 | 6.0 | 6.0 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:28 | 8/14/24 10:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:04 | 8/14/24 10:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:31 | 8/14/24 14:00 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:04 | 8/14/24 14:35 | 0:31 | 0.5 | | 0.5 | 0.5 |

| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:19 | 8/14/24 15:55 | 0:36 | 0.5 | | 0.5 | 0.5 |
|--------------|---|--------------------------------|--------------------------------|---------------|-----|-----|-----|-----|
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:49 | 8/14/24 16:26 | 0:36 | 0.5 | | 0.5 | 0.5 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:26 | 8/14/24 16:55 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:35 | 8/15/24 9:07 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges | 8/15/24 9:44 | 8/15/24 10:15 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:12 | 8/15/24 10:47 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:56 | 8/15/24 11:25 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens - Sustainable Solutions for Grit Management At WWTPs | 8/15/24 11:21 | 8/15/24 11:55 | 0:34 | 0.5 | | 0.5 | 0.5 |
| White, Kelly | | | | | | | | |
| | Credits Requested: PDHs | | Total C | redits Earned | 4.5 | 2.0 | 6.5 | 6.5 |
| | IDEM Update | 8/13/24 15:54 | 8/13/24 16:28 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:49 | 8/14/24 8:26 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:27 | 8/14/24 9:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:30 | 8/14/24 10:00 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:01 | 8/14/24 10:35 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline | | | | | | | |
| | Rehab | 8/14/24 15:16 | 8/14/24 15:55 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | | 8/14/24 15:16 8/14/24 15:52 | 8/14/24 15:55 8/14/24 16:26 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | Rehab Use of Pipe Storage System for | | | | | | | |
| | Rehab Use of Pipe Storage System for Sustainable CSO Reduction Minges Brook Pump Station - Ten Gallons of Pump Station in | 8/14/24 15:52 | 8/14/24 16:26 | 0:33 | 0.5 | 0.5 | 0.5 | 0.5 |

| | Primary Clarifier Sludge and Scum | 8/15/24 9:14 | 8/15/24 9:40 | 0:25 | 0.5 | | 0.5 | 0.5 |
|---------------|--|------------------------------|---------------|----------------|-----|-----|-----|-----|
| | City of Kalamazoo's Holistic Approach to Selecting New Process Technologies | 8/15/24 9:38 | 8/15/24 10:50 | 1:11 | | 1.0 | 1.0 | 1.0 |
| /hite, Kevin | | | | | 0.5 | 0.0 | 0.5 | 2 - |
| | Credits Requested: | | Total C | Credits Earned | 3.5 | 0.0 | 3.5 | 3.5 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:36 | 8/13/24 11:42 | 1:06 | 1.0 | | 1.0 | 1.0 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:56 | 8/13/24 15:25 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:51 | 8/14/24 8:23 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:29 | 8/14/24 14:00 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:16 | 8/14/24 15:55 | 0:39 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:53 | 8/14/24 16:26 | 0:32 | 0.5 | | 0.5 | 0.5 |
| ichman, David | | | | | 4.5 | 0.5 | 4.0 | 1.0 |
| | Credits Requested: PDHs | | ı otal C | Credits Earned | 1.5 | 2.5 | 4.0 | 4.0 |
| | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks | 8/13/24 13:24 | 8/13/24 13:54 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | 8/13/24 13:55 | 8/13/24 14:31 | 0:35 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 14:55 | 8/13/24 15:28 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | SRF Basics | 8/13/24 15:58 | 8/13/24 16:29 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | | 0/11/01 7.50 | 8/14/24 8:26 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:58 | | | | | | |
| | | 8/14/24 7:58 8/14/24 8:29 | 8/14/24 9:00 | 0:30 | 0.5 | | 0.5 | 0.5 |

| | Back to Basics: Review of UV Disinfection | 8/15/24 8:32 | 8/15/24 9:07 | 0:34 | 0.5 | | 0.5 | 0.5 |
|-------------------------|---|---------------|---------------|----------------|-----|-----|-----|-----|
| | Credits Requested: | | Total C | Credits Earned | 3.5 | 1.0 | 4.5 | 4.5 |
| | Welcome & Keynote Address | 8/13/24 7:58 | 8/13/24 9:00 | 1:01 | | 1.0 | 1.0 | 1.0 |
