



|                              |   |               |                             |            |            |             |             |
|------------------------------|---|---------------|-----------------------------|------------|------------|-------------|-------------|
|                              | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> | <b>2.0</b> | <b>2.0</b> | <b>4.0</b>  | <b>4.0</b>  |
|                              | 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         |
|                              | 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         |
|                              | 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         |
|                              | 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         |
|                              | Out In The Field Not In A Book  | 8/14/24 8:00  | 8/14/24 8:56                | 0:55       | 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         |
|                              | Lafayette Prairie Oaks Pipeline Rehab   | 8/14/24 15:17 | 8/14/24 15:55               | 0:38       | 0.5        |             | 0.5         |
| <b>Adams, Odise</b>          | <b>Credits Requested: PDHs</b>  |               | <b>Total Credits Earned</b> | <b>1.5</b> | <b>4.0</b> | <b>5.5</b>  | <b>5.5</b>  |
|                              | Workforce Development Roundtable  | 8/13/24 9:10  | 8/13/24 10:05               | 0:54       |            | 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         |
|                              | Benefits of Partnering to Reduce Inflow and Infiltration  | 8/13/24 14:48 | 8/13/24 15:25               | 0:37       | 0.5        |             | 0.5         |
|                              | IDEM Update   | 8/13/24 15:58 | 8/13/24 16:25               | 0:27       |            | 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         |
|                              | Ethics in Engineering   | 8/14/24 13:32 | 8/14/24 14:30               | 0:58       |            | 1.0         | 1.0         |
|                              | Indiana Law and Statutes  | 8/14/24 15:25 | 8/14/24 16:21               | 0:55       |            | 1.0         | 1.0         |
|                              | Leading Change  | 8/14/24 16:31 | 8/14/24 16:58               | 0:27       |            | 0.5         | 0.5         |
| <b>ADU SARKODIE, KWABENA</b> | <b>Credits Requested: Wastewater</b>  |               | <b>Total Credits Earned</b> | <b>8.5</b> | <b>3.5</b> | <b>12.0</b> | <b>12.0</b> |

|   |                           |               |      |                             |            |            |            |            |
|---|---------------------------|---------------|------|-----------------------------|------------|------------|------------|------------|
| Critical Maintenance Techniques<br>Your Plant may be over looking   | 8/13/24 10:16             | 8/13/24 11:40 | 1:24 | 1.0                         | 1.0        | 1.0        |            |            |
| Peracetic Acid for Wastewater<br>Disinfection & The Benefits to<br>Large and Small Utilities                    | 8/13/24 13:15             | 8/13/24 13:54 | 0:39 | 0.5                         | 0.5        | 0.5        |            |            |
| Optimizing Final Clarifiers –<br>From Concept to Demonstrated<br>Performance                                    | 8/13/24 14:00             | 8/13/24 14:25 | 0:25 | 0.5                         | 0.5        | 0.5        |            |            |
| Benefits of Partnering to Reduce<br>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)<br>Testing Requirements for<br>NPDES Permits                                      | 8/13/24 15:53             | 8/13/24 16:55 | 1:01 | 1.0                         | 1.0        | 1.0        |            |            |
| Energy Efficient Retrofits of<br>Oxidation ditches  | 8/14/24 8:00              | 8/14/24 8:25  | 0:24 | 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<br>Systems – The Neglected Plant<br>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<br>maintenance and savings  | 8/14/24 10:03             | 8/14/24 10:58 | 0:54 | 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        |            |            |
| Indiana Law and Statutes  | 8/14/24 15:21             | 8/14/24 16:21 | 1:00 | 1.0                         | 1.0        | 1.0        |            |            |
| Enhancing the absorption<br>capacity of GAC to remove PFAS<br>from water  | 8/14/24 16:25             | 8/14/24 16:55 | 0:30 | 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        |            |            |
| Informed Decision-Making for<br>Electrical and Controls Systems   | 8/15/24 8:36              | 8/15/24 9:37  | 1:01 | 1.0                         | 1.0        | 1.0        |            |            |
| Keeping Your Clarifiers Happy:<br>Solutions for Variable Flow<br>Challenges                                     | 8/15/24 9:38              | 8/15/24 10:15 | 0:36 | 0.5                         | 0.5        | 0.5        |            |            |
| Sustained 60 MGD? Sure, why<br>not!   | 8/15/24 10:12             | 8/15/24 10:45 | 0:32 | 0.5                         | 0.5        | 0.5        |            |            |
| Contrasting Design<br>Considerations: Municipal Vs<br>Industrial WWTPs  | 8/15/24 10:54             | 8/15/24 11:25 | 0:30 | 0.5                         | 0.5        | 0.5        |            |            |
| UPDATED - Emergency<br>Replacement of a Blower During<br>a Planning Project at the<br>Wyoming Clean Water Plant | 8/15/24 11:20             | 8/15/24 11:57 | 0:36 | 0.5                         | 0.5        | 0.5        |            |            |
| <b>Agoro, Olalekan</b>  | <b>Credits Requested:</b> |               |      | <b>Total Credits Earned</b> | <b>0.5</b> | <b>2.0</b> | <b>2.5</b> | <b>2.5</b> |

|                       |   |               |               |      |                             |             |            |             |             |
|-----------------------|---|---------------|---------------|------|-----------------------------|-------------|------------|-------------|-------------|
|                       | 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         |             |
| <b>Akers, Kenneth</b> |   |               |               |      |                             |             |            |             |             |
|                       | <b>Credits Requested:</b> Wastewater  |               |               |      | <b>Total Credits Earned</b> | <b>11.5</b> | <b>1.5</b> | <b>13.0</b> | <b>13.0</b> |
|                       | 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        |            |
|  | 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        |            |
|  | <b>Akles, Tony</b>   | <b>Credits Requested:</b> |               |      | <b>Total Credits Earned</b> | <b>0.5</b> | <b>3.5</b> | <b>4.0</b> |
|  | 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        |
| <b>Alberson, Branden</b> | <b>Credits Requested: Wastewater</b>  |               |               | <b>Total Credits Earned</b> | <b>5.0</b> | <b>1.5</b> | <b>6.5</b> | <b>6.5</b> |
|                          | 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        |
| <b>Albin, Steven</b>     | <b>Credits Requested: Wastewater</b>  |               |               | <b>Total Credits Earned</b> | <b>6.0</b> | <b>1.5</b> | <b>7.5</b> | <b>7.5</b> |

|                          |   |               |               |                             |            |            |             |
|--------------------------|---|---------------|---------------|-----------------------------|------------|------------|-------------|
|                          | Critical Maintenance Techniques<br>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<br>Disinfection & The Benefits to<br>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 –<br>From Concept to Demonstrated<br>Performance  | 8/13/24 14:00 | 8/13/24 14:25 | 0:25                        | 0.5        | 0.5        | 0.5         |
|                          | Whole Effluent Toxicity (WET)<br>Testing Requirements for<br>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<br>Systems – The Neglected Plant<br>Process  | 8/14/24 9:25  | 8/14/24 10:00 | 0:35                        | 0.5        | 0.5        | 0.5         |
|                          | North Interceptor Sewer -<br>Danville, IN   | 8/14/24 10:04 | 8/14/24 10:35 | 0:30                        | 0.5        | 0.5        | 0.5         |
|                          | Howard Roosa Sewer – The<br>Final Outcome of this Non-<br>Traditional, Flexible Approach to<br>Salvaging an Almost 100-Year-<br>Old Sewer | 8/14/24 10:33 | 8/14/24 11:05 | 0:31                        | 0.5        | 0.5        | 0.5         |
|                          | Wastewater Challenge<br>Demonstration   | 8/14/24 16:29 | 8/14/24 16:55 | 0:25                        | 0.5        | 0.5        | 0.5         |
|                          | Electrical Safety for Wastewater<br>Operators and Maintenance<br>Personnel  | 8/15/24 7:56  | 8/15/24 8:30  | 0:34                        | 0.5        | 0.5        | 0.5         |
|                          | Emergency Preparedness and<br>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<br>not!   | 8/15/24 10:16 | 8/15/24 10:45 | 0:28                        | 0.5        | 0.5        | 0.5         |
| <b>Alexander, Andrea</b> | <b>Credits Requested:</b> Wastewater  |               |               | <b>Total Credits Earned</b> | <b>8.5</b> | <b>4.0</b> | <b>12.5</b> |
|                          | 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<br>and Strategies: The Indiana<br>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<br>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 |
| 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 |
| 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 |
| 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        |
| <b>Allred, Justin</b> | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> | <b>3.0</b> | <b>0.0</b> | <b>3.0</b> | <b>3.0</b> |
|                       | 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        |
| <b>Almeter, Clara</b> | <b>Credits Requested: PDHs</b>  |               | <b>Total Credits Earned</b> | <b>0.5</b> | <b>3.5</b> | <b>4.0</b> | <b>4.0</b> |
|                       | 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 10:41 | 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        |

|                        |   |               |               |                             |            |            |            |
|------------------------|---|---------------|---------------|-----------------------------|------------|------------|------------|
|                        | 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        |
| <b>ALSTON, TIM</b>     | <b>Credits Requested: Wastewater</b>  |               |               |                             |            |            |            |
|                        |   |               |               | <b>Total Credits Earned</b> | <b>5.0</b> | <b>3.5</b> | <b>8.5</b> |
|                        | 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        |
| <b>Anderson, Jabez</b> | <b>Credits Requested: PDHs</b>  |               |               |                             |            |            |            |
|                        |   |               |               | <b>Total Credits Earned</b> | <b>3.0</b> | <b>2.0</b> | <b>5.0</b> |

|                       |   |                             |               |      |            |            |            |            |
|-----------------------|---|-----------------------------|---------------|------|------------|------------|------------|------------|
|                       | Adapt and Overcome:<br>Challenges of Rehabilitating a<br>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<br>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<br>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 10:04               | 8/14/24 10:55 | 0:50 | 1.0        | 1.0        | 1.0        |            |
|                       | Ethics in Engineering   | 8/14/24 13:18               | 8/14/24 14:30 | 1:12 |            | 1.0        | 1.0        |            |
|                       | Indiana Law and Statutes  | 8/14/24 15:17               | 8/14/24 16:21 | 1:03 |            | 1.0        | 1.0        |            |
|                       | Enhancing the absorption<br>capacity of GAC to remove PFAS<br>from water  | 8/14/24 16:30               | 8/14/24 16:56 | 0:25 | 0.5        | 0.5        | 0.5        |            |
| <b>Anderson, John</b> |   |                             |               |      |            |            |            |            |
|                       | <b>Credits Requested:</b> PDHs  | <b>Total Credits Earned</b> |               |      | <b>4.0</b> | <b>5.0</b> | <b>9.0</b> | <b>9.0</b> |
|                       | Workforce Development<br>Roundtable   | 8/13/24 9:10                | 8/13/24 10:03 | 0:53 |            | 1.0        | 1.0        | 1.0        |
|                       | Conversion of an underutilized<br>combined sewer to a storm<br>sewer  | 8/13/24 10:31               | 8/13/24 11:10 | 0:38 | 0.5        |            | 0.5        | 0.5        |
|                       | In Case of Emergency: Keeping<br>Stormwater and Traffic Flowing<br>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:<br>Case Study of Broad Ripple<br>Avenue in Indianapolis                                  | 8/13/24 13:27               | 8/13/24 13:59 | 0:31 |            | 0.5        | 0.5        | 0.5        |
|                       | Regional Stormwater Detention<br>Basins – Treating urban runoff<br>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<br>Your Public Education, Outreach<br>and Participation Minimum<br>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<br>Manage Water Availability<br>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:<br>Challenges of Rehabilitating a<br>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<br>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 10:01 | 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        |
|                       | Indiana Law and Statutes  | 8/14/24 15:13 | 8/14/24 16:21               | 1:08 |            | 1.0        | 1.0        |
| <b>Anema, Noah</b>    |   |               |                             |      |            |            |            |
|                       | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> |      | <b>1.5</b> | <b>1.5</b> | <b>3.0</b> |
|                       | 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        |
|                       | 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        |
|                       | 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        |
|                       | 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        |
| <b>Arbuckle, John</b> |   |               |                             |      |            |            |            |
|                       | <b>Credits Requested: PDHs</b>  |               | <b>Total Credits Earned</b> |      | <b>4.5</b> | <b>4.0</b> | <b>8.5</b> |
|                       | Workforce Development Roundtable  | 8/13/24 9:10  | 8/13/24 10:03               | 0:53 |            | 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        |

|                      |   |               |               |      |            |            |            |
|----------------------|---|---------------|---------------|------|------------|------------|------------|
|                      | 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        |
| <b>Armcast, Mary</b> |   |               |               |      |            |            |            |
|                      | <b>Credits Requested:</b>   |               |               |      | <b>0.5</b> | <b>0.0</b> | <b>0.5</b> |
|                      | <b>Total Credits Earned</b>   |               |               |      |            |            | <b>0.5</b> |
|                      | Water Treatment Regulatory Terms & Definitions  | 8/14/24 9:24  | 8/14/24 9:58  | 0:34 | 0.5        | 0.5        | 0.5        |
| <b>Ashack, Len</b>   |   |               |               |      |            |            |            |
|                      | <b>Credits Requested: Wastewater</b>  |               |               |      | <b>5.5</b> | <b>0.5</b> | <b>6.0</b> |
|                      | <b>Total Credits Earned</b>   |               |               |      |            |            | <b>6.0</b> |
|                      | 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        | 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 10:02 | 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 10:26 | 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         |
|                        | 21ST Century FOG Management   | 8/14/24 13:54 | 8/14/24 13:58               | 0:03       | 0.0        | 0.0         | 0.0         |
|                        | 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         |
| <b>Ashack, Rebecca</b> | <b>Credits Requested: Drinking Water</b>  |               | <b>Total Credits Earned</b> | <b>2.5</b> | <b>2.5</b> | <b>5.0</b>  | <b>5.0</b>  |
|                        | 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 8:30  | 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         |
|                        | 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 10:27 | 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               | 1:05       |            | 1.0         | 1.0         |
|                        | A Gen Z Perspective on the Wastewater Industry  | 8/14/24 15:29 | 8/14/24 15:55               | 0:25       |            | 0.5         | 0.5         |
|                        | Leading Change  | 8/14/24 16:28 | 8/14/24 16:58               | 0:30       |            | 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         |
| <b>AWOSIKA, KOLA</b>   | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> | <b>6.0</b> | <b>8.0</b> | <b>14.0</b> | <b>14.0</b> |

|  |               |               |      |     |     |     |     |
|--|---------------|---------------|------|-----|-----|-----|-----|
| 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        |            |
| <b>Badawi, Ahmad</b>   |  |                             |               |      |            |            |            |            |
|                        | <b>Credits Requested:</b> PDHs   | <b>Total Credits Earned</b> |               |      | <b>1.5</b> | <b>1.5</b> | <b>3.0</b> | <b>3.0</b> |
|                        | 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        |            |
| <b>Baggett, Nathan</b> |  |                             |               |      |            |            |            |            |
|                        | <b>Credits Requested:</b> PDHs   | <b>Total Credits Earned</b> |               |      | <b>5.0</b> | <b>3.5</b> | <b>8.5</b> | <b>8.5</b> |
|                        | 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 Basins – Treating urban runoff outside your project                          | 8/13/24 14:04 | 8/13/24 14:32 | 0:27 |                             | 0.5        | 0.5        | 0.5        |
| Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures | 8/13/24 15:00 | 8/13/24 15:25 | 0:25 | 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        |
| 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 9:32  | 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 10:30 | 8/14/24 11:02 | 0:32 |                             | 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 14:02 | 8/14/24 14:30 | 0:28 | 0.5                         |            | 0.5        | 0.5        |
| A Gen Z Perspective on the Wastewater Industry   | 8/14/24 15:20 | 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 15:52 | 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 16:26 | 8/14/24 16:55 | 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        |
| <b>Bainter, Jessica</b>  |               |               |      |                             |            |            |            |
| <b>Credits Requested:</b>  |               |               |      | <b>Total Credits Earned</b> | <b>3.5</b> | <b>5.0</b> | <b>8.5</b> |
| 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 10:03 | 0:53 |                             | 1.0        | 1.0        | 1.0        |
| Biosolids: Fail to Plan; Plan to Fail  | 8/13/24 10:38 | 8/13/24 11:40 | 1:01 | 1.0                         |            | 1.0        | 1.0        |
| 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 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 9:28  | 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        |            |            |
|                           | Indiana Law and Statutes  | 8/14/24 15:17 | 8/14/24 16:21 | 1:04 |                             | 1.0        | 1.0        |            |            |
|                           | Wastewater Challenge Demonstration  | 8/14/24 16:28 | 8/14/24 16:55 | 0:26 |                             | 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        |            |            |
|                           | IWEA WASTEWATER LABORATORY ANALYST CERTIFICATION  | 8/15/24 8:33  | 8/15/24 9:00  | 0:27 |                             | 0.5        | 0.5        |            |            |
|                           | Flexing Your Procurement Muscle   | 8/15/24 9:08  | 8/15/24 9:37  | 0:28 | 0.5                         |            | 0.5        |            |            |
| <b>Baker, Sarah</b>       |   |               |               |      |                             |            |            |            |            |
|                           | <b>Credits Requested:</b>   |               |               |      | <b>Total Credits Earned</b> | <b>1.5</b> | <b>1.0</b> | <b>2.5</b> | <b>2.5</b> |
|                           | 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        |            |
| <b>Ballard, Nathaniel</b> |   |               |               |      |                             |            |            |            |            |
|                           | <b>Credits Requested:</b>   |               |               |      | <b>Total Credits Earned</b> | <b>0.0</b> | <b>1.0</b> | <b>1.0</b> | <b>1.0</b> |
|                           | 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        |            |
| <b>Ballinger, Justin</b>  |   |               |               |      |                             |            |            |            |            |
|                           | <b>Credits Requested:</b>   |               |               |      | <b>Total Credits Earned</b> | <b>0.5</b> | <b>0.0</b> | <b>0.5</b> | <b>0.5</b> |
|                           | 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        |            |
| <b>Barlow, John</b>       |   |               |               |      |                             |            |            |            |            |
|                           | <b>Credits Requested:</b> Wastewater  |               |               |      | <b>Total Credits Earned</b> | <b>4.0</b> | <b>1.0</b> | <b>5.0</b> | <b>5.0</b> |
|                           | 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        |            |            |
|                          | 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        |            |            |
| <b>Barrett, Dann</b>     | <b>Credits Requested:</b>  |               |               | <b>Total Credits Earned</b> |     | <b>1.0</b> | <b>2.0</b> | <b>3.0</b> | <b>3.0</b> |
|                          | 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        |            |
| <b>Basting, Jennifer</b> | <b>Credits Requested:</b>  |               |               | <b>Total Credits Earned</b> |     | <b>0.5</b> | <b>0.0</b> | <b>0.5</b> | <b>0.5</b> |
|                          | 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        |            |
| <b>Beard, Michael</b>    | <b>Credits Requested: Wastewater</b>   |               |               | <b>Total Credits Earned</b> |     | <b>4.5</b> | <b>0.0</b> | <b>4.5</b> | <b>4.5</b> |
|                          | 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        |
| <b>Beaver, Adam</b> |   |               |               |      |            |            |            |
|                     | <b>Credits Requested:</b>   |               |               |      | <b>4.5</b> | <b>0.5</b> | <b>5.0</b> |
|                     | <b>Total Credits Earned</b>   |               |               |      |            |            | <b>5.0</b> |
|                     | 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        |
|                     | 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        |
| <b>Beebe, Jacob</b> |   |               |               |      |            |            |            |
|                     | <b>Credits Requested:</b>   |               |               |      | <b>1.5</b> | <b>0.0</b> | <b>1.5</b> |
|                     | <b>Total Credits Earned</b>   |               |               |      |            |            | <b>1.5</b> |
|                     | Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer  | 8/14/24 7:55  | 8/14/24 8:21  | 0:25 | 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        |

|                          |  |               |                             |      |            |            |             |             |
|--------------------------|--|---------------|-----------------------------|------|------------|------------|-------------|-------------|
|                          | Lafayette Prairie Oaks Pipeline Rehab  | 8/14/24 15:14 | 8/14/24 15:55               | 0:41 | 0.5        | 0.5        | 0.5         |             |
| <b>Beeching, Spencer</b> | <b>Credits Requested:</b> PDHs   |               | <b>Total Credits Earned</b> |      | <b>1.5</b> | <b>0.0</b> | <b>1.5</b>  | <b>1.5</b>  |
|                          | 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         |             |
| <b>Beeler, Brian</b>     | <b>Credits Requested:</b>  |               | <b>Total Credits Earned</b> |      | <b>1.0</b> | <b>0.0</b> | <b>1.0</b>  | <b>1.0</b>  |
|                          | Fail   | 8/13/24 10:32 | 8/13/24 11:40               | 1:07 | 1.0        | 1.0        | 1.0         |             |
| <b>Behrens, Claus</b>    | <b>Credits Requested:</b>  |               | <b>Total Credits Earned</b> |      | <b>1.0</b> | <b>0.5</b> | <b>1.5</b>  | <b>1.5</b>  |
|                          | 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         |             |
| <b>Beisiegel, Jamin</b>  | <b>Credits Requested:</b> Drinking Water, Wastewater   |               | <b>Total Credits Earned</b> |      | <b>9.0</b> | <b>2.0</b> | <b>11.0</b> | <b>11.0</b> |
|                          | 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 Industrial WWTPs                               | 8/15/24 10:53 | 8/15/24 11:25 | 0:31 |                             | 0.5        | 0.5        |
| <b>BENN, BRYAN</b>      |  |               |               |      |                             |            |            |
|                         | <b>Credits Requested:</b>  |               |               |      | <b>Total Credits Earned</b> | <b>0.0</b> | <b>0.0</b> |
|                         |  |               |               |      |                             | <b>0.0</b> | <b>0.0</b> |
|                         | 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        |
| <b>Berg, Nathaniel</b>  |  |               |               |      |                             |            |            |
|                         | <b>Credits Requested:</b>  |               |               |      | <b>Total Credits Earned</b> | <b>1.0</b> | <b>0.0</b> |
|                         |  |               |               |      |                             | <b>1.0</b> | <b>1.0</b> |
|                         | Enforcement Response Plan, Violations, and Significant Non-Compliance                          | 8/14/24 15:13 | 8/14/24 16:13 | 0:59 | 1.0                         | 1.0        | 1.0        |
| <b>Bertram, Tim</b>     |  |               |               |      |                             |            |            |
|                         | <b>Credits Requested:</b>  |               |               |      | <b>Total Credits Earned</b> | <b>0.0</b> | <b>1.0</b> |
|                         |  |               |               |      |                             | <b>1.0</b> | <b>1.0</b> |
|                         | Welcome & Keynote Address  | 8/13/24 8:08  | 8/13/24 9:00  | 0:51 |                             | 1.0        | 1.0        |
| <b>Bidlack, Angelyn</b> |  |               |               |      |                             |            |            |
|                         | <b>Credits Requested:</b> PDHs   |               |               |      | <b>Total Credits Earned</b> | <b>2.0</b> | <b>0.0</b> |
|                         |  |               |               |      |                             | <b>2.0</b> | <b>2.0</b> |
|                         | 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 | 0:26 | 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        |             |             |
|                      | 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        |             |             |
| <b>Bigelow, Todd</b> |  |               |               |      |                             |            |            |             |             |
|                      | <b>Credits Requested:</b> Wastewater   |               |               |      | <b>Total Credits Earned</b> | <b>7.0</b> | <b>1.5</b> | <b>8.5</b>  | <b>8.5</b>  |
|                      | 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         |             |
| <b>Bishir, Jerry</b> |  |               |               |      |                             |            |            |             |             |
|                      | <b>Credits Requested:</b> Wastewater   |               |               |      | <b>Total Credits Earned</b> | <b>9.5</b> | <b>4.5</b> | <b>14.0</b> | <b>14.0</b> |
|                      | 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         |             |

|  |               |               |      |     |     |     |
|--|---------------|---------------|------|-----|-----|-----|
| 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 |



|                        |  |                             |               |      |            |            |            |            |
|------------------------|--|-----------------------------|---------------|------|------------|------------|------------|------------|
|                        | 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        |            |
| <b>Bland, Brian</b>    | <b>Credits Requested:</b>  | <b>Total Credits Earned</b> |               |      | <b>1.5</b> | <b>2.0</b> | <b>3.5</b> | <b>3.5</b> |
|                        | 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        |            |
|                        | 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        |            |
| <b>Blomquist, Bill</b> | <b>Credits Requested:</b>  | <b>Total Credits Earned</b> |               |      | <b>0.5</b> | <b>0.0</b> | <b>0.0</b> | <b>0.0</b> |
|                        | 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        |            |
| <b>Boetcker, Bill</b>  | <b>Credits Requested:</b>  | <b>Total Credits Earned</b> |               |      | <b>1.0</b> | <b>0.5</b> | <b>1.5</b> | <b>1.5</b> |
|                        | 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        |            |
| <b>Boice, Audrey</b>   | <b>Credits Requested:</b>  | <b>Total Credits Earned</b> |               |      | <b>6.5</b> | <b>1.0</b> | <b>7.5</b> | <b>7.5</b> |
|                        | 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         |             |
|                                | 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         |             |
|                                | It's Raining N! The Future of Total Nitrogen Limits   | 8/15/24 11:20 | 8/15/24 11:55               | 0:34 | 0.5        | 0.5        | 0.5         |             |
| <b>Bollman, Patrick</b>        | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> |      | <b>0.0</b> | <b>0.0</b> | <b>0.0</b>  | <b>0.0</b>  |
| <b>Bone, Jonathan</b>          | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> |      | <b>1.5</b> | <b>0.0</b> | <b>1.5</b>  | <b>1.5</b>  |
|                                | 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         |             |
| <b>Bontrager-Singer, Jamey</b> | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> |      | <b>3.5</b> | <b>8.5</b> | <b>12.0</b> | <b>12.0</b> |
|                                | Welcome & Keynote Address   | 8/13/24 7:50  | 8/13/24 9:00                | 1:09 |            | 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 10:41 | 8/13/24 11:10 | 0:28 | 0.5 |     | 0.5 | 0.5 |
| Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks  | 8/13/24 13:29 | 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 | 0:28 |     | 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 |
| 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 10:31 | 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 13:30 | 8/14/24 14:00 | 0:30 | 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 |
| 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 15:13 | 8/14/24 16:21 | 1:07 |     | 1.0 | 1.0 | 1.0 |
| Transforming Compliance Using Collaborative Technology   | 8/14/24 16:29 | 8/14/24 16:57 | 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 8:01  | 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 |
| Flexing Your Procurement Muscle  | 8/15/24 9:09  | 8/15/24 9:37  | 0:27 | 0.5 |     | 0.5 | 0.5 |
| City of Kalamazoo’s Holistic Approach to Selecting New Process Technologies  | 8/15/24 9:53  | 8/15/24 10:50 | 0:57 |     | 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        |            |
| <b>Boone, Daniel</b> | <b>Credits Requested:</b> Wastewater   |               |               | <b>Total Credits Earned</b> | <b>6.0</b> | <b>1.0</b> | <b>7.0</b> | <b>7.0</b> |
|                      | 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 10:30 | 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        |
| <b>Bosse, Joy</b>    | <b>Credits Requested:</b>  |               |               | <b>Total Credits Earned</b> | <b>2.5</b> | <b>0.5</b> | <b>3.0</b> | <b>3.0</b> |
|                      | 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 – 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        |
|                      | IDEM Update  | 8/13/24 15:56 | 8/13/24 16:26 | 0:30                        |            | 0.5        | 0.5        | 0.5        |
| <b>Bourke, Alex</b>  | <b>Credits Requested:</b>  |               |               | <b>Total Credits Earned</b> | <b>4.5</b> | <b>0.5</b> | <b>5.0</b> | <b>5.0</b> |

|                 |   |               |               |                             |            |            |            |
|-----------------|---|---------------|---------------|-----------------------------|------------|------------|------------|
|                 | 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 | <b>Credits Requested:</b>   |               |               | <b>Total Credits Earned</b> | <b>7.0</b> | <b>2.5</b> | <b>9.0</b> |
|                 | Workforce Development Roundtable  | 8/13/24 9:10  | 8/13/24 10:04 | 0:53                        | 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        |
|                 | 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        |
|                       | 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        |
|                       | 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        |
| <b>Bragiel, Jeff</b>  | <b>Credits Requested:</b>  |               |               |      | <b>0.5</b> | <b>0.0</b> | <b>0.5</b> |
|                       | <b>Total Credits Earned</b>  |               |               |      |            |            | <b>0.5</b> |
|                       | 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        |
| <b>Brooks, Richey</b> | <b>Credits Requested:</b>  |               |               |      | <b>4.0</b> | <b>2.0</b> | <b>6.0</b> |
|                       | <b>Total Credits Earned</b>  |               |               |      |            |            | <b>6.0</b> |
|                       | Welcome & Keynote Address  | 8/13/24 8:07  | 8/13/24 9:00  | 0:53 |            | 1.0        | 1.0        |
|                       | Workforce Development Roundtable   | 8/13/24 9:10  | 8/13/24 10:04 | 0:53 |            | 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        |            |            |
| <b>Brune, Nathan</b>   | <b>Credits Requested:</b> PDHs   |               |               |      | <b>Total Credits Earned</b> | <b>7.5</b> | <b>1.0</b> | <b>8.5</b> | <b>8.5</b> |
|                        | 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        |            |
| <b>BRZYSKI, CURTIS</b> | <b>Credits Requested:</b>  |               |               |      | <b>Total Credits Earned</b> | <b>0.5</b> | <b>1.5</b> | <b>2.0</b> | <b>2.0</b> |
|                        | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks                      | 8/13/24 13:26 | 8/13/24 13:55 | 0:28 |                             | 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        |
| <b>Buechler, Dylan</b> | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> | <b>2.0</b> | <b>0.5</b> | <b>2.5</b> | <b>2.5</b> |
|                        | 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        |
|                        | 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        |
| <b>Buell, Kristen</b>  | <b>Credits Requested: PDHs</b>  |               | <b>Total Credits Earned</b> | <b>2.5</b> | <b>1.5</b> | <b>4.0</b> | <b>4.0</b> |
|                        | 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 9:23  | 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        |
|                        | 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 14:05 | 8/14/24 14:35               | 0:30       | 0.5        | 0.5        | 0.5        |
|                        | Indiana Law and Statutes  | 8/14/24 15:18 | 8/14/24 16:21               | 1:03       |            | 1.0        | 1.0        |
| <b>Burdick, Rowan</b>  | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> | <b>3.0</b> | <b>0.5</b> | <b>3.5</b> | <b>3.5</b> |