| | Ultra-Low Phosphorus Limits | 8/15/24 7:54 | 8/15/24 8:30 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Informed Decision-Making for Electrical and Controls Systems | 8/15/24 8:34 | 8/15/24 9:39 | 1:05 | 1.0 | | 1.0 | 1.0 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:35 | 8/15/24 9:07 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:09 | 8/15/24 9:40 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:15 | 8/15/24 10:47 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | It's Raining N! The Future of Total Nitrogen Limits | 8/15/24 11:29 | 8/15/24 11:56 | 0:26 | 0.5 | | 0.5 | 0.5 |
| Wilhelm-Olsen, Victoria | | | | | 4 = | | | |
| | Credits Requested: | | Total C | Credits Earned | 1.5 | 2.5 | 4.0 | 4.0 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:25 | 8/14/24 9:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Rate inequity: are your residents subsidizing the growth in your community? | 8/14/24 9:32 | 8/14/24 10:30 | 0:57 | | 1.0 | 1.0 | 1.0 |
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:34 | 8/14/24 11:04 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:31 | 8/14/24 14:00 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:04 | 8/14/24 14:30 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:18 | 8/14/24 15:55 | 0:36 | | 0.5 | 0.5 | 0.5 |
| | Getting the Next Generation Excited about Wastewater | 8/14/24 15:57 | 8/14/24 16:25 | 0:28 | | 0.5 | 0.5 | 0.5 |
| Wilhelmus, Vince | | | - | | 4.0 | | | |
| | Credits Requested: | | Total C | Credits Earned | 4.0 | 0.0 | 4.0 | 4.0 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:57 | 8/14/24 8:23 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:24 | 8/14/24 9:00 | 0:36 | 0.5 | | 0.5 | 0.5 |

| WWTF Non-Penalte Water Sylam Syl | | | | | | | | | |
|--|------------------|--|---------------|---------------|---------------|-----|-----|-----|-----|
| Danville, IN | | Systems – The Neglected Plant | 8/14/24 9:25 | 8/14/24 10:00 | 0:34 | 0.5 | | 0.5 | 0.5 |
| Final Outcome of this Non- Traditions, Flexible Approach to Solveging an Almost 100-Year- Old Sewer Foster Park Relief Sewer | | · | 8/14/24 10:04 | 8/14/24 10:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| Indian Village CSO 005 | | Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- | 8/14/24 10:27 | 8/14/24 11:05 | 0:38 | 0.5 | | 0.5 | 0.5 |
| Under a Ditch, Railroad, and State Road in Greendale, Indiana | | Indian Village CSO 005 | 8/14/24 13:28 | 8/14/24 14:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| Credits Requested: PDHs Total Credits Earned 3.5 6.0 9.5 9.5 | | under a Ditch, Railroad, and State Road in Greendale, | 8/14/24 14:01 | 8/14/24 14:30 | 0:28 | 0.5 | | 0.5 | 0.5 |
| Credits Requested: PDHs Total Credits Earned 3.5 6.0 9.5 9.5 | | | 8/14/24 15:18 | 8/14/24 15:55 | 0:36 | 0.5 | | 0.5 | 0.5 |
| Workforce Development 8/13/24 9:10 8/13/24 10:16 1:05 1.0 1.0 1.0 1.0 | Williams, Andrew | Credits Requested: PDHs | | Total C | redits Farned | 3.5 | 6.0 | 9.5 | 9.5 |
| Your Plant may be over looking PFAS Regulations Impact on the Future of Land Application 8/13/24 13:25 8/13/24 13:57 0:31 0.5 0.5 0.5 Optimizing Final Clarifiers – From Concept to Demonstrated Performance 8/13/24 14:01 8/13/24 14:32 0:31 0.5 0.5 0.5 Benefits of Partnering to Reduce Inflow and Infiltration 8/13/24 14:54 8/13/24 15:25 0:30 0.5 0.5 0.5 The Danish story of using low-hanging-fruit to reduce energy, arbon, and resourcesgy and carbon 8/13/24 15:55 8/13/24 15:59 0:03 0.0 0.0 0.0 IDEM Update 8/13/24 15:59 8/13/24 16:28 0:28 0.5 0.5 0.5 The Need to Understand and Manage Water Availability within Basins in Indiana 8/13/24 16:30 8/13/24 16:57 0:27 0.5 0.5 0.5 Mastering the Art of Master 8/14/24 7:57 8/14/24 9:00 1:03 1.0 1.0 1.0 1.0 | | Workforce Development | 8/13/24 9:10 | | | 0.0 | | | |
| Future of Land Application 6/13/24 13:23 6/13/24 13:37 0.31 0.3 0.3 0.3 Optimizing Final Clarifiers — From Concept to Demonstrated Performance Benefits of Partnering to Reduce Inflow and Infiltration 8/13/24 14:54 8/13/24 15:25 0:30 0.5 0.5 0.5 0.5 | | · | 8/13/24 10:28 | 8/13/24 11:42 | 1:13 | 1.0 | | 1.0 | 1.0 |
| From Concept to Demonstrated Performance Benefits of Partnering to Reduce Inflow and Infiltration The Danish story of using low-hanging-fruit to reduce energy, and carbon IDEM Update Benefits of Partnering to Reduce 8/13/24 14:54 8/13/24 15:55 8/13/24 15:59 0:30 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0 | | | 8/13/24 13:25 | 8/13/24 13:57 | 0:31 | 0.5 | | 0.5 | 0.5 |