|                         |   |               |               |      |            |            |            |
|-------------------------|---|---------------|---------------|------|------------|------------|------------|
|                         | 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        |
| <b>Burgelin, John</b>   |   |               |               |      |            |            |            |
|                         | <b>Credits Requested:</b>   |               |               |      | <b>2.0</b> | <b>1.5</b> | <b>3.5</b> |
|                         |   |               |               |      |            |            | <b>3.5</b> |
|                         | 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        |
| <b>Burkhart, Darren</b> |   |               |               |      |            |            |            |
|                         | <b>Credits Requested: PDHs</b>  |               |               |      | <b>3.0</b> | <b>1.0</b> | <b>4.0</b> |
|                         |   |               |               |      |            |            | <b>4.0</b> |
|                         | 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 Approach for Success  | 8/14/24 10:34 | 8/14/24 11:02 | 0:28 | 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 14:02 | 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        |
|                      | 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        |
| <b>Burnett, Tole</b> |  |               |                             |            |            |            |            |
|                      | <b>Credits Requested:</b>  |               | <b>Total Credits Earned</b> | <b>0.0</b> | <b>1.0</b> | <b>1.0</b> | <b>1.0</b> |
|                      | Welcome & Keynote Address  | 8/13/24 8:05  | 8/13/24 9:00                | 0:54       |            | 1.0        | 1.0        |
| <b>Burns, Aaron</b>  |  |               |                             |            |            |            |            |
|                      | <b>Credits Requested:</b> PDHs   |               | <b>Total Credits Earned</b> | <b>6.0</b> | <b>3.5</b> | <b>9.5</b> | <b>9.5</b> |
|                      | Welcome & Keynote Address  | 8/13/24 7:46  | 8/13/24 9:00                | 1:13       |            | 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        |
|                      | 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        |
|                      | 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        |
|                      | SRF Basics   | 8/13/24 15:56 | 8/13/24 16:29               | 0:33       |            | 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        |
|                      | 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        |
| <b>Burroughs, Benjamin</b> | <b>Credits Requested:</b> PDHs  |               | <b>Total Credits Earned</b> | <b>1.0</b> | <b>0.0</b> | <b>1.0</b> | <b>1.0</b> |
|                            | 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        |
| <b>Butts, Samantha</b>     | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> | <b>1.0</b> | <b>0.5</b> | <b>1.5</b> | <b>1.5</b> |
|                            | 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        |
| <b>Caldwell, Christian</b> | <b>Credits Requested:</b> Wastewater  |               | <b>Total Credits Earned</b> | <b>2.5</b> | <b>1.0</b> | <b>3.5</b> | <b>3.5</b> |
|                            | Welcome & Keynote Address   | 8/13/24 8:01  | 8/13/24 9:00                | 0:58       |            | 1.0        | 1.0        |

|                        |  |               |                             |            |            |             |             |
|------------------------|--|---------------|-----------------------------|------------|------------|-------------|-------------|
|                        | Critical Maintenance Techniques<br>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<br>Disinfection & The Benefits to<br>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 –<br>From Concept to Demonstrated<br>Performance   | 8/13/24 14:00 | 8/13/24 14:25               | 0:24       | 0.5        | 0.5         | 0.5         |
|                        | Maximizing the Effectiveness of<br>Your Public Education, Outreach<br>and Participation Minimum<br>Control Measures  | 8/13/24 14:55 | 8/13/24 15:25               | 0:29       | 0.5        | 0.5         | 0.5         |
| <b>Calhoun, Rachel</b> | <b>Credits Requested:</b>  |               | <b>Total Credits Earned</b> | <b>2.0</b> | <b>1.5</b> | <b>3.5</b>  | <b>3.5</b>  |
|                        | Welcome & Keynote Address  | 8/13/24 8:01  | 8/13/24 9:00                | 0:58       |            | 1.0         | 1.0         |
|                        | Tips for Labs that you may not<br>know   | 8/15/24 8:03  | 8/15/24 8:30                | 0:27       | 0.5        |             | 0.5         |
|                        | IWEA WASTEWATER<br>LABORATORY ANALYST<br>CERTIFICATION   | 8/15/24 8:35  | 8/15/24 9:00                | 0:25       |            | 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         |
|                        | Pipes, Prints and Prototypes:<br>Exploring 3D Printing Potential<br>in Wastewater Laboratories   | 8/15/24 10:56 | 8/15/24 11:55               | 0:59       | 1.0        |             | 1.0         |
| <b>Calhoun, Travis</b> | <b>Credits Requested:</b> Wastewater   |               | <b>Total Credits Earned</b> | <b>6.0</b> | <b>4.0</b> | <b>10.0</b> | <b>10.0</b> |
|                        | Welcome & Keynote Address  | 8/13/24 8:05  | 8/13/24 9:00                | 0:54       |            | 1.0         | 1.0         |
|                        | Biosolids: Fail to Plan; Plan to<br>Fail   | 8/13/24 10:42 | 8/13/24 11:40               | 0:57       | 1.0        |             | 1.0         |
|                        | Understanding the Mechanistic<br>Pathways in Sub and<br>Supercritical Water Oxidation<br>Processes for the Destruction of<br>PFAS and Emerging<br>Contaminants | 8/13/24 14:01 | 8/13/24 14:28               | 0:26       | 0.5        |             | 0.5         |
|                        | Benefits of Partnering to Reduce<br>Inflow and Infiltration  | 8/13/24 14:58 | 8/13/24 15:25               | 0:27       | 0.5        |             | 0.5         |
|                        | SRF Basics   | 8/13/24 16:00 | 8/13/24 16:29               | 0:29       |            | 0.5         | 0.5         |
|                        | Forecasting Urban Water<br>Escherichia coli Contamination<br>Using Machine Learning Models   | 8/13/24 16:26 | 8/13/24 17:00               | 0:34       |            | 0.5         | 0.5         |
|                        | Mastering the Art of Master<br>Planning  | 8/14/24 7:53  | 8/14/24 9:00                | 1:07       | 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        |            |
| <b>Canterbury, Zach</b> | <b>Credits Requested:</b>  |               |               |      | <b>Total Credits Earned</b> | <b>1.0</b> | <b>1.0</b> | <b>2.0</b> | <b>2.0</b> |
|                         | 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        |            |
| <b>Capo, Robert</b>     | <b>Credits Requested:</b> Wastewater   |               |               |      | <b>Total Credits Earned</b> | <b>1.5</b> | <b>2.0</b> | <b>3.5</b> | <b>3.5</b> |
|                         | 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        |            |
| <b>Carl, David</b>      | <b>Credits Requested:</b> Wastewater   |               |               |      | <b>Total Credits Earned</b> | <b>6.0</b> | <b>1.5</b> | <b>7.5</b> | <b>7.5</b> |
|                         | 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 13:55 | 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        |
|                        | 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        |
| <b>Carlson, Cheryl</b> |   |               |                             |            |            |            |            |
|                        | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> | <b>3.0</b> | <b>0.0</b> | <b>3.0</b> | <b>3.0</b> |
|                        | 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        |
| <b>Carlson, Eric</b>   |   |               |                             |            |            |            |            |
|                        | <b>Credits Requested: PDHs</b>  |               | <b>Total Credits Earned</b> | <b>6.5</b> | <b>2.0</b> | <b>8.5</b> | <b>8.5</b> |
|                        | 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   | <b>Credits Requested:</b>   |                                      |               |      | <b>Total Credits Earned</b> | <b>0.5</b>                  | <b>0.0</b> | <b>0.5</b> | <b>0.5</b> |
|   | 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   | <b>Credits Requested:</b>   |                                      |               |      | <b>Total Credits Earned</b> | <b>0.0</b>                  | <b>0.5</b> | <b>0.5</b> | <b>0.5</b> |
|   | 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   | <b>Credits Requested:</b>   |                                      |               |      | <b>Total Credits Earned</b> | <b>2.5</b>                  | <b>1.0</b> | <b>3.5</b> | <b>3.5</b> |
|   | 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   | <b>Credits Requested: Wastewater</b> |               |      |                             | <b>Total Credits Earned</b> | <b>5.0</b> | <b>2.0</b> | <b>7.0</b> |
| 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 Fail                     |   | 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         |
|                       | Basics of pH   | 8/15/24 9:48  | 8/15/24 10:15 | 0:27 | 0.5        | 0.5        | 0.5         |
| Castro Jackson, Katie | <b>Credits Requested: PDHs</b>   |               |               |      | <b>8.0</b> | <b>6.0</b> | <b>14.0</b> |
|                       | <b>Total Credits Earned</b>  |               |               |      | <b>8.0</b> | <b>6.0</b> | <b>14.0</b> |
|                       | 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 10:04 | 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        |
|                       | Getting the Next Generation Excited about Wastewater   | 8/14/24 15:58 | 8/14/24 16:25 | 0:27 |                             | 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        |
| <b>Catron, Jimmie</b> |  |               |               |      |                             |            |            |
|                       | <b>Credits Requested:</b>  |               |               |      | <b>Total Credits Earned</b> | <b>1.0</b> | <b>0.0</b> |
|                       |  |               |               |      |                             | <b>1.0</b> | <b>1.0</b> |
|                       | 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        |
| <b>Chiu, Hsiaohan</b> |  |               |               |      |                             |            |            |
|                       | <b>Credits Requested:</b> PDHs   |               |               |      | <b>Total Credits Earned</b> | <b>3.0</b> | <b>0.5</b> |
|                       |  |               |               |      |                             | <b>3.5</b> | <b>3.5</b> |
|                       | 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        |
|                       | 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 | <b>Credits Requested:</b>  |               |               |      | <b>Total Credits Earned</b> | <b>1.0</b> | <b>0.0</b> | <b>1.0</b> | <b>1.0</b> |
|               | 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  | <b>Credits Requested:</b>  |               |               |      | <b>Total Credits Earned</b> | <b>1.0</b> | <b>3.0</b> | <b>4.0</b> | <b>4.0</b> |
|               | 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 13:25 | 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  | <b>Credits Requested:</b> PDHs   |               |               |      | <b>Total Credits Earned</b> | <b>1.5</b> | <b>3.5</b> | <b>5.0</b> | <b>5.0</b> |
|               | Welcome & Keynote Address  | 8/13/24 8:09  | 8/13/24 9:00  | 0:50 |                             | 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        |            |
| <b>Claus, PE, BCEE, Richard</b> |  |                             |               |      |            |            |            |            |
|                                 | <b>Credits Requested:</b>  | <b>Total Credits Earned</b> |               |      | <b>4.0</b> | <b>1.5</b> | <b>5.5</b> | <b>5.5</b> |
|                                 | 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        |            |
| <b>Comer, Kristin</b>           |  |                             |               |      |            |            |            |            |
|                                 | <b>Credits Requested:</b> PDHs   | <b>Total Credits Earned</b> |               |      | <b>1.5</b> | <b>0.5</b> | <b>2.0</b> | <b>2.0</b> |
|                                 | 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         |
| <b>Corbin III, Pete</b> | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> | <b>3.5</b> | <b>0.0</b> | <b>3.5</b>  | <b>3.5</b>  |
|                         | 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         |
| <b>Cordell, Brandon</b> | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> | <b>1.0</b> | <b>1.0</b> | <b>2.0</b>  | <b>2.0</b>  |
|                         | 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         |
| <b>Corsaro, Kevin</b>   | <b>Credits Requested:</b> Wastewater  |               | <b>Total Credits Earned</b> | <b>9.0</b> | <b>4.0</b> | <b>13.0</b> | <b>13.0</b> |
|                         | 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 10:04 | 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 |

|                      |  |               |               |                             |            |            |             |             |
|----------------------|--|---------------|---------------|-----------------------------|------------|------------|-------------|-------------|
|                      | 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         |             |
| <b>Corsaro, Pete</b> | <b>Credits Requested:</b> Wastewater   |               |               | <b>Total Credits Earned</b> | <b>7.5</b> | <b>2.5</b> | <b>10.0</b> | <b>10.0</b> |
|                      | 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         |
| <b>Couse, Terri</b>  | <b>Credits Requested:</b>  |               |               | <b>Total Credits Earned</b> | <b>3.0</b> | <b>1.5</b> | <b>4.5</b>  | <b>4.5</b>  |

|                      |  |               |               |                             |            |            |            |            |
|----------------------|--|---------------|---------------|-----------------------------|------------|------------|------------|------------|
|                      | 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        |            |
| <b>Craig, Jon</b>    | <b>Credits Requested:</b>  |               |               | <b>Total Credits Earned</b> | <b>0.5</b> | <b>0.0</b> | <b>0.5</b> | <b>0.5</b> |
|                      | Basics of pH   | 8/15/24 9:48  | 8/15/24 10:15 | 0:27                        | 0.5        | 0.5        | 0.5        |            |
| <b>Crawford, Tim</b> | <b>Credits Requested:</b> Wastewater   |               |               | <b>Total Credits Earned</b> | <b>5.5</b> | <b>2.0</b> | <b>7.5</b> | <b>7.5</b> |
|                      | 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        |            |
|                      | Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities   | 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 14:00 | 8/13/24 14:25 | 0:24                        | 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        |            |
|                      | Benefits of Big Bubble Mixing  | 8/14/24 8:35  | 8/14/24 9:00  | 0:24                        | 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        |            |
|                      | North Interceptor Sewer - Danville, IN   | 8/14/24 10:04 | 8/14/24 10:35 | 0:30                        | 0.5        | 0.5        | 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        |
| <b>Creamer, Justin</b> | <b>Credits Requested:</b>  |               | <b>Total Credits Earned</b> | <b>3.5</b> | <b>3.0</b> | <b>6.5</b> | <b>6.5</b> |
|                        | 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        |
| <b>CREASY, ANDREW</b>  | <b>Credits Requested:</b>  |               | <b>Total Credits Earned</b> | <b>0.5</b> | <b>0.0</b> | <b>0.5</b> | <b>0.5</b> |
|                        | Water Treatment Regulatory Terms & Definitions   | 8/14/24 9:24  | 8/14/24 9:58                | 0:34       | 0.5        | 0.5        | 0.5        |
| <b>Crist, John</b>     | <b>Credits Requested:</b>  |               | <b>Total Credits Earned</b> | <b>0.0</b> | <b>0.0</b> | <b>0.0</b> | <b>0.0</b> |
| <b>Culver, Josh</b>    |  |               |                             |            |            |            |            |

|  |  |                             |               |      |            |            |            |            |
|--|--|-----------------------------|---------------|------|------------|------------|------------|------------|
|  | <b>Credits Requested:</b> PDHs   | <b>Total Credits Earned</b> |               |      | <b>1.0</b> | <b>2.0</b> | <b>3.0</b> | <b>3.0</b> |
|  | 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        |
| <b>Cunningham, Michael</b>   | <b>Credits Requested:</b>  | <b>Total Credits Earned</b> |               |      | <b>1.5</b> | <b>0.0</b> | <b>1.5</b> | <b>1.5</b> |
| 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        |            |
| <b>Currie, Kaitlyn</b>   | <b>Credits Requested:</b> PDHs   | <b>Total Credits Earned</b> |               |      | <b>6.0</b> | <b>3.5</b> | <b>9.5</b> | <b>9.5</b> |
| 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 10:31  | 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        |
|                       | Leading Change  | 8/14/24 16:30 | 8/14/24 16:58 | 0:28 | 0.5        | 0.5        | 0.5        |
| <b>Curry, Cameron</b> |   |               |               |      |            |            |            |
|                       | <b>Credits Requested:</b>   |               |               |      | <b>1.5</b> | <b>3.0</b> | <b>4.5</b> |
|                       | 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 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        |
|                 | 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 | <b>Credits Requested:</b>  |               |               |      | <b>5.5</b> | <b>3.0</b> | <b>8.5</b> |
|                 | 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        |
|                 | 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        |
|                 | 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        |
| <b>Curtis, Mark</b> | <b>Credits Requested: Wastewater</b>   |               | <b>Total Credits Earned</b> |      | <b>6.5</b> | <b>2.0</b> | <b>8.5</b> | <b>8.5</b> |
|                     | 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 sewer   | 8/13/24 10:44 | 8/13/24 11:10               | 0:25 | 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        |
|                     | PFAS Regulations Impact on the Future of Land Application  | 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 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 7:51  | 8/14/24 8:56                | 1:04 | 1.0        |            | 1.0        | 1.0        |
|                     | 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 10:01 | 8/14/24 10:55               | 0:53 | 1.0        |            | 1.0        | 1.0        |
|                     | 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        |
|                     | Transforming Compliance Using Collaborative Technology   | 8/14/24 16:21 | 8/14/24 16:57               | 0:36 | 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 10:13 | 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        |
| <b>Cushing, Henry</b> | <b>Credits Requested: PDHs</b>  |               | <b>Total Credits Earned</b> | <b>1.0</b> | <b>2.5</b> | <b>3.5</b> | <b>3.5</b> |
|                       | 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        |
| <b>Custer, Kevin</b>  | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> | <b>2.5</b> | <b>0.0</b> | <b>2.5</b> | <b>2.5</b> |
|                       | 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        |
| <b>Czarnik, Jim</b>   | <b>Credits Requested: PDHs</b>  |               | <b>Total Credits Earned</b> | <b>4.0</b> | <b>3.0</b> | <b>7.0</b> | <b>7.0</b> |
|                       | 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        |            |
| <b>Czerniakowski, Kevin</b> | <b>Credits Requested: PDHs</b>   |               |               | <b>Total Credits Earned</b> | <b>2.5</b> | <b>0.0</b> | <b>2.5</b> | <b>2.5</b> |
|                             | 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        |            |
| <b>Dabertin, Matt</b>       |  |               |               |                             |            |            |            |            |

|   |   |                             |               |      |            |            |            |            |
|---|---|-----------------------------|---------------|------|------------|------------|------------|------------|
|   | <b>Credits Requested:</b> PDHs  | <b>Total Credits Earned</b> |               |      | <b>2.5</b> | <b>1.5</b> | <b>4.0</b> | <b>4.0</b> |
|   | 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        |
| <b>Dailey, Kurtis</b>   | <b>Credits Requested:</b> Drinking Water, Wastewater  | <b>Total Credits Earned</b> |               |      | <b>3.5</b> | <b>2.0</b> | <b>5.5</b> | <b>5.5</b> |
| 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        |            |



Das Lappin, Maithilee

| <b>Credits Requested:</b> PDHs  | <b>Total Credits Earned</b> |               |      | <b>4.5</b> | <b>5.5</b> | <b>10.0</b> | <b>10.0</b> |
|---|-----------------------------|---------------|------|------------|------------|-------------|-------------|
| 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        |
| <b>Davenport, Aaron</b> | <b>Credits Requested: PDHs</b>  |               | <b>Total Credits Earned</b> | <b>0.5</b> | <b>1.5</b> | <b>2.0</b> | <b>2.0</b> |
|                         | 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        |
| <b>Davidson, Derek</b>  | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> | <b>2.5</b> | <b>1.5</b> | <b>4.0</b> | <b>4.0</b> |
|                         | 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        |
| <b>Davis, Carmen</b>    | <b>Credits Requested: Wastewater</b>  |               | <b>Total Credits Earned</b> | <b>4.5</b> | <b>0.0</b> | <b>4.5</b> | <b>4.5</b> |
|                         | 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        |
|                         | 21ST Century FOG Management   | 8/14/24 13:23 | 8/14/24 13:58               | 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               | 0:30       | 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         |
| <b>Davison, Brian</b> | <b>Credits Requested: Wastewater</b>  |               |                             |            |            |             |             |
|                       |   |               | <b>Total Credits Earned</b> | <b>5.5</b> | <b>6.0</b> | <b>11.5</b> | <b>11.5</b> |
|                       | Welcome & Keynote Address   | 8/13/24 7:48  | 8/13/24 9:00                | 1:11       |            | 1.0         | 1.0         |
|                       | Operator Certification Update   | 8/13/24 10:39 | 8/13/24 11:07               | 0:27       |            | 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         |
|                       | 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         |
|                       | 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         |
|                       | IDEM Update   | 8/13/24 15:56 | 8/13/24 16:26               | 0:29       |            | 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         |
|                       | 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         |
|                       | 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         |
|                       | 50 Years Later and SND Still Works  | 8/14/24 13:24 | 8/14/24 14:00               | 0:35       | 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         |
|                       | A Gen Z Perspective on the Wastewater Industry  | 8/14/24 15:16 | 8/14/24 15:55               | 0:38       |            | 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         |
|                       | Leading Change  | 8/14/24 16:30 | 8/14/24 16:58               | 0:28       |            | 0.5         | 0.5         |
|                       | Ultra-Low Phosphorus Limits   | 8/15/24 8:00  | 8/15/24 8:30                | 0:29       | 0.5        |             | 0.5         |
|                       | Emergency Preparedness and Procedures   | 8/15/24 8:38  | 8/15/24 9:10                | 0:31       |            | 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         |

|                            |  |               |               |      |                             |            |            |            |            |
|----------------------------|--|---------------|---------------|------|-----------------------------|------------|------------|------------|------------|
|                            | Pipes, Prints and Prototypes:<br>Exploring 3D Printing Potential<br>in Wastewater Laboratories   | 8/15/24 11:00 | 8/15/24 11:55 | 0:55 | 1.0                         | 1.0        | 1.0        |            |            |
| <b>De Cristofaro, Luis</b> | <b>Credits Requested:</b> PDHs   |               |               |      | <b>Total Credits Earned</b> | <b>1.5</b> | <b>0.0</b> | <b>1.5</b> | <b>1.5</b> |
|                            | Biosolids: Fail to Plan; Plan to<br>Fail   | 8/13/24 10:39 | 8/13/24 11:40 | 1:01 | 1.0                         | 1.0        | 1.0        |            |            |
|                            | Understanding the Mechanistic<br>Pathways in Sub and<br>Supercritical Water Oxidation<br>Processes for the Destruction of<br>PFAS and Emerging<br>Contaminants | 8/13/24 14:01 | 8/13/24 14:28 | 0:26 | 0.5                         | 0.5        | 0.5        |            |            |
| <b>Deahl, Teddy</b>        | <b>Credits Requested:</b>  |               |               |      | <b>Total Credits Earned</b> | <b>0.0</b> | <b>3.5</b> | <b>3.5</b> | <b>3.5</b> |
|                            | Welcome & Keynote Address  | 8/13/24 7:55  | 8/13/24 9:00  | 1:05 | 1.0                         | 1.0        | 1.0        |            |            |
|                            | Workforce Development<br>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<br>Escherichia coli Contamination<br>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<br>Excited about Wastewater  | 8/14/24 15:58 | 8/14/24 16:25 | 0:27 | 0.5                         | 0.5        | 0.5        |            |            |
| <b>DeLisle, Nathan</b>     | <b>Credits Requested:</b>  |               |               |      | <b>Total Credits Earned</b> | <b>1.0</b> | <b>1.0</b> | <b>2.0</b> | <b>2.0</b> |
|                            | 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 -<br>Design Capacity Compared to<br>Real World Observations   | 8/14/24 14:05 | 8/14/24 14:35 | 0:30 | 0.5                         | 0.5        | 0.5        |            |            |
| <b>Desharnais, Brian</b>   | <b>Credits Requested:</b> PDHs   |               |               |      | <b>Total Credits Earned</b> | <b>0.0</b> | <b>2.0</b> | <b>2.0</b> | <b>2.0</b> |
|                            | Ethics in Engineering  | 8/14/24 13:05 | 8/14/24 14:30 | 1:25 | 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        |            |            |
| <b>Dewey, Tony</b>         | <b>Credits Requested:</b>  |               |               |      | <b>Total Credits Earned</b> | <b>0.5</b> | <b>0.0</b> | <b>0.5</b> | <b>0.5</b> |
|                            | North Interceptor Sewer -<br>Danville, IN  | 8/14/24 10:05 | 8/14/24 10:35 | 0:29 | 0.5                         | 0.5        | 0.5        |            |            |
| <b>DeWitt, Brian</b>       | <b>Credits Requested:</b> Wastewater   |               |               |      | <b>Total Credits Earned</b> | <b>7.5</b> | <b>1.5</b> | <b>9.0</b> | <b>9.0</b> |

|                     |  |               |               |      |            |            |            |
|---------------------|--|---------------|---------------|------|------------|------------|------------|
|                     | 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        |
|                     | 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        |
|                     | 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        |
| <b>DeWitt, Jeff</b> |  |               |               |      |            |            |            |
|                     | <b>Credits Requested:</b>  |               |               |      | <b>2.5</b> | <b>0.5</b> | <b>3.0</b> |
|                     | <b>Total Credits Earned</b>  |               |               |      |            |            | <b>3.0</b> |
|                     | 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        |

|                           |   |               |                             |            |            |            |            |
|---------------------------|---|---------------|-----------------------------|------------|------------|------------|------------|
|                           | 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        |
| <b>Dezellan, Nicholas</b> | <b>Credits Requested:</b> Drinking Water, Wastewater  |               | <b>Total Credits Earned</b> | <b>3.5</b> | <b>2.0</b> | <b>5.5</b> | <b>5.5</b> |
|                           | 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        |
| <b>Dickey, Darrin</b>     | <b>Credits Requested:</b> Drinking Water, Wastewater  |               | <b>Total Credits Earned</b> | <b>1.5</b> | <b>0.0</b> | <b>1.5</b> | <b>1.5</b> |
|                           | 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        |
| <b>DiTommaso, Jill</b>    | <b>Credits Requested:</b> PDHs  |               | <b>Total Credits Earned</b> | <b>4.0</b> | <b>3.5</b> | <b>7.5</b> | <b>7.5</b> |

|                      |  |               |               |      |                             |            |            |            |            |
|----------------------|--|---------------|---------------|------|-----------------------------|------------|------------|------------|------------|
|                      | 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 11:10 | 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 13:29 | 8/13/24 14:00 | 0:31 |                             | 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        |            |            |
|                      | 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 15:52 | 8/13/24 16:29 | 0:36 |                             | 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        |            |            |
|                      | 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 9:28  | 8/14/24 10:30 | 1:01 |                             | 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        |            |            |
|                      | Lafayette Prairie Oaks Pipeline Rehab  | 8/14/24 15:17 | 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 15:50 | 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        |            |            |
| <b>Dompke, Scott</b> |  |               |               |      |                             |            |            |            |            |
|                      | <b>Credits Requested:</b>  |               |               |      | <b>Total Credits Earned</b> | <b>1.0</b> | <b>2.0</b> | <b>3.0</b> | <b>3.0</b> |
|                      | Mastering the Art of Master Planning   | 8/14/24 7:53  | 8/14/24 9:00  | 1:07 | 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        |            |
|                      | Indiana Law and Statutes   | 8/14/24 15:19 | 8/14/24 16:21 | 1:01 |                             | 1.0        | 1.0        | 1.0        |            |
| <b>Doub, Bret</b>    |  |               |               |      |                             |            |            |            |            |
|                      | <b>Credits Requested:</b> Wastewater   |               |               |      | <b>Total Credits Earned</b> | <b>6.5</b> | <b>3.0</b> | <b>9.5</b> | <b>9.5</b> |
|                      | Welcome & Keynote Address  | 8/13/24 7:54  | 8/13/24 9:00  | 1:05 |                             | 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 |
| 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



|   |  |                             |               |      |            |            |            |            |
|---|--|-----------------------------|---------------|------|------------|------------|------------|------------|
|   | <b>Credits Requested:</b>  | <b>Total Credits Earned</b> |               |      | <b>2.0</b> | <b>1.0</b> | <b>3.0</b> | <b>3.0</b> |
|   | 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        |
| <b>Dove, White</b>  | <b>Credits Requested:</b>  | <b>Total Credits Earned</b> |               |      | <b>1.5</b> | <b>0.0</b> | <b>1.5</b> | <b>1.5</b> |
| 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        |            |
| <b>Downey, David Adam</b>   | <b>Credits Requested:</b> Wastewater   | <b>Total Credits Earned</b> |               |      | <b>6.0</b> | <b>1.5</b> | <b>7.5</b> | <b>7.5</b> |
| Biosolids: Fail to Plan; Plan to Fail   | 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 13:23  | 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        |            |