| Inflow and Infiltration The Danish story of using low-hanging-fruit to reduce energy, alta 15:55 8/13/24 15:59 0:03 0.0 0.0 0.0 0.0 carbon, and resourcesgy and carbon IDEM Update 8/13/24 15:59 8/13/24 16:28 0:28 0.5 0.5 0.5 0.5 The Need to Understand and Manage Water Availability 8/13/24 16:30 8/13/24 16:57 0:27 0.5 0.5 0.5 0.5 within Basins in Indiana Mastering the Art of Master 8/14/24 7:57 8/14/24 9:00 1:03 1.0 1.0 1.0 | | From Concept to Demonstrated | 8/13/24 14:01 | 8/13/24 14:32 | 0:31 | 0.5 | | 0.5 | 0.5 |
| hanging-fruit to reduce energy, 8/13/24 15:55 8/13/24 15:59 0:03 0.0 0.0 0.0 0.0 carbon, and resourcesgy and carbon IDEM Update 8/13/24 15:59 8/13/24 16:28 0:28 0.5 0.5 0.5 The Need to Understand and Manage Water Availability 8/13/24 16:30 8/13/24 16:57 0:27 0.5 0.5 0.5 0.5 within Basins in Indiana Mastering the Art of Master 8/14/24 7:57 8/14/24 9:00 1:03 1.0 1.0 1.0 | | • | 8/13/24 14:54 | 8/13/24 15:25 | 0:30 | 0.5 | | 0.5 | 0.5 |
| IDEM Update | | hanging-fruit to reduce energy, carbon, and resourcesgy and | 8/13/24 15:55 | 8/13/24 15:59 | 0:03 | 0.0 | | 0.0 | 0.0 |
| Manage Water Availability 8/13/24 16:30 8/13/24 16:57 0:27 0.5 0.5 0.5 within Basins in Indiana Mastering the Art of Master 8/14/24 7:57 8/14/24 9:00 1:03 1.0 1.0 1.0 | | | 8/13/24 15:59 | 8/13/24 16:28 | 0:28 | | 0.5 | 0.5 | 0.5 |
| 0/14/24 7.37 | | Manage Water Availability | 8/13/24 16:30 | 8/13/24 16:57 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | | | | | | | | | |

| | Rate inequity: are your residents subsidizing the growth in your community? | 8/14/24 9:20 | 8/14/24 10:30 | 1:09 | | 1.0 | 1.0 | 1.0 |
|--------------------------|--|----------------------|---------------|----------------|-----|-----|-----|-----|
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:30 | 8/14/24 11:04 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | Ethics in Engineering | 8/14/24 13:23 | 8/14/24 14:30 | 1:07 | | 1.0 | 1.0 | 1.0 |
| | Indiana Law and Statutes | 8/14/24 15:15 | 8/14/24 16:22 | 1:07 | | 1.0 | 1.0 | 1.0 |
| | Wastewater Challenge Demonstration | 8/14/24 16:28 | 8/14/24 16:55 | 0:27 | | 0.5 | 0.5 | 0.5 |
| Williams, Craig | Credits Requested: Drinkin | ng Water, Wastewater | Total C | Credits Earned | 4.0 | 2.5 | 6.5 | 6.5 |
| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:37 | 8/13/24 11:42 | 1:04 | 1.0 | | 1.0 | 1.0 |
| | IDEM Update | 8/13/24 15:57 | 8/13/24 16:28 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:30 | 8/13/24 16:57 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Challenges In The Field | 8/14/24 10:02 | 8/14/24 10:58 | 0:55 | 1.0 | | 1.0 | 1.0 |
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:35 | 8/14/24 11:04 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:31 | 8/15/24 9:07 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:10 | 8/15/24 9:40 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | City of Kalamazoo's Holistic Approach to Selecting New Process Technologies | 8/15/24 9:45 | 8/15/24 10:50 | 1:04 | | 1.0 | 1.0 | 1.0 |
| | Keeping pace with current dynamic state of UV disinfection. An overview of different style UV systems, and what are the drivers when picking between technologies. | 8/15/24 10:17 | 8/15/24 11:30 | 1:12 | 1.0 | | 1.0 | 1.0 |
| Williams, Kenneth s | - | | | | | | | |
| | Credits Requested: | | Total C | redits Earned | 0.5 | 0.0 | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:49 | 8/13/24 15:25 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Williams, Tracy | | | | | 0.0 | 4.0 | 1.0 | 4.0 |
| | Credits Requested: | | | redits Earned | 0.0 | 1.0 | 1.0 | 1.0 |
| Millians Millians (500) | Welcome & Keynote Address | 8/13/24 8:05 | 8/13/24 9:00 | 0:54 | | 1.0 | 1.0 | 1.0 |
| Williams, William (Bill) | Credits Requested: Waster | | | redits Earned | 4.5 | 4.0 | 8.5 | 8.5 |
| | Welcome & Keynote Address | 8/13/24 7:49 | 8/13/24 9:00 | 1:10 | | 1.0 | 1.0 | 1.0 |
| | | | | | | | | |

| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:29 | 8/13/24 11:42 | 1:13 | 1.0 | | 1.0 | 1.0 |