|   |  |               |               |                             |            |            |             |             |
|---|--|---------------|---------------|-----------------------------|------------|------------|-------------|-------------|
|   | 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         |             |
|   | 21ST Century FOG Management  | 8/14/24 13:17 | 8/14/24 13:59 | 0:41                        | 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 | 0:39                        | 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         |             |
|   | 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 9:00  | 0:28                        | 0.5        | 0.5        | 0.5         |             |
| <b>Dryer, Brady</b>   | <b>Credits Requested: PDHs</b>   |               |               | <b>Total Credits Earned</b> | <b>0.0</b> | <b>1.0</b> | <b>1.0</b>  | <b>1.0</b>  |
| Operator Certification Update   | 8/13/24 10:30  | 8/13/24 11:07 | 0:36          | 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        |             |             |
| <b>Dubey, David</b>   | <b>Credits Requested: PDHs</b>   |               |               | <b>Total Credits Earned</b> | <b>0.5</b> | <b>0.0</b> | <b>0.5</b>  | <b>0.5</b>  |
| 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        |             |             |
| <b>Dunn, Keegan</b>   | <b>Credits Requested:</b>  |               |               | <b>Total Credits Earned</b> | <b>3.0</b> | <b>7.0</b> | <b>10.0</b> | <b>10.0</b> |
| Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks           | 8/13/24 13:26  | 8/13/24 13:52 | 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        |             |             |
| 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 | 0:27          | 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 16:56 | 0:25          | 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 8:25  | 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         |
|                     | 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         |
|                     | Ethics in Engineering  | 8/14/24 13:29 | 8/14/24 14:30 | 1:01 |            | 1.0        | 1.0         |
|                     | Indiana Law and Statutes   | 8/14/24 15:18 | 8/14/24 16:21 | 1:03 |            | 1.0        | 1.0         |
|                     | Leading Change   | 8/14/24 16:30 | 8/14/24 16:58 | 0:27 |            | 0.5        | 0.5         |
|                     | Ultra-Low Phosphorus Limits  | 8/15/24 7:59  | 8/15/24 8:30  | 0:30 | 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         |
|                     | 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         |
| <b>Durden, Fred</b> |  |               |               |      |            |            |             |
|                     | <b>Credits Requested:</b>  |               |               |      | <b>6.5</b> | <b>3.5</b> | <b>10.0</b> |
|                     | <b>Total Credits Earned</b>  |               |               |      |            |            | <b>10.0</b> |
|                     | Welcome & Keynote Address  | 8/13/24 7:52  | 8/13/24 9:00  | 1:07 |            | 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         |
|                     | 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         |
|                     | Optimizing Final Clarifiers – From Concept to Demonstrated Performance                 | 8/13/24 14:00 | 8/13/24 14:25 | 0:24 | 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         |
|                     | Benefits of Big Bubble Mixing  | 8/14/24 8:28  | 8/14/24 9:00  | 0:32 | 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         |
|                     | 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         |
|                     | 50 Years Later and SND Still Works   | 8/14/24 13:28 | 8/14/24 14:00 | 0:31 | 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         |
|                     | A Gen Z Perspective on the Wastewater Industry   | 8/14/24 15:16 | 8/14/24 15:55 | 0:38 |            | 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         |             |
| <b>Dwyer, Michael</b>  |   |                             |               |      |            |            |             |             |
|                        | <b>Credits Requested:</b>   | <b>Total Credits Earned</b> |               |      | <b>1.0</b> | <b>1.5</b> | <b>2.5</b>  | <b>2.5</b>  |
|                        | 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         |             |
|                        | 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         |             |
| <b>Early, Kimberly</b> |   |                             |               |      |            |            |             |             |
|                        | <b>Credits Requested:</b>   | <b>Total Credits Earned</b> |               |      | <b>9.0</b> | <b>3.0</b> | <b>12.0</b> | <b>12.0</b> |
|                        | 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         |
|              | 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 | <b>Credits Requested: PDHs</b>   |               |               |      | <b>9.0</b> | <b>5.0</b> | <b>14.0</b> |
|              | <b>Total Credits Earned</b>  |               |               |      |            |            | <b>14.0</b> |
|              | Welcome & Keynote Address  | 8/13/24 7:46  | 8/13/24 9:00  | 1:13 |            | 1.0        | 1.0         |
|              | Workforce Development Roundtable   | 8/13/24 9:10  | 8/13/24 10:04 | 0:53 |            | 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         |
|              | 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         |
|              | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks                          | 8/13/24 13:24 | 8/13/24 13:52 | 0:27 |            | 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         |
|              | Benefits of Partnering to Reduce Inflow and Infiltration                                     | 8/13/24 14:56 | 8/13/24 15:25 | 0:28 | 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        |            |            |
|                           | 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        |            |            |
| <b>Ehlerding, Tim</b>     | <b>Credits Requested:</b>  |               |               |      | <b>Total Credits Earned</b> | <b>0.5</b> | <b>2.0</b> | <b>2.5</b> | <b>2.5</b> |
|                           | 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        |            |
| <b>Eichhorst, Jessica</b> | <b>Credits Requested: PDHs</b>   |               |               |      | <b>Total Credits Earned</b> | <b>0.0</b> | <b>0.5</b> | <b>0.5</b> | <b>0.5</b> |
|                           | IDEM Update  | 8/13/24 16:01 | 8/13/24 16:27 | 0:25 |                             | 0.5        | 0.5        | 0.5        |            |
| <b>Elliott, Rylan</b>     | <b>Credits Requested:</b>  |               |               |      | <b>Total Credits Earned</b> | <b>0.5</b> | <b>0.0</b> | <b>0.5</b> | <b>0.5</b> |
|                           | Benefits of Big Bubble Mixing  | 8/14/24 8:29  | 8/14/24 9:00  | 0:30 | 0.5                         |            | 0.5        | 0.5        |            |
| <b>Enabnit, Hannah</b>    | <b>Credits Requested: PDHs</b>   |               |               |      | <b>Total Credits Earned</b> | <b>2.0</b> | <b>1.5</b> | <b>3.5</b> | <b>3.5</b> |
|                           | 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        |
| <b>Engelhardt, Daniel</b> | <b>Credits Requested:</b>  |               | <b>Total Credits Earned</b> | <b>0.0</b> | <b>1.0</b> | <b>1.0</b> | <b>1.0</b> |
|                           | Welcome & Keynote Address  | 8/13/24 7:51  | 8/13/24 9:00                | 1:08       | 1.0        | 1.0        | 1.0        |
| <b>Erwin, Casey</b>       | <b>Credits Requested:</b> PDHs   |               | <b>Total Credits Earned</b> | <b>1.5</b> | <b>1.0</b> | <b>2.5</b> | <b>2.5</b> |
|                           | 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        |
| <b>Estupinan, Vicente</b> | <b>Credits Requested:</b> PDHs   |               | <b>Total Credits Earned</b> | <b>1.5</b> | <b>1.5</b> | <b>3.0</b> | <b>3.0</b> |
|                           | 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 10:34 | 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 11:11 | 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        |
| <b>Etzler, William</b>    | <b>Credits Requested:</b>  |               | <b>Total Credits Earned</b> | <b>1.5</b> | <b>1.5</b> | <b>3.0</b> | <b>3.0</b> |



|                            |  |               |                             |      |            |            |            |            |
|----------------------------|--|---------------|-----------------------------|------|------------|------------|------------|------------|
|                            | 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        |            |
|                            | 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        |            |
|                            | 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        |            |
| <b>Evankovich, Patrick</b> | <b>Credits Requested:</b>  |               | <b>Total Credits Earned</b> |      | <b>0.5</b> | <b>0.0</b> | <b>0.5</b> | <b>0.5</b> |
|                            | 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        |            |
| <b>Evans, John</b>         | <b>Credits Requested: PDHs</b>   |               | <b>Total Credits Earned</b> |      | <b>0.5</b> | <b>3.0</b> | <b>3.5</b> | <b>3.5</b> |
|                            | Welcome & Keynote Address  | 8/13/24 7:59  | 8/13/24 9:00                | 1:00 |            | 1.0        | 1.0        |            |
|                            | Workforce Development Roundtable   | 8/13/24 9:10  | 8/13/24 10:04               | 0:53 |            | 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        |            |
|                            | 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        |            |
|                            | 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        |            |
| <b>Ewers, Cody</b>         | <b>Credits Requested: Wastewater</b>   |               | <b>Total Credits Earned</b> |      | <b>2.0</b> | <b>3.0</b> | <b>5.0</b> | <b>5.0</b> |
|                            | Welcome & Keynote Address  | 8/13/24 7:59  | 8/13/24 9:00                | 1:00 |            | 1.0        | 1.0        |            |
|                            | Workforce Development Roundtable   | 8/13/24 9:10  | 8/13/24 10:11               | 1:00 |            | 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 13:30 | 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 | <b>Credits Requested: Wastewater</b>  |               |               |      | <b>10.0</b> | <b>2.0</b> | <b>12.0</b> | <b>12.0</b> |
|                | 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 10:32 | 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        |            |            |
|                      | 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        |            |            |
|                      | 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        |            |            |
| <b>Fair, Alec</b>    |   |               |               |      |                             |            |            |            |            |
|                      | <b>Credits Requested: PDHs</b>  |               |               |      | <b>Total Credits Earned</b> | <b>3.0</b> | <b>1.0</b> | <b>4.0</b> | <b>4.0</b> |
|                      | 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        |            |            |
| <b>Fan, Jonathan</b> |   |               |               |      |                             |            |            |            |            |
|                      | <b>Credits Requested:</b>   |               |               |      | <b>Total Credits Earned</b> | <b>3.5</b> | <b>1.5</b> | <b>5.0</b> | <b>5.0</b> |
|                      | 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        |
| <b>Farrell, Craig</b>   | <b>Credits Requested: PDHs</b>  |               | <b>Total Credits Earned</b> |      | <b>3.0</b> | <b>2.0</b> | <b>5.0</b> |
| 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        |            |
| <b>Faruq, Umar</b>  |   |               |                             |      |            |            |            |

|                       |   |                             |                             |      |            |            |            |            |
|-----------------------|---|-----------------------------|-----------------------------|------|------------|------------|------------|------------|
|                       | <b>Credits Requested:</b>   | <b>Total Credits Earned</b> |                             |      | <b>2.5</b> | <b>4.5</b> | <b>6.5</b> | <b>6.5</b> |
|                       | 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        |
|                       | <b>Ferguson, Jeremy</b>   | <b>Credits Requested:</b>   | <b>Total Credits Earned</b> |      |            | <b>0.0</b> | <b>0.5</b> | <b>0.5</b> |
|                       | Operator Certification Update   | 8/13/24 10:36               | 8/13/24 11:07               | 0:30 |            | 0.5        | 0.5        | 0.5        |
| <b>Ferguson, Nick</b> | <b>Credits Requested: Wastewater</b>  | <b>Total Credits Earned</b> |                             |      | <b>5.5</b> | <b>2.5</b> | <b>8.0</b> | <b>8.0</b> |
|                       | 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 Fail   | 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 | <b>Credits Requested: Drinking Water, Wastewater</b>   |               |               |      | <b>2.0</b> | <b>6.5</b> | <b>8.5</b> |
|               | <b>Total Credits Earned</b>  |               |               |      |            |            | <b>8.5</b> |
|               | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks  | 8/13/24 13:24 | 8/13/24 13:52 | 0:28 |            | 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        |
|               | Benefits of Partnering to Reduce Inflow and Infiltration   | 8/13/24 14:58 | 8/13/24 15:25 | 0:27 | 0.5        |            | 0.5        |
|               | IDEM Update  | 8/13/24 15:53 | 8/13/24 16:26 | 0:33 |            | 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        |
|               | 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        |
|               | A Gen Z Perspective on the Wastewater Industry   | 8/14/24 15:23 | 8/14/24 15:55 | 0:31 |            | 0.5        | 0.5        |
|               | Leading Change   | 8/14/24 16:31 | 8/14/24 16:58 | 0:27 |            | 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        |
|               | 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        |

|                        |  |               |               |      |                             |             |            |             |             |
|------------------------|--|---------------|---------------|------|-----------------------------|-------------|------------|-------------|-------------|
|                        | 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        |             |             |
|                        | 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        |             |             |
| <b>Fisher, Vanessa</b> |  |               |               |      |                             |             |            |             |             |
|                        | <b>Credits Requested: Wastewater</b>   |               |               |      | <b>Total Credits Earned</b> | <b>11.5</b> | <b>2.0</b> | <b>13.5</b> | <b>13.5</b> |
|                        | 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         |
| <b>Fix, Bradley</b> |  |                             |               |      |            |            |             |             |
|                     | <b>Credits Requested: Wastewater</b>   | <b>Total Credits Earned</b> |               |      | <b>6.0</b> | <b>4.0</b> | <b>10.0</b> | <b>10.0</b> |
|                     | 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 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 | 0:28 | 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 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        |
| <b>Flamion, Drew</b> | <b>Credits Requested: PDHs</b>  |               |               |      | <b>5.5</b> | <b>2.5</b> | <b>8.0</b> |
|                      | Welcome & Keynote Address   | 8/13/24 7:53  | 8/13/24 9:00  | 1:06 |            | 1.0        | 1.0        |
|                      | Workforce Development Roundtable  | 8/13/24 9:10  | 8/13/24 10:17 | 1:06 |            | 1.0        | 1.0        |
|                      | Critical Maintenance Techniques Your Plant may be over looking  | 8/13/24 10:45 | 8/13/24 11:41 | 0:55 | 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        |
|                      | Benefits of Partnering to Reduce Inflow and Infiltration  | 8/13/24 15:03 | 8/13/24 15:25 | 0:22 | 0.5        |            | 0.5        |
|                      | IDEM Update   | 8/13/24 16:01 | 8/13/24 16:27 | 0:25 |            | 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        |
|                      | Benefits of Big Bubble Mixing   | 8/14/24 8:27  | 8/14/24 9:00  | 0:32 | 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        |
|                      | North Interceptor Sewer - Danville, IN  | 8/14/24 10:03 | 8/14/24 10:35 | 0:31 | 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         |
| <b>Flanagan, Daniel</b> | <b>Credits Requested: Wastewater</b>  |               |               |      | <b>6.5</b> | <b>4.0</b> | <b>10.5</b> |
|                         | Welcome & Keynote Address   | 8/13/24 7:58  | 8/13/24 9:00  | 1:01 |            | 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         |
|                         | 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         |
|                         | 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         |
|                         | Benefits of Partnering to Reduce Inflow and Infiltration  | 8/13/24 14:58 | 8/13/24 15:25 | 0:27 | 0.5        |            | 0.5         |
|                         | SRF Basics  | 8/13/24 15:58 | 8/13/24 16:29 | 0:31 |            | 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         |
|                         | Benefits of Big Bubble Mixing   | 8/14/24 8:27  | 8/14/24 9:00  | 0:32 | 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         |
|                         | 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         |
|                         | 50 Years Later and SND Still Works  | 8/14/24 13:31 | 8/14/24 14:00 | 0:29 | 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         |
|                         | Adaptive mixing and process optimization with energy savings  | 8/14/24 15:23 | 8/14/24 15:50 | 0:27 | 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         |

|                         |  |               |               |      |                             |            |            |             |             |
|-------------------------|--|---------------|---------------|------|-----------------------------|------------|------------|-------------|-------------|
|                         | 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        |             |             |
| <b>Fleig, Jane</b>      |  |               |               |      |                             |            |            |             |             |
|                         | <b>Credits Requested:</b> PDHs   |               |               |      | <b>Total Credits Earned</b> | <b>0.5</b> | <b>5.5</b> | <b>6.0</b>  | <b>6.0</b>  |
|                         | 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        |             |             |
| <b>FLETCHER, DURWIN</b> |  |               |               |      |                             |            |            |             |             |
|                         | <b>Credits Requested:</b> Wastewater   |               |               |      | <b>Total Credits Earned</b> | <b>9.5</b> | <b>2.5</b> | <b>12.0</b> | <b>12.0</b> |
|                         | 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        |             |             |

|                      |  |               |               |      |            |            |             |
|----------------------|--|---------------|---------------|------|------------|------------|-------------|
|                      | 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         |
| <b>Fletcher, Jim</b> |  |               |               |      |            |            |             |
|                      | <b>Credits Requested:</b> Wastewater   |               |               |      | <b>9.5</b> | <b>0.5</b> | <b>10.0</b> |
|                      | <b>Total Credits Earned</b>  |               |               |      |            |            | <b>10.0</b> |
|                      | 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         |
|            | 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         |
| Foo, Erika | <b>Credits Requested:</b> Wastewater  |               |               | <b>Total Credits Earned</b> | <b>5.5</b> | <b>5.0</b> | <b>10.5</b> |
|            | Welcome & Keynote Address   | 8/13/24 7:59  | 8/13/24 9:00  | 1:00                        |            | 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         |
|            | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks   | 8/13/24 13:20 | 8/13/24 13:52 | 0:31                        |            | 0.5        | 0.5         |
|            |   |               |               |                             |            |            |             |

|                      |   |               |                             |            |            |            |            |
|----------------------|---|---------------|-----------------------------|------------|------------|------------|------------|
|                      | Communication & Collaboration:<br>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        |
| <b>Force, Angela</b> |   |               |                             |            |            |            |            |
|                      | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> | <b>0.0</b> | <b>1.0</b> | <b>1.0</b> | <b>1.0</b> |
|                      | Welcome & Keynote Address   | 8/13/24 8:05  | 8/13/24 9:00                | 0:54       | 1.0        | 1.0        | 1.0        |
| <b>Fowler, Jacob</b> |   |               |                             |            |            |            |            |
|                      | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> | <b>2.5</b> | <b>3.5</b> | <b>6.0</b> | <b>6.0</b> |
|                      | 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        |
|                    | 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        |
|                    | Benefits of Partnering to Reduce Inflow and Infiltration                                     | 8/13/24 14:58 | 8/13/24 15:25 | 0:26                        | 0.5        |            | 0.5        |
|                    | IDEM Update  | 8/13/24 15:56 | 8/13/24 16:26 | 0:30                        |            | 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        |
|                    | 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        |
|                    | 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        |
| <b>Fox, Daniel</b> | <b>Credits Requested:</b>  |               |               | <b>Total Credits Earned</b> | <b>0.0</b> | <b>1.0</b> | <b>1.0</b> |
|                    | Welcome & Keynote Address  | 8/13/24 7:59  | 8/13/24 9:00  | 1:00                        |            | 1.0        | 1.0        |
| <b>Foy, Joe</b>    | <b>Credits Requested: PDHs</b>   |               |               | <b>Total Credits Earned</b> | <b>1.5</b> | <b>3.0</b> | <b>4.5</b> |
|                    | Welcome & Keynote Address  | 8/13/24 7:48  | 8/13/24 9:00  | 1:11                        |            | 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        |
|                    | 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        |
|                    | 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        |
|                    | 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        |

|  |  |               |               |      |            |            |            |
|--|--|---------------|---------------|------|------------|------------|------------|
|  | 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        |
|  | 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        |
| Franz, Chris   | <b>Credits Requested:</b>  |               |               |      | <b>2.5</b> | <b>4.0</b> | <b>6.5</b> |
|  | <b>Total Credits Earned</b>  |               |               |      |            |            | <b>6.5</b> |
|  | 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        |
|  | 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        |
|  | 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        |
|  | 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        |
|  | Ethics in Engineering  | 8/14/24 13:28 | 8/14/24 14:30 | 1:02 |            | 1.0        | 1.0        |
|  | Indiana Law and Statutes   | 8/14/24 15:15 | 8/14/24 16:21 | 1:06 |            | 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        |            |
| Frauhiger, Todd  | <b>Credits Requested: PDHs</b>   |               |               |      | <b>0.0</b> | <b>3.0</b> | <b>3.0</b> |
|  | <b>Total Credits Earned</b>  |               |               |      |            |            | <b>3.0</b> |
|  | 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        |
|  | 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        |
|  | Ethics in Engineering  | 8/14/24 12:55 | 8/14/24 14:30 | 1:35 |            | 1.0        | 1.0        |
| Indiana Law and Statutes   | 8/14/24 15:07  | 8/14/24 16:21 | 1:14          |      | 1.0        | 1.0        |            |
| <b>FREESE, ALEX</b>  |  |               |               |      |            |            |            |



|  |   |                             |               |      |            |            |            |            |
|--|---|-----------------------------|---------------|------|------------|------------|------------|------------|
|  | <b>Credits Requested:</b>   | <b>Total Credits Earned</b> |               |      | <b>1.0</b> | <b>1.0</b> | <b>2.0</b> | <b>2.0</b> |
|  | 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        |
| <b>Furiak, Andrea</b>  | <b>Credits Requested:</b> Wastewater                                  | <b>Total Credits Earned</b> |               |      | <b>3.0</b> | <b>1.5</b> | <b>4.5</b> | <b>4.5</b> |
| 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        |            |
| <b>Furniss, Abbie</b>  | <b>Credits Requested:</b>   | <b>Total Credits Earned</b> |               |      | <b>1.0</b> | <b>4.5</b> | <b>5.5</b> | <b>5.5</b> |
| 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         |
| <b>Fussell, Jerry</b> |   |               |               |                             |             |            |             |
|                       | <b>Credits Requested:</b> Drinking Water  |               |               | <b>Total Credits Earned</b> | <b>11.0</b> | <b>2.5</b> | <b>13.0</b> |
|                       | 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 10:17 | 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        |
| <b>Gaff, Jeffrey</b> |  |               |               |                             |            |            |            |
|                      | <b>Credits Requested:</b> Wastewater   |               |               | <b>Total Credits Earned</b> | <b>2.5</b> | <b>0.0</b> | <b>2.5</b> |
|                      | 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        |

|                          |   |                             |               |      |            |            |            |            |
|--------------------------|---|-----------------------------|---------------|------|------------|------------|------------|------------|
| <b>Gaffin, Lance</b>     | <b>Credits Requested:</b>   | <b>Total Credits Earned</b> |               |      | <b>0.5</b> | <b>0.0</b> | <b>0.5</b> | <b>0.5</b> |
|                          | 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        |
| <b>Gaines, Scott</b>     | <b>Credits Requested:</b>   | <b>Total Credits Earned</b> |               |      | <b>0.5</b> | <b>0.0</b> | <b>0.5</b> | <b>0.5</b> |
|                          | 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        |
| <b>Gangstad, Michael</b> | <b>Credits Requested: PDHs</b>  | <b>Total Credits Earned</b> |               |      | <b>1.0</b> | <b>4.0</b> | <b>5.0</b> | <b>5.0</b> |
|                          | 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        |
| <b>Gansemer, Ryan</b>    | <b>Credits Requested: PDHs</b>  | <b>Total Credits Earned</b> |               |      | <b>1.5</b> | <b>1.0</b> | <b>2.5</b> | <b>2.5</b> |
|                          | 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        |            |            |
| <b>Gard, Jeff</b>      | <b>Credits Requested:</b>   |               |               |      | <b>Total Credits Earned</b> | <b>0.0</b> | <b>1.0</b> | <b>1.0</b> | <b>1.0</b> |
|                        | Welcome & Keynote Address   | 8/13/24 7:59  | 8/13/24 9:00  | 1:00 | 1.0                         | 1.0        | 1.0        |            |            |
| <b>Garner, Matthew</b> | <b>Credits Requested: Wastewater</b>  |               |               |      | <b>Total Credits Earned</b> | <b>4.5</b> | <b>0.0</b> | <b>4.5</b> | <b>4.5</b> |
|                        | 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        |            |            |
| <b>Games, Gregory</b>  | <b>Credits Requested: PDHs</b>  |               |               |      | <b>Total Credits Earned</b> | <b>3.0</b> | <b>1.0</b> | <b>4.0</b> | <b>4.0</b> |
|                        | 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        |
|                      | 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        |
| <b>Garvey, James</b> | <b>Credits Requested: PDHs</b>  |               | <b>Total Credits Earned</b> | <b>1.5</b> | <b>2.0</b> | <b>3.5</b> | <b>3.5</b> |
|                      | 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        |
|                      | Indiana Law and Statutes  | 8/14/24 15:21 | 8/14/24 16:21               | 1:00       |            | 1.0        | 1.0        |
| <b>Garvey, Kate</b>  | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> | <b>3.5</b> | <b>2.0</b> | <b>5.5</b> | <b>5.5</b> |
|                      | Welcome & Keynote Address   | 8/13/24 7:59  | 8/13/24 9:00                | 1:01       |            | 1.0        | 1.0        |
|                      | Workforce Development Roundtable  | 8/13/24 9:10  | 8/13/24 10:17               | 1:06       |            | 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        |            |
| <b>Gasvoda, Brad</b> | <b>Credits Requested:</b>   | <b>Total Credits Earned</b> |               |      | <b>0.5</b> | <b>0.0</b> | <b>0.5</b> | <b>0.5</b> |
|                      | Energy Efficient Retrofits of Oxidation ditches   | 8/14/24 7:52                | 8/14/24 8:25  | 0:33 | 0.5        | 0.5        | 0.5        |            |
| <b>George, Tim</b>   | <b>Credits Requested:</b>   | <b>Total Credits Earned</b> |               |      | <b>0.5</b> | <b>1.5</b> | <b>2.0</b> | <b>2.0</b> |
|                      | 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        |            |
|                      | 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        |            |
| <b>Gerber, Gale</b>  | <b>Credits Requested:</b>   | <b>Total Credits Earned</b> |               |      | <b>0.0</b> | <b>1.0</b> | <b>1.0</b> | <b>1.0</b> |
|                      | Welcome & Keynote Address   | 8/13/24 7:50                | 8/13/24 9:00  | 1:09 |            | 1.0        | 1.0        |            |
| <b>Getz, Ashley</b>  | <b>Credits Requested:</b>   | <b>Total Credits Earned</b> |               |      | <b>1.0</b> | <b>0.0</b> | <b>1.0</b> | <b>1.0</b> |
|                      | Mastering the Art of Master Planning  | 8/14/24 7:46                | 8/14/24 9:00  | 1:13 | 1.0        | 1.0        | 1.0        |            |
| <b>Gibson, Jay</b>   | <b>Credits Requested:</b>   | <b>Total Credits Earned</b> |               |      | <b>1.5</b> | <b>0.0</b> | <b>1.5</b> | <b>1.5</b> |
|                      | 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        |            |
| <b>Gibson, Lucas</b> | <b>Credits Requested:</b>   | <b>Total Credits Earned</b> |               |      | <b>0.0</b> | <b>1.0</b> | <b>1.0</b> | <b>1.0</b> |
|                      | Welcome & Keynote Address   | 8/13/24 8:09                | 8/13/24 9:00  | 0:50 |            | 1.0        | 1.0        |            |
| <b>Gill, Charles</b> | <b>Credits Requested:</b>   | <b>Total Credits Earned</b> |               |      | <b>1.5</b> | <b>3.5</b> | <b>5.0</b> | <b>5.0</b> |

|                        |  |               |               |                             |     |            |            |            |            |
|------------------------|--|---------------|---------------|-----------------------------|-----|------------|------------|------------|------------|
|                        | 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        |            |
| <b>Girdham, Baylee</b> | <b>Credits Requested: PDHs</b>   |               |               | <b>Total Credits Earned</b> |     | <b>3.5</b> | <b>4.5</b> | <b>8.0</b> | <b>8.0</b> |
|                        | 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        |
|                        | 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        |
| <b>Glessner, Bill</b>  |   |               |               |      |                             |            |            |
|                        | <b>Credits Requested:</b>   |               |               |      | <b>Total Credits Earned</b> | <b>0.5</b> | <b>1.0</b> |
|                        |   |               |               |      |                             | <b>1.5</b> | <b>1.5</b> |
|                        | 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        |
| <b>Glotzbach, Paul</b> |   |               |               |      |                             |            |            |
|                        | <b>Credits Requested:</b>   |               |               |      | <b>Total Credits Earned</b> | <b>5.0</b> | <b>1.5</b> |
|                        |   |               |               |      |                             | <b>6.5</b> | <b>6.5</b> |
|                        | 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        |
|                        | 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        |
| <b>Glover, Jeff</b> | <b>Credits Requested:</b> PDHs   |               |               | <b>Total Credits Earned</b> | <b>4.0</b> | <b>2.0</b> | <b>6.0</b> |
|                     | 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        |
| <b>Goff, Renee</b>  | <b>Credits Requested:</b> PDHs   |               |               | <b>Total Credits Earned</b> | <b>3.0</b> | <b>2.0</b> | <b>5.0</b> |

|                          |  |               |               |      |     |            |            |            |
|--------------------------|--|---------------|---------------|------|-----|------------|------------|------------|
|                          | 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 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        |
|                          | 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        |
| <b>Goldsberry, Leroy</b> |  |               |               |      |     |            |            |            |
|                          | <b>Credits Requested:</b>  |               |               |      |     | <b>5.5</b> | <b>2.5</b> | <b>8.0</b> |
|                          | <b>Total Credits Earned</b>  |               |               |      |     |            |            | <b>8.0</b> |
|                          | 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        |
|                          | Flexing Your Procurement Muscle  | 8/15/24 9:06  | 8/15/24 9:37  | 0:30 | 0.5 |            | 0.5        | 0.5        |

**Gomez, Kenneth**

| <b>Credits Requested:</b> Wastewater  |               | <b>Total Credits Earned</b> |      | <b>5.0</b> | <b>6.0</b> | <b>11.0</b> | <b>11.0</b> |
|---|---------------|-----------------------------|------|------------|------------|-------------|-------------|
| 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 10:11               | 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         |