|---------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:22 | 8/13/24 13:57 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:04 | 8/13/24 14:32 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:56 | 8/13/24 15:25 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:59 | 8/13/24 16:28 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:32 | 8/13/24 16:57 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:25 | 8/14/24 9:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Rate inequity: are your residents subsidizing the growth in your community? | 8/14/24 9:24 | 8/14/24 10:30 | 1:05 | | 1.0 | 1.0 | 1.0 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:34 | 8/14/24 11:05 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Water and Wastewater Workforce Development – Is your community ready for the challenge? | 8/14/24 13:35 | 8/14/24 14:30 | 0:54 | | 1.0 | 1.0 | 1.0 |
| | Adaptive mixing and process optimization with energy savings | 8/14/24 15:17 | 8/14/24 15:50 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:50 | 8/14/24 16:26 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Wilson, Brian | | | | | | 2.5 | | |
| | Credits Requested: PDHs | | Total C | redits Earned | 5.5 | 0.5 | 6.0 | 6.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:38 | 8/13/24 11:10 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:08 | 8/13/24 11:49 | 0:41 | 0.5 | | 0.5 | 0.5 |

| ommunication & Collaboration: ow we managed multiple esign iterations of a 600,000 orage facility in Indianapolis | 8/13/24 13:59 | 8/13/24 14:31 | 0:31 | | 0.5 | 0.5 | 0.5 |
|--|--|--|--|---|--|--|--|
| dapt and Overcome: nallenges of Rehabilitating a D-inch Sewer | 8/14/24 7:51 | 8/14/24 8:25 | 0:34 | 0.5 | | 0.5 | 0.5 |
| ydraulic Modeling - What is it ood for? | 8/14/24 8:25 | 8/14/24 9:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| sing AI, GIS & Digital Twins to rive Smarter Sewer Inspections | 8/14/24 9:30 | 8/14/24 10:00 | 0:29 | 0.5 | | 0.5 | 0.5 |
| orth Interceptor Sewer - anville, IN | 8/14/24 10:03 | 8/14/24 10:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| oward Roosa Sewer – The nal Outcome of this Non- aditional, Flexible Approach to alvaging an Almost 100-Year- ld Sewer | 8/14/24 10:26 | 8/14/24 11:05 | 0:39 | 0.5 | | 0.5 | 0.5 |
| oster Park Relief Sewer – dian Village CSO 005 onnection | 8/14/24 13:24 | 8/14/24 14:00 | 0:36 | 0.5 | | 0.5 | 0.5 |
| itical Crossing: Gravity Sewer nder a Ditch, Railroad, and ate Road in Greendale, diana | 8/14/24 14:02 | 8/14/24 14:30 | 0:27 | 0.5 | | 0.5 | 0.5 |
| fayette Prairie Oaks Pipeline ehab | 8/14/24 15:17 | 8/14/24 15:55 | 0:38 | 0.5 | | 0.5 | 0.5 |
| se of Pipe Storage System for ustainable CSO Reduction | 8/14/24 15:50 | 8/14/24 16:26 | 0:35 | 0.5 | | 0.5 | 0.5 |
| Credits Requested: | | Total C | redits Earned | 4.5 | 4.0 | 8.5 | 8.5 |
| onversion of an underutilized ombined sewer to a storm ewer | 8/13/24 10:30 | 8/13/24 11:10 | 0:39 | 0.5 | | 0.5 | 0.5 |
| Case of Emergency: Keeping ormwater and Traffic Flowing afely in Indianapolis, Indiana | 8/13/24 11:10 | 8/13/24 11:49 | 0:39 | 0.5 | | 0.5 | 0.5 |
| rban Stormwater Retrofit: ase Study of Broad Ripple venue in Indianapolis | 8/13/24 13:27 | 8/13/24 14:01 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | ow we managed multiple esign iterations of a 600,000 orage facility in Indianapolis dapt and Overcome: hallenges of Rehabilitating a D-inch Sewer vidraulic Modeling - What is it bod for? Sing AI, GIS & Digital Twins to rive Smarter Sewer Inspections orth Interceptor Sewer - anville, IN Doward Roosa Sewer - The hal Outcome of this Non- haditional, Flexible Approach to halvaging an Almost 100-Year- d Sewer Dister Park Relief Sewer - dian Village CSO 005 Donnection itical Crossing: Gravity Sewer hader a Ditch, Railroad, and hate Road in Greendale, diana fayette Prairie Oaks Pipeline hab se of Pipe Storage System for histainable CSO Reduction Credits Requested: Donnersion of an underutilized hambined sewer to a storm haver Case of Emergency: Keeping ormwater and Traffic Flowing hardely in Indianapolis, Indiana reban Stormwater Retrofit: has Study of Broad Ripple | sow we managed multiple sign iterations of a 600,000 orage facility in Indianapolis dapt and Overcome: dalenges of Rehabilitating a sol-inch Sewer odraulic Modeling - What is it sod for? sing AI, GIS & Digital Twins to sive Smarter Sewer Inspections orth Interceptor Sewer - anville, IN solutional, Flexible Approach to silvaging an Almost 100-Year-digaging an Almost 100-Year-digaging an Almost 100-Year-digage CSO 005 somection sitical Crossing: Gravity Sewer oder a Ditch, Railroad, and