**Gonzalez, Omar**

| <b>Credits Requested:</b> Wastewater  |               | <b>Total Credits Earned</b> |      | <b>7.5</b> | <b>2.0</b> | <b>9.5</b> | <b>9.5</b> |
|---------------------------------------|---------------|-----------------------------|------|------------|------------|------------|------------|
| Welcome & Keynote Address             | 8/13/24 7:56  | 8/13/24 9:00                | 1:03 |            | 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 13:55 | 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        |
| <b>Goodnight, Anthony</b> |  |               |               |      |            |            |            |
|                           | <b>Credits Requested:</b>  |               |               |      | <b>0.5</b> | <b>0.0</b> | <b>0.5</b> |
|                           | <b>Total Credits Earned</b>  |               |               |      | <b>0.5</b> | <b>0.0</b> | <b>0.5</b> |
|                           | North Interceptor Sewer - Danville, IN                                 | 8/14/24 10:03 | 8/14/24 10:35 | 0:32 | 0.5        | 0.5        | 0.5        |
| <b>Grabast, Alex</b>      |  |               |               |      |            |            |            |
|                           | <b>Credits Requested:</b>  |               |               |      | <b>3.5</b> | <b>0.0</b> | <b>3.5</b> |
|                           | <b>Total Credits Earned</b>  |               |               |      | <b>3.5</b> | <b>0.0</b> | <b>3.5</b> |
|                           | 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 10:33 | 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        |
| <b>Grabner, Greg</b> |   |               |                             |            |            |            |            |
|                      | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> | <b>0.0</b> | <b>1.0</b> | <b>1.0</b> | <b>1.0</b> |
|                      | Welcome & Keynote Address   | 8/13/24 7:56  | 8/13/24 9:00                | 1:03       | 1.0        | 1.0        | 1.0        |
| <b>Graham, John</b>  |   |               |                             |            |            |            |            |
|                      | <b>Credits Requested:</b> Wastewater  |               | <b>Total Credits Earned</b> | <b>7.0</b> | <b>0.0</b> | <b>7.0</b> | <b>7.0</b> |
|                      | 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        |             |             |
| <b>Graham, Tricia</b> | <b>Credits Requested:</b> PDHs   |               |               |      | <b>Total Credits Earned</b> | <b>1.5</b> | <b>2.0</b> | <b>3.5</b>  | <b>3.5</b>  |
|                       | 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         |             |
|                       |  |               |               |      |                             |            |            |             |             |
| <b>Gray, Adam</b>     | <b>Credits Requested:</b> Wastewater   |               |               |      | <b>Total Credits Earned</b> | <b>5.0</b> | <b>6.0</b> | <b>11.0</b> | <b>11.0</b> |
|                       | 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 10:11 | 1:01 |                             | 1.0        | 1.0        | 1.0         |             |
|                       | 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 13:21 | 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 14:52 | 8/13/24 15:26 | 0:34 | 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 8:27  | 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 9:28  | 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 10:35 | 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        |
| <b>Gray, Hunter</b>  | <b>Credits Requested:</b>   |               |               | <b>Total Credits Earned</b> | <b>0.0</b> | <b>0.5</b> | <b>0.5</b> |
|                      | 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        |
| <b>Green, Justin</b> | <b>Credits Requested:</b>   |               |               | <b>Total Credits Earned</b> | <b>0.5</b> | <b>0.0</b> | <b>0.5</b> |
|                      | 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        |
| <b>Green, Matt</b>   | <b>Credits Requested:</b>   |               |               | <b>Total Credits Earned</b> | <b>1.0</b> | <b>0.0</b> | <b>1.0</b> |
|                      | 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        |
|                      | 50 Years Later and SND Still Works  | 8/14/24 13:26 | 8/14/24 14:00 | 0:34                        | 0.5        | 0.5        | 0.5        |
| <b>Gress, Steven</b> | <b>Credits Requested:</b> PDHs  |               |               | <b>Total Credits Earned</b> | <b>6.0</b> | <b>0.5</b> | <b>6.5</b> |
|                      | Biosolids: Fail to Plan; Plan to Fail   | 8/13/24 11:18 | 8/13/24 11:40 | 0:21                        | 0.0        | 0.0        | 0.0        |
|                      | 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 14:26 | 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 15:59 | 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 | <b>Credits Requested: PDHs</b>   |               |               |      | <b>1.5</b> | <b>3.0</b> | <b>4.5</b> |
|               | <b>Total Credits Earned</b>  |               |               |      |            |            | <b>4.5</b> |
|               | Workforce Development Roundtable   | 8/13/24 9:10  | 8/13/24 10:11 | 1:01 |            | 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        |
|               | 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        |
|               | 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        |
|               | 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        |

|                         |   |               |               |                             |            |            |            |
|-------------------------|---|---------------|---------------|-----------------------------|------------|------------|------------|
|                         | 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        |
|                         | 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        |
| <b>Griffin, Jeffery</b> | <b>Credits Requested: Wastewater</b>  |               |               | <b>Total Credits Earned</b> | <b>5.5</b> | <b>1.5</b> | <b>7.0</b> |
|                         | 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        |
|                         | Electrical Safety for Wastewater Operators and Maintenance Personnel  | 8/15/24 7:56  | 8/15/24 8:30  | 0:34                        |            | 0.5        | 0.5        |
|                         | Emergency Preparedness and Procedures   | 8/15/24 8:32  | 8/15/24 9:10  | 0:37                        |            | 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        |
| <b>Griffith, Jimmy</b>  | <b>Credits Requested:</b>   |               |               | <b>Total Credits Earned</b> | <b>1.0</b> | <b>2.5</b> | <b>3.5</b> |
|                         | Welcome & Keynote Address   | 8/13/24 7:58  | 8/13/24 9:00  | 1:01                        |            | 1.0        | 1.0        |
|                         | Workforce Development Roundtable  | 8/13/24 9:10  | 8/13/24 10:11 | 1:01                        |            | 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        |
|                       | 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        |
| <b>Grimstad, Don</b>  |   |               |               |      |                             |            |            |
|                       | <b>Credits Requested:</b>   |               |               |      | <b>Total Credits Earned</b> | <b>5.0</b> | <b>1.0</b> |
|                       |   |               |               |      |                             | <b>6.0</b> | <b>6.0</b> |
|                       | Welcome & Keynote Address   | 8/13/24 7:56  | 8/13/24 9:00  | 1:03 |                             | 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        |
| <b>Groeneweg, Ben</b> |   |               |               |      |                             |            |            |
|                       | <b>Credits Requested:</b> Drinking Water, Wastewater  |               |               |      | <b>Total Credits Earned</b> | <b>4.0</b> | <b>1.5</b> |
|                       |   |               |               |      |                             | <b>5.5</b> | <b>5.5</b> |
|                       | 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 |
| 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 |
| 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 |
| 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 |
| Lafayette Prairie Oaks Pipeline Rehab  | 8/14/24 15:16 | 8/14/24 15:55 | 0:38 | 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 |
| 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 |

**Grossmann, Lindsay**

|  |               |               |                             |            |            |             |             |
|--|---------------|---------------|-----------------------------|------------|------------|-------------|-------------|
| <b>Credits Requested:</b> Wastewater   |               |               | <b>Total Credits Earned</b> | <b>7.0</b> | <b>5.0</b> | <b>12.0</b> | <b>12.0</b> |
| Welcome & Keynote Address  | 8/13/24 7:48  | 8/13/24 9:00  | 1:11                        |            | 1.0        | 1.0         |             |
| Workforce Development Roundtable   | 8/13/24 9:10  | 8/13/24 10:12 | 1:01                        |            | 1.0        | 1.0         |             |
| Operator Certification Update  | 8/13/24 10:40 | 8/13/24 11:07 | 0:26                        |            | 0.5        | 0.5         |             |
| Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap | 8/13/24 11:07 | 8/13/24 11:42 | 0:34                        |            | 0.5        | 0.5         |             |
| 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         |             |
| 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         |             |
| 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         |             |
| Out In The Field Not In A Book   | 8/14/24 8:00  | 8/14/24 8:56  | 0:56                        | 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         |             |
| Challenges In The Field  | 8/14/24 10:03 | 8/14/24 10:56 | 0:52                        | 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         |
|                     | 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         |
| <b>Grove, Chris</b> | <b>Credits Requested:</b>  |               | <b>Total Credits Earned</b> | <b>0.0</b>  | <b>1.0</b> | <b>1.0</b>  | <b>1.0</b>  |
|                     | Welcome & Keynote Address  | 8/13/24 7:56  | 8/13/24 9:00                | 1:03        | 1.0        | 1.0         | 1.0         |
| <b>Guerin, Matt</b> | <b>Credits Requested: Drinking Water</b>   |               | <b>Total Credits Earned</b> | <b>10.5</b> | <b>3.5</b> | <b>14.0</b> | <b>14.0</b> |
|                     | 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         |
|                     | Total Nitrogen Treatment – What is Required vs. What is Realistic  | 8/13/24 14:55 | 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 15:56 | 8/13/24 16:55               | 0:58        | 1.0        | 1.0         | 1.0         |
|                     | Out In The Field Not In A Book   | 8/14/24 7:50  | 8/14/24 8:57                | 1:06        | 1.0        | 1.0         | 1.0         |
|                     | Water Treatment Regulatory Terms & Definitions   | 8/14/24 9:24  | 8/14/24 9:59                | 0:34        | 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         |

|                         |   |               |                             |            |            |            |            |
|-------------------------|---|---------------|-----------------------------|------------|------------|------------|------------|
|                         | 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        |
|                         | 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        |
| <b>Gupta, Shreya</b>    | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> | <b>2.0</b> | <b>0.0</b> | <b>2.0</b> | <b>2.0</b> |
|                         | 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        |
| <b>Gustafson, Laura</b> | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> | <b>3.5</b> | <b>3.5</b> | <b>7.0</b> | <b>7.0</b> |
|                         | 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        |
|                         | 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        |
|                         | IDEM Update   | 8/13/24 15:58 | 8/13/24 16:26               | 0:28       |            | 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         |
|                       | 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 8:26  | 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 9:29  | 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 11:03               | 0:32       | 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         |
|                       | 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 15:49 | 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         |
| <b>Gutwein, Ethan</b> | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> | <b>2.5</b> | <b>0.5</b> | <b>3.0</b>  | <b>3.0</b>  |
|                       | 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         |
|                       | 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               | 0:36       | 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               | 0:34       | 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 15:56 | 8/14/24 16:26               | 0:29       | 0.5        | 0.5         | 0.5         |
| <b>Guyer, Chad</b>    | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> | <b>9.0</b> | <b>2.5</b> | <b>11.5</b> | <b>11.5</b> |

|                                  |   |                                |               |      |     |                             |            |            |            |
|----------------------------------|---|--------------------------------|---------------|------|-----|-----------------------------|------------|------------|------------|
| Haas, David                      | 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        |            |            |
|                                  | Haas, David   | <b>Credits Requested:</b> PDHs |               |      |     | <b>Total Credits Earned</b> | <b>1.5</b> | <b>2.0</b> | <b>3.5</b> |
| 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 10:36 | 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        |
|                       | 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        |
| <b>Haecker, Joe</b>   |  |               |               |      |            |            |            |
|                       | <b>Credits Requested: Wastewater</b>   |               |               |      | <b>6.0</b> | <b>1.0</b> | <b>7.0</b> |
|                       | <b>Total Credits Earned</b>  |               |               |      |            |            | <b>7.0</b> |
|                       | Welcome & Keynote Address  | 8/13/24 7:55  | 8/13/24 9:00  | 1:04 |            | 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        |
|                       | 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        |
| <b>Haenlein, Eric</b> |  |               |               |      |            |            |            |
|                       | <b>Credits Requested:</b>  |               |               |      | <b>1.0</b> | <b>0.0</b> | <b>1.0</b> |
|                       | <b>Total Credits Earned</b>  |               |               |      |            |            | <b>1.0</b> |
|                       | 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 15:14 | 8/14/24 15:55 | 0:41 | 0.5        | 0.5        | 0.5        |
| <b>Hale, Eugene</b>   |  |               |               |      |            |            |            |

|  |  |                                      |                             |      |            |             |             |             |
|--|--|--------------------------------------|-----------------------------|------|------------|-------------|-------------|-------------|
|  | <b>Credits Requested:</b> Wastewater   | <b>Total Credits Earned</b>          |                             |      | <b>7.5</b> | <b>2.5</b>  | <b>10.0</b> | <b>10.0</b> |
|  | 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         |
|  | <b>Hall, Bradley</b>   | <b>Credits Requested:</b> Wastewater | <b>Total Credits Earned</b> |      |            | <b>12.5</b> | <b>1.0</b>  | <b>13.5</b> |
| 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 10:36  | 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 13:30 | 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 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 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 |

|                        |  |               |               |      |                                 |     |      |      |
|------------------------|--|---------------|---------------|------|---------------------------------|-----|------|------|
|                        | Pipes, Prints and Prototypes:<br>Exploring 3D Printing Potential<br>in Wastewater Laboratories   | 8/15/24 11:02 | 8/15/24 11:55 | 0:53 | 1.0                             | 1.0 | 1.0  |      |
| <b>Hall, James</b>     | <b>Credits Requested:</b> Drinking Water   |               |               |      | <b>Total Credits Earned</b> 1.5 | 2.5 | 4.0  | 4.0  |
|                        | Unveiling the Power of<br>Regionalization: A Strategic<br>Approach for Success   | 8/14/24 10:32 | 8/14/24 11:03 | 0:30 |                                 | 0.5 | 0.5  | 0.5  |
|                        | Water and Wastewater<br>Workforce Development – Is<br>your community ready for the<br>challenge?   | 8/14/24 13:25 | 8/14/24 14:30 | 1:04 |                                 | 1.0 | 1.0  | 1.0  |
|                        | Adaptive mixing and process<br>optimization with energy<br>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<br>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<br>Comprehensive Overview of the<br>Capacity Expansion Project at<br>the Evansville East WWTP<br>Facility | 8/15/24 7:56  | 8/15/24 8:30  | 0:34 |                                 | 0.5 | 0.5  | 0.5  |
|                        | Emergency Preparedness and<br>Procedures   | 8/15/24 8:36  | 8/15/24 9:10  | 0:33 |                                 | 0.5 | 0.5  | 0.5  |
|                        | Flexing Your Procurement<br>Muscle   | 8/15/24 9:07  | 8/15/24 9:37  | 0:30 | 0.5                             |     | 0.5  | 0.5  |
| <b>Hammerle, Tyler</b> | <b>Credits Requested:</b> PDHs   |               |               |      | <b>Total Credits Earned</b> 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<br>Roundtable  | 8/13/24 9:10  | 8/13/24 10:12 | 1:01 |                                 | 1.0 | 1.0  | 1.0  |
|                        | Critical Maintenance Techniques<br>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<br>Disinfection & The Benefits to<br>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<br>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)<br>Testing Requirements for<br>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<br>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        |
|                      | 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        |
|                      | Wastewater Challenge Demonstration   | 8/14/24 16:27 | 8/14/24 16:55 | 0:27 |                             | 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        |
|                      | 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        |
| <b>Hanko, Jay</b>    |  |               |               |      |                             |            |            |
|                      | <b>Credits Requested:</b>  |               |               |      | <b>Total Credits Earned</b> | <b>1.0</b> | <b>0.0</b> |
|                      |  |               |               |      |                             | <b>1.0</b> | <b>1.0</b> |
|                      | 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        |
| <b>Hardy, Jeremy</b> |  |               |               |      |                             |            |            |
|                      | <b>Credits Requested:</b>  |               |               |      | <b>Total Credits Earned</b> | <b>2.5</b> | <b>3.0</b> |
|                      |  |               |               |      |                             | <b>5.5</b> | <b>5.5</b> |
|                      | 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        |