ata Road in Greendale, diana fayette Prairie Oaks Pipeline shab se of Pipe Storage System for instainable CSO Reduction solutions of the Indianapolis, Indiana orban Stormwater and Traffic Flowing iffely in Indianapolis, Indiana orban Stormwater Retrofit: itse Study of Broad Ripple 8/13/24 13:27 | www.emanaged multiple 8/13/24 13:59 8/13/24 14:31 sign iterations of a 600,000 orage facility in Indianapolis dapt and Overcome: hallenges of Rehabilitating a 8/14/24 7:51 8/14/24 8:25 shinch Sewer drawlic Modeling - What is it sood for? 8/14/24 8:25 8/14/24 9:00 order of control of co | Say Say | www.emanaged multiple 8/13/24 13:59 8/13/24 14:31 0:31 Segret and Commercial Segret are a commercial Segret and Segret | www.emanaged multiple sylsip iterations of a 600,000 orage facility in Indianapolis sippi tareal too for a 600,000 orage facility in Indianapolis sippi tareal too for a 600,000 orage facility in Indianapolis sippi tareal too for a 600,000 orage facility in Indianapolis sippi tareal too for a 600,000 orage facility in Indianapolis sippi tareal too for a 600,000 orage facility in Indianapolis sippi tareal too for a 600,000 orage facility in Indianapolis sippi tareal too for a 600,000 orage facility in Indianapolis sippi tareal too for a 600,000 orage facility in Indianapolis sippi tareal too for a 600,000 orage facility in Indianapolis sippi tareal too for a 600,000 orage facility in Indianapolis sippi tareal too for a 600,000 orage facility in Indianapolis sippi tareal too for a 600,000 orage facility in Indianapolis sippi tareal too for a 600,000 orage facility in Indianapolis sippi tareal too for a 600,000 orage facility in Indianapolis sippi tareal too for a 600,000 orage facility in Indianapolis sippi tareal too for a 600,000 orage facility in Indianapolis sippi tareal too facility in Indianapolis sippi tareal tarea | 8/13/24 13:59 8/13/24 14:31 0:31 0:5 0.5 0.5 sign tractations of a 600,000 orage facility in indianapolis sign tractations of a 600,000 orage facility in indianapolis sign tractations of a 600,000 orage facility in indianapolis sign tractations of a 600,000 orage facility in indianapolis sign tractations of a 600,000 orage facility in indianapolis sign tractations of a 600,000 orage facility in indianapolis sign tractations of a 600,000 orage facility in indianapolis sign tractations of a 600,000 orage facility in indianapolis sign tractations or a facility in indianapolis sign tractation or a facility in indianapolis sign tractation or a facility in indianapolis sign tractation or a facility in indianapolis in indiana or a facility in indianapolis indiana or a facility |

| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:03 | 8/13/24 14:31 | 0:28 | | 0.5 | 0.5 | 0.5 |
|------------------|--|---------------|---------------|---------------|-----|-----|-----|-----|
| | Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures | 8/13/24 14:59 | 8/13/24 15:26 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | IDEM Update | 8/13/24 15:54 | 8/13/24 16:28 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:32 | 8/13/24 16:57 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:53 | 8/14/24 8:25 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:25 | 8/14/24 9:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:28 | 8/14/24 10:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | Challenges In The Field | 8/14/24 10:06 | 8/14/24 10:58 | 0:51 | 1.0 | | 1.0 | 1.0 |
| | Ethics in Engineering | 8/14/24 13:22 | 8/14/24 14:30 | 1:08 | | 1.0 | 1.0 | 1.0 |
| | Indiana Law and Statutes | 8/14/24 15:20 | 8/14/24 16:22 | 1:02 | | 1.0 | 1.0 | 1.0 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:30 | 8/14/24 16:58 | 0:27 | 0.5 | | 0.5 | 0.5 |
| Wilson, Erin | | | | | | | | |
| | Credits Requested: Waster | vater | Total C | redits Earned | 2.5 | 0.0 | 2.5 | 2.5 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:28 | 8/13/24 11:42 | 1:13 | 1.0 | | 1.0 | 1.0 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:25 | 8/14/24 10:00 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Challenges In The Field | 8/14/24 10:06 | 8/14/24 10:58 | 0:52 | 1.0 | | 1.0 | 1.0 |
| Winenger, Justin | Credits Requested: | | Total C | redits Earned | 3.5 | 3.0 | 6.0 | 6.0 |
| | Conversion of an underutilized combined sewer to a storm sewer | 8/13/24 10:42 | 8/13/24 11:10 | 0:27 | 0.5 | 0.5 | 0.5 | 0.5 |
| | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana | 8/13/24 11:10 | 8/13/24 11:49 | 0:39 | 0.5 | | 0.5 | 0.5 |

| Wirth, Matt | | | | | | | | |
|--------------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 14:59 | 8/13/24 15:28 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:23 | 8/13/24 13:55 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Critical Maintenance Techniques Your Plant may be over looking | 8/13/24 10:30 | 8/13/24 11:42 | 1:11 | 1.0 | | 1.0 | 1.0 |
| | Credits Requested: | | Total C | redits Earned | 1.5 | 0.5 | 2.0 | 2.0 |
| WIREBAUGH, DARRELL | | | | | . – | | | |
| | A Gen Z Perspective on the Wastewater Industry | 8/14/24 15:19 | 8/14/24 15:55 | 0:35 | | 0.5 | 0.5 | 0.5 |
| | Indiana Law and Statutes | 8/14/24 15:16 | 8/14/24 15:18 | 0:02 | | 0.0 | 0.0 | 0.0 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:00 | 8/14/24 14:30 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:33 | 8/14/24 14:00 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:28 | 8/14/24 11:05 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:02 | 8/14/24 10:35 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:31 | 8/14/24 9:00 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:32 | 8/13/24 16:57 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens: Conquering Startup Challenges during a WWTP Upgrade | 8/13/24 14:55 | 8/13/24 15:28 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | 8/13/24 13:56 | 8/13/24 14:31 | 0:34 | | 0.5 | 0.5 | 0.5 |
| | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks | 8/13/24 13:28 | 8/13/24 13:54 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | | | | | | | | |

| | Credits Requested: | | Total C | Credits Earned | 0.0 | 1.0 | 1.0 | 1.0 |
|--------------------------|---|---------------|---------------|----------------|-----|-----|-----|-----|
| | Ethics in Engineering | 8/14/24 13:10 | 8/14/24 14:30 | 1:20 | | 1.0 | 1.0 | 1.0 |
| Wiseley, Jackson Wiseley | Credits Requested: | | Total C | redits Earned | 6.5 | 0.5 | 7.0 | 7.0 |
| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:33 | 8/13/24 11:42 | 1:08 | 1.0 | | 1.0 | 1.0 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:25 | 8/13/24 13:55 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Regional Stormwater Detention Basins – Treating urban runoff outside your project | 8/13/24 14:03 | 8/13/24 14:31 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures | 8/13/24 14:54 | 8/13/24 15:26 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits | 8/13/24 15:57 | 8/13/24 16:55 | 0:57 | 1.0 | | 1.0 | 1.0 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:34 | 8/14/24 10:00 | 0:25 | 0.5 | | 0.5 | 0.5 |
| | Challenges In The Field | 8/14/24 10:02 | 8/14/24 10:58 | 0:55 | 1.0 | | 1.0 | 1.0 |
| | 50 Years Later and SND Still Works | 8/14/24 13:33 | 8/14/24 14:02 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | IU Permits and Applying the Combined Wastestream Formula | 8/14/24 14:04 | 8/14/24 14:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Basics of pH | 8/15/24 9:44 | 8/15/24 10:15 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | It's Raining N! The Future of Total Nitrogen Limits | 8/15/24 11:26 | 8/15/24 11:56 | 0:30 | 0.5 | | 0.5 | 0.5 |
| Withers, Amanda | | | | | | | | |
| | Credits Requested: PDHs | | Total C | redits Earned | 2.0 | 3.5 | 5.5 | 5.5 |
| | IDEM Update | 8/13/24 16:00 | 8/13/24 16:28 | 0:28 | | 0.5 | 0.5 | 0.5 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 8:16 | 8/14/24 8:25 | 0:08 | 0.0 | | 0.0 | 0.0 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:31 | 8/14/24 10:00 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Water and Wastewater Workforce Development – Is your community ready for the challenge? | 8/14/24 13:26 | 8/14/24 14:30 | 1:04 | | 1.0 | 1.0 | 1.0 |

| | Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility | 8/15/24 8:05 | 8/15/24 8:30 | 0:25 | | 0.5 | 0.5 | 0.5 |
|---------------|---|---------------|--|---------------|-----|-----|-----|-----|
| | Back to Basics: Review of UV Disinfection | 8/15/24 8:28 | 8/15/24 9:07 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Primary Clarifier Sludge and Scum | 8/15/24 9:13 | 8/15/24 9:40 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | City of Kalamazoo's Holistic Approach to Selecting New Process Technologies | 8/15/24 9:44 | 8/15/24 10:50 | 1:06 | | 1.0 | 1.0 | 1.0 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:57 | 8/15/24 11:25 | 0:27 | | 0.5 | 0.5 | 0.5 |
| | Grit Happens - Sustainable Solutions for Grit Management At WWTPs | 8/15/24 11:21 | 8/15/24 11:55 | 0:34 | 0.5 | | 0.5 | 0.5 |
| Wolff, Tina | Credits Requested: | | 228 8/15/24 9:07 0:38 0.5 0.5 0.5 133 8/15/24 9:40 0:26 0.5 0.5 0.5 244 8/15/24 10:50 1:06 1.0 1.0 1.0 1.57 8/15/24 11:25 0:27 0.5 0.5 221 8/15/24 11:55 0:34 0.5 0.5 0.5 221 8/15/24 11:55 0:34 0.5 0.5 0.5 232 8/13/24 16:28 0:26 0.5 0.5 0.5 232 8/13/24 16:58 0:25 0.5 0.5 0.5 233 8/14/24 8:26 0:28 0.5 0.5 0.5 244 8/14/24 9:00 0:33 0.5 0.5 0.5 255 Total Credits Earned 5.0 1.0 6.0 6.0 260 8/14/24 9:00 1:00 1.0 1.0 1.0 1.0 | 3.0 | | | | |
| | Total Nitrogen Treatment – What is Required vs. What is Realistic | 8/13/24 15:00 | | | | 1.3 | | |
| | IDEM Update | 8/13/24 16:02 | 8/13/24 16:28 | 0:26 | | 0.5 | 0.5 | 0.5 |
| | The Need to Understand and Manage Water Availability within Basins in Indiana | 8/13/24 16:32 | 8/13/24 16:58 | 0:25 | | 0.5 | 0.5 | 0.5 |
| | Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:58 | 8/14/24 8:26 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:27 | 8/14/24 9:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Unveiling the Power of Regionalization: A Strategic Approach for Success | 8/14/24 10:34 | 8/14/24 11:04 | 0:30 | | 0.5 | 0.5 | 0.5 |
| Wood, Anthony | Credits Requested: Wastey | vater | Total C | redits Earned | 5.0 | 1.0 | 6.0 | 6.0 |
| | Mastering the Art of Master Planning | 8/14/24 8:00 | | | | | | |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:33 | 8/14/24 11:05 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | 50 Years Later and SND Still Works | 8/14/24 13:31 | 8/14/24 14:02 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | | |

| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:03 | 8/14/24 14:35 | 0:32 | 0.5 | | 0.5 | 0.5 |
|---------------------|---|--|--|------------------------------|-------------------|-----|--------------------------|-------------------|
| | IU Permits and Applying the Combined Wastestream Formula | 8/14/24 14:08 | 8/14/24 14:35 | 0:26 | 0.5 | | 0.5 | 0.5 |
| | Adaptive mixing and process optimization with energy savings | 8/14/24 15:23 | 8/14/24 15:50 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Tips for Labs that you may not know | 8/15/24 8:02 | 8/15/24 8:30 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | IWEA WASTEWATER LABORATORY ANALYST CERTIFICATION | 8/15/24 8:32 | 8/15/24 9:01 | 0:29 | | 0.5 | 0.5 | 0.5 |
| | Basics of pH | 8/15/24 9:46 | 8/15/24 10:15 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | A case for better lab results | 8/15/24 10:17 | 8/15/24 10:47 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:54 | 8/15/24 11:25 | 0:30 | | 0.5 | 0.5 | 0.5 |
| Wright, Christopher | Credits Requested: Wastev | vater | Total C | redits Earned | 9.0 | 0.5 | 9.5 | 9.5 |
| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:29 | 8/13/24 11:42 | 1:12 | 1.0 | | 1.0 | 1.0 |
| | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities | 8/13/24 13:15 | 8/13/24 14:00 | 0:44 | 0.5 | | 0.5 | 0.5 |
| | Optimizing Final Clarifiers – From Concept to Demonstrated Performance | 8/13/24 14:01 | 8/13/24 14:32 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | | | | | | | | |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:48 | 8/13/24 15:25 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | • | 8/13/24 14:48 8/13/24 15:50 | 8/13/24 15:25 8/13/24 16:28 | 0:37 | 0.5 | 0.5 | | 0.5 |
| | Inflow and Infiltration | | | | 0.5 | 0.5 | 0.5 | |
| | Inflow and Infiltration IDEM Update | 8/13/24 15:50 | 8/13/24 16:28 | 0:38 | | 0.5 | 0.5 | 0.5 |
| | Inflow and Infiltration IDEM Update Challenges In The Field | 8/13/24 15:50 8/14/24 10:00 | 8/13/24 16:28 8/14/24 10:58 | 0:38 0:57 | 1.0 | 0.5 | 0.5 0.5 1.0 | 0.5 1.0 |
| | Inflow and Infiltration IDEM Update Challenges In The Field 21ST Century FOG Management IU Permits and Applying the Combined Wastestream | 8/13/24 15:50 8/14/24 10:00 8/14/24 13:16 | 8/13/24 16:28 8/14/24 10:58 8/14/24 14:00 | 0:38 0:57 0:44 | 1.0 | 0.5 | 0.5 0.5 1.0 0.5 | 0.5 1.0 0.5 |
| | Inflow and Infiltration IDEM Update Challenges In The Field 21ST Century FOG Management IU Permits and Applying the Combined Wastestream Formula Enforcement Response Plan, Violations, and Significant Non- | 8/13/24 15:50 8/14/24 10:00 8/14/24 13:16 8/14/24 14:05 | 8/13/24 16:28 8/14/24 10:58 8/14/24 14:00 8/14/24 14:35 | 0:38 0:57 0:44 0:29 | 1.0 0.5 0.5 | 0.5 | 0.5 0.5 1.0 0.5 | 0.5 1.0 0.5 |

| | Basics of pH | 8/15/24 9:43 | 8/15/24 10:15 | 0:32 | 0.5 | | 0.5 | 0.5 |
|-------------|---|---------------|---------------|---------------|-----|-----|-----|-----|
| | A case for better lab results | 8/15/24 10:17 | 8/15/24 10:47 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories | 8/15/24 10:57 | 8/15/24 11:55 | 0:57 | 1.0 | | 1.0 | 1.0 |
| ary, Robert | Credits Requested: | | Total C | redits Earned | 0.0 | 0.5 | 0.5 | 0.5 |
| | Electrical Safety for Wastewater Operators and Maintenance Personnel | 8/15/24 7:59 | 8/15/24 8:30 | 0:31 | | 0.5 | 0.5 | 0.5 |
| k, Nick | | | | | 5.0 | 0.0 | F 0 | F 0 |
| | Credits Requested: | | Total C | redits Earned | 5.0 | 0.0 | 5.0 | 5.0 |
| | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer | 8/14/24 7:54 | 8/14/24 8:25 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Hydraulic Modeling - What is it good for? | 8/14/24 8:27 | 8/14/24 9:00 | 0:33 | 0.5 | | 0.5 | 0.5 |
| | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections | 8/14/24 9:31 | 8/14/24 10:00 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | North Interceptor Sewer - Danville, IN | 8/14/24 10:04 | 8/14/24 10:35 | 0:30 | 0.5 | | 0.5 | 0.5 |
| | Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer | 8/14/24 10:26 | 8/14/24 11:05 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Foster Park Relief Sewer – Indian Village CSO 005 Connection | 8/14/24 13:25 | 8/14/24 14:00 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana | 8/14/24 14:03 | 8/14/24 14:30 | 0:27 | 0.5 | | 0.5 | 0.5 |
| | Lafayette Prairie Oaks Pipeline Rehab | 8/14/24 15:17 | 8/14/24 15:55 | 0:38 | 0.5 | | 0.5 | 0.5 |
| | Use of Pipe Storage System for Sustainable CSO Reduction | 8/14/24 15:50 | 8/14/24 16:26 | 0:35 | 0.5 | | 0.5 | 0.5 |
| | Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket | 8/14/24 16:27 | 8/14/24 16:55 | 0:27 | 0.5 | | 0.5 | 0.5 |
| ck, Ryan | Credits Requested: | | Total C | redits Earned | 1.0 | 0.0 | 1.0 | 1.0 |
| | Biosolids: Fail to Plan; Plan to | 8/13/24 10:31 | 8/13/24 11:42 | 1:10 | 1.0 | | 1.0 | 1.0 |

| o, Kate | Credits Requested: PDHs | | Total C | redits Earned | 6.5 | 5.0 | 10.5 | 10.5 |
|---------|--|---------------|---------------|---------------|-----|-----|------|------|
| | Welcome & Keynote Address | 8/13/24 7:48 | 8/13/24 9:00 | 1:11 | | 1.0 | 1.0 | 1.0 |
| | Workforce Development Roundtable | 8/13/24 9:10 | 8/13/24 10:16 | 1:06 | | 1.0 | 1.0 | 1.0 |
| | Biosolids: Fail to Plan; Plan to Fail | 8/13/24 10:28 | 8/13/24 11:42 | 1:13 | 1.0 | | 1.0 | 1.0 |
| | PFAS Regulations Impact on the Future of Land Application | 8/13/24 13:27 | 8/13/24 13:57 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis | 8/13/24 13:58 | 8/13/24 14:31 | 0:33 | | 0.5 | 0.5 | 0.5 |
| | Benefits of Partnering to Reduce Inflow and Infiltration | 8/13/24 14:56 | 8/13/24 15:25 | 0:28 | 0.5 | | 0.5 | 0.5 |
| | The Danish story of using low- hanging-fruit to reduce energy, carbon, and resourcesgy and carbon | 8/13/24 15:52 | 8/13/24 16:56 | 1:03 | 1.0 | 1.0 | 1.0 | 1.0 |
| | Energy Efficient Retrofits of Oxidation ditches | 8/14/24 7:57 | 8/14/24 8:26 | 0:29 | 0.5 | | 0.5 | 0.5 |
| | Benefits of Big Bubble Mixing | 8/14/24 8:27 | 8/14/24 9:00 | 0:32 | 0.5 | | 0.5 | 0.5 |
| | WWTP Non-Potable Water Systems – The Neglected Plant Process | 8/14/24 9:28 | 8/14/24 10:00 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Using your data and SCADA for maintenance and savings | 8/14/24 10:04 | 8/14/24 11:01 | 0:56 | | 1.0 | 1.0 | 1.0 |
| | 50 Years Later and SND Still Works | 8/14/24 13:24 | 8/14/24 14:02 | 0:37 | 0.5 | | 0.5 | 0.5 |
| | Requirements vs. Reality - Design Capacity Compared to Real World Observations | 8/14/24 14:04 | 8/14/24 14:35 | 0:31 | 0.5 | | 0.5 | 0.5 |
| | Sustained 60 MGD? Sure, why not! | 8/15/24 10:13 | 8/15/24 10:47 | 0:34 | 0.5 | | 0.5 | 0.5 |
| | Contrasting Design Considerations: Municipal Vs Industrial WWTPs | 8/15/24 10:54 | 8/15/24 11:25 | 0:31 | | 0.5 | 0.5 | 0.5 |
| | It's Raining N! The Future of Total Nitrogen Limits | 8/15/24 11:27 | 8/15/24 11:56 | 0:29 | 0.5 | | 0.5 | 0.5 |