|                     |   |               |               |      |                             |            |            |             |             |
|---------------------|---|---------------|---------------|------|-----------------------------|------------|------------|-------------|-------------|
|                     | 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        |             |             |
|                     | 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        |             |             |
|                     | Indiana Law and Statutes  | 8/14/24 15:08 | 8/14/24 16:21 | 1:13 |                             | 1.0        | 1.0        |             |             |
| <b>Harner, Josh</b> |   |               |               |      |                             |            |            |             |             |
|                     | <b>Credits Requested:</b>   |               |               |      | <b>Total Credits Earned</b> | <b>8.5</b> | <b>2.0</b> | <b>10.5</b> | <b>10.5</b> |
|                     | 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        |             |             |
|                     | SRF Basics  | 8/13/24 15:49 | 8/13/24 16:29 | 0:40 |                             | 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        |             |             |
|                     | 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        |
|                              | 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        |
| <b>Harrison, Christopher</b> |   |               |               |      |                             |            |            |
|                              | <b>Credits Requested:</b> Wastewater  |               |               |      | <b>Total Credits Earned</b> | <b>1.5</b> | <b>1.5</b> |
|                              |   |               |               |      |                             | <b>3.0</b> | <b>3.0</b> |
|                              | 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        |
|                              | 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        |
|                              | SRF Basics  | 8/13/24 16:00 | 8/13/24 16:29 | 0:28 |                             | 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        |
|                              | 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 15:57 | 8/14/24 16:26 | 0:28 | 0.5                         | 0.5        | 0.5        |
| <b>Hartman, Ryan</b>         |   |               |               |      |                             |            |            |

| <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> |      |     | <b>2.5</b> | <b>1.0</b> | <b>3.5</b>  | <b>3.5</b>  |
|---|---------------|-----------------------------|------|-----|------------|------------|-------------|-------------|
| 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         |             |
| <b>Harvey, David</b>  |               |                             |      |     |            |            |             |             |
| <b>Credits Requested: PDHs</b>  |               | <b>Total Credits Earned</b> |      |     | <b>6.0</b> | <b>7.0</b> | <b>13.0</b> | <b>13.0</b> |
| 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 10:12               | 1:01 |     | 1.0        | 1.0        | 1.0         |             |
| 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 13:24 | 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        |            |
| <b>Hasenour, Brenton</b> | <b>Credits Requested:</b>  |               |               | <b>Total Credits Earned</b> | <b>1.0</b> | <b>0.0</b> | <b>1.0</b> | <b>1.0</b> |
|                          | 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        |            |
| <b>Hawbaker, Olivia</b>  | <b>Credits Requested: PDHs</b>   |               |               | <b>Total Credits Earned</b> | <b>1.5</b> | <b>3.0</b> | <b>4.5</b> | <b>4.5</b> |
|                          | 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:<br>How we managed multiple<br>design iterations of a 600,000<br>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<br>Your Public Education, Outreach<br>and Participation Minimum<br>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        |            |
| <b>Healy, Tim</b>       |   |                             |               |      |            |            |            |            |
|                         | <b>Credits Requested:</b> PDHs  | <b>Total Credits Earned</b> |               |      | <b>1.0</b> | <b>5.0</b> | <b>6.0</b> | <b>6.0</b> |
|                         | 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<br>and Strategies: The Indiana<br>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:<br>Case Study of Broad Ripple<br>Avenue in Indianapolis  | 8/13/24 13:27               | 8/13/24 14:00 | 0:33 | 0.5        | 0.5        | 0.5        |            |
|                         | Communication & Collaboration:<br>How we managed multiple<br>design iterations of a 600,000<br>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 –<br>What is Required vs. What is<br>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<br>Manage Water Availability<br>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 -<br>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<br>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        |            |
| <b>Henderson, David</b> |   |                             |               |      |            |            |            |            |
|                         | <b>Credits Requested:</b> Wastewater  | <b>Total Credits Earned</b> |               |      | <b>6.5</b> | <b>2.5</b> | <b>9.0</b> | <b>9.0</b> |
|                         | Welcome & Keynote Address   | 8/13/24 7:45                | 8/13/24 9:00  | 1:14 | 1.0        | 1.0        | 1.0        |            |
|                         | Biosolids: Fail to Plan; Plan to<br>Fail  | 8/13/24 10:30               | 8/13/24 11:40 | 1:09 | 1.0        | 1.0        | 1.0        |            |
|                         | PFAS Regulations Impact on the<br>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 14:02 | 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        |
| <b>Hendricks, Michael</b> | <b>Credits Requested: Wastewater</b>  |               | <b>Total Credits Earned</b> | <b>4.0</b> | <b>1.0</b> | <b>5.0</b> | <b>5.0</b> |
|                           | 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        |            |
| <b>Hendrickson, Donald</b> | <b>Credits Requested: Wastewater</b>  |               |               |      | <b>Total Credits Earned</b> | <b>6.0</b> | <b>2.0</b> | <b>8.0</b> |
|                            | Welcome & Keynote Address   | 8/13/24 7:46  | 8/13/24 9:00  | 1:13 |                             | 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        |            |
|                            | 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        |            |
|                            | 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        |            |
|                            | 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        |            |
|                            | IDEM Update   | 8/13/24 15:59 | 8/13/24 16:26 | 0:27 |                             | 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        |            |
|                            | Energy Efficient Retrofits of Oxidation ditches   | 8/14/24 7:57  | 8/14/24 8:25  | 0:28 | 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        |            |
|                            | Water Treatment Regulatory Terms & Definitions  | 8/14/24 9:32  | 8/14/24 9:59  | 0:26 | 0.5                         |            | 0.5        |            |
|                            | Challenges In The Field   | 8/14/24 10:02 | 8/14/24 11:02 | 1:00 | 1.0                         |            | 1.0        |            |
|                            | 21ST Century FOG Management   | 8/14/24 13:37 | 8/14/24 14:02 | 0:25 | 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        |            |
| <b>Hendrix, Coryn</b>      | <b>Credits Requested:</b>   |               |               |      | <b>Total Credits Earned</b> | <b>1.0</b> | <b>2.0</b> | <b>3.0</b> |
|                            | Welcome & Keynote Address   | 8/13/24 8:01  | 8/13/24 9:00  | 0:58 |                             | 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        |            |

|                        |  |               |               |      |                             |            |            |            |            |
|------------------------|--|---------------|---------------|------|-----------------------------|------------|------------|------------|------------|
|                        | 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        |            |            |
| <b>Henricksen, Bob</b> |  |               |               |      |                             |            |            |            |            |
|                        | <b>Credits Requested:</b> PDHs   |               |               |      | <b>Total Credits Earned</b> | <b>4.0</b> | <b>2.0</b> | <b>6.0</b> | <b>6.0</b> |
|                        | 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 | <b>Credits Requested:</b> PDHs   |               |               |      | <b>Total Credits Earned</b> 7.5 | 2.0 | 9.5 |
|                 | IDEM Update  | 8/13/24 16:00 | 8/13/24 16:26 | 0:25 |                                 | 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 |
|                 | Mastering the Art of Master Planning   | 8/14/24 7:56  | 8/14/24 9:00  | 1:04 | 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 |
|                 | North Interceptor Sewer - Danville, IN   | 8/14/24 10:05 | 8/14/24 10:35 | 0:30 | 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 |
|                 | 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 |
|                 | 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 |
|                 | Lafayette Prairie Oaks Pipeline Rehab  | 8/14/24 15:19 | 8/14/24 15:55 | 0:36 | 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 |
|                 | 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 |
|                 | 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 |
|                 | Informed Decision-Making for Electrical and Controls Systems   | 8/15/24 8:33  | 8/15/24 9:38  | 1:04 | 1.0                             |     | 1.0 |
|                 | Basics of pH   | 8/15/24 9:44  | 8/15/24 10:15 | 0:31 | 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 | <b>Credits Requested:</b>  |               |               |      | <b>Total Credits Earned</b> | <b>5.5</b> | <b>3.5</b> | <b>9.0</b> |
|                  | 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        |            |
|                  | 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        |            |
|                  | 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        |            |
|                  | SRF Basics   | 8/13/24 16:00 | 8/13/24 16:29 | 0:28 |                             | 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        |            |
|                  | Benefits of Big Bubble Mixing  | 8/14/24 8:26  | 8/14/24 9:00  | 0:33 | 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        |            |
|                  | North Interceptor Sewer - Danville, IN   | 8/14/24 10:04 | 8/14/24 10:35 | 0:30 | 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        |            |
|                  | 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        |            |
|                  | 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        |            |

|                       |  |               |               |      |                             |            |            |            |
|-----------------------|--|---------------|---------------|------|-----------------------------|------------|------------|------------|
|                       | 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        |
| <b>Hersha, Jeff</b>   |  |               |               |      |                             |            |            |            |
|                       | <b>Credits Requested:</b>  |               |               |      | <b>Total Credits Earned</b> | <b>0.5</b> | <b>0.0</b> | <b>0.5</b> |
|                       | 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        |
| <b>Hickey, Connor</b> |  |               |               |      |                             |            |            |            |
|                       | <b>Credits Requested:</b> PDHs   |               |               |      | <b>Total Credits Earned</b> | <b>3.0</b> | <b>3.5</b> | <b>6.5</b> |
|                       | 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        |
| <b>Hicks, Gayle</b> | <b>Credits Requested:</b>  |               | <b>Total Credits Earned</b> | <b>3.0</b> | <b>3.0</b> | <b>6.0</b> | <b>6.0</b> |
|                     | 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        |
| <b>Hicks, Keith</b> | <b>Credits Requested:</b>  |               | <b>Total Credits Earned</b> | <b>2.0</b> | <b>0.0</b> | <b>2.0</b> | <b>2.0</b> |
|                     | 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        |
| <b>Hill, Travis</b> | <b>Credits Requested:</b>  |               | <b>Total Credits Earned</b> | <b>0.0</b> | <b>1.0</b> | <b>1.0</b> | <b>1.0</b> |

|                           |  |               |               |                             |            |            |            |
|---------------------------|--|---------------|---------------|-----------------------------|------------|------------|------------|
|                           | Welcome & Keynote Address  | 8/13/24 8:00  | 8/13/24 9:00  | 1:00                        | 1.0        | 1.0        | 1.0        |
| <b>Hilt, Alex</b>         | <b>Credits Requested: PDHs</b>   |               |               |                             |            |            |            |
|                           |  |               |               | <b>Total Credits Earned</b> | <b>0.0</b> | <b>4.0</b> | <b>4.0</b> |
|                           | 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        |
| <b>Hitz-Bradley, Anna</b> | <b>Credits Requested:</b>  |               |               |                             |            |            |            |
|                           |  |               |               | <b>Total Credits Earned</b> | <b>3.0</b> | <b>2.5</b> | <b>5.5</b> |
|                           | 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        |
|                           | 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         |
| <b>Hobbs, Matt</b>  | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> | <b>3.0</b> | <b>1.0</b> | <b>4.0</b>  | <b>4.0</b>  |
|                     | 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         |
| <b>Hobson, Todd</b> | <b>Credits Requested: Wastewater</b>  |               | <b>Total Credits Earned</b> | <b>9.0</b> | <b>2.0</b> | <b>11.0</b> | <b>11.0</b> |
|                     | 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        |
|  | 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        |
| <b>Holden, Robert</b>  | <b>Credits Requested: PDHs</b>   |               |               | <b>Total Credits Earned</b> | <b>6.5</b> | <b>2.0</b> | <b>8.5</b> |
| 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        |            |
| 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        |            |
| 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        |
|                           | 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        |
|                           | 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        |
| <b>Holding, Alan</b>      |  |               |               |      |                             |            |            |
|                           | <b>Credits Requested:</b>  |               |               |      | <b>Total Credits Earned</b> | <b>0.0</b> | <b>1.0</b> |
|                           |  |               |               |      |                             | <b>1.0</b> | <b>1.0</b> |
|                           | 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        |
| <b>Hollinden, Greg E.</b> |  |               |               |      |                             |            |            |
|                           | <b>Credits Requested:</b> Drinking Water, Wastewater                           |               |               |      | <b>Total Credits Earned</b> | <b>6.0</b> | <b>0.0</b> |
|                           |  |               |               |      |                             | <b>5.5</b> | <b>5.5</b> |
|                           | 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         |
| <b>Hood, Bryan</b> |   |               |               |      |            |            |             |
|                    | <b>Credits Requested: PDHs</b>  |               |               |      | <b>7.5</b> | <b>4.0</b> | <b>11.5</b> |
|                    | <b>Total Credits Earned</b>   |               |               |      |            |            | <b>11.5</b> |
|                    | 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         |
|                    | 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         |
|                    | 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         |
|                    | 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         |
|                    | 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 9:31  | 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        |
|            | 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        |
|            | Contrasting Design Considerations: Municipal Vs Industrial WWTPs   | 8/15/24 10:53 | 8/15/24 11:25 | 0:31                        |            | 0.5        | 0.5        |
| Hood, Josh | <b>Credits Requested:</b> PDHs   |               |               | <b>Total Credits Earned</b> | <b>4.0</b> | <b>0.0</b> | <b>4.0</b> |
|            | 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 8:29  | 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         |             |
| <b>House, Jason</b>    | <b>Credits Requested:</b>   |               |               | <b>Total Credits Earned</b> | <b>0.0</b> | <b>0.5</b> | <b>0.5</b>  | <b>0.5</b>  |
|                        | Operator Certification Update   | 8/13/24 10:30 | 8/13/24 11:06 | 0:36                        |            | 0.5        | 0.5         | 0.5         |
| <b>House, Mitch</b>    | <b>Credits Requested:</b> PDHs  |               |               | <b>Total Credits Earned</b> | <b>1.0</b> | <b>0.5</b> | <b>1.5</b>  | <b>1.5</b>  |
|                        | 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         |
| <b>Howell, Patrick</b> | <b>Credits Requested:</b> Wastewater  |               |               | <b>Total Credits Earned</b> | <b>8.5</b> | <b>3.0</b> | <b>11.5</b> | <b>11.5</b> |
|                        | 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         |
|                        | 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         |
|                        | 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 14:48 | 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 15:53 | 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         |             |
| <b>Huckstep, Matt</b> | <b>Credits Requested:</b>  |               |               | <b>Total Credits Earned</b> | <b>0.0</b> | <b>1.0</b> | <b>1.0</b>  | <b>1.0</b>  |
|                       | 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         |             |
| <b>Hudson, Daniel</b> | <b>Credits Requested: Wastewater, PDHs</b>   |               |               | <b>Total Credits Earned</b> | <b>7.5</b> | <b>5.5</b> | <b>13.0</b> | <b>13.0</b> |
|                       | 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 At WWTPs                                | 8/15/24 11:30 | 8/15/24 11:55               | 0:25       | 0.5        | 0.5         | 0.5         |
| <b>Hume, Breanna</b> |  |               |                             |            |            |             |             |
|                      | <b>Credits Requested:</b> PDHs   |               | <b>Total Credits Earned</b> | <b>6.5</b> | <b>4.0</b> | <b>10.5</b> | <b>10.5</b> |
|                      | 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         |

|                             |  |               |               |                             |            |            |            |
|-----------------------------|--|---------------|---------------|-----------------------------|------------|------------|------------|
|                             | 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        |
| <b>Humerickhouse, Allen</b> | <b>Credits Requested: Wastewater</b>   |               |               | <b>Total Credits Earned</b> | <b>4.0</b> | <b>2.0</b> | <b>6.0</b> |
|                             | 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         |
|                         | 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         |
| <b>Hunsucker, Scott</b> | <b>Credits Requested: Wastewater</b>   |               |               | <b>Total Credits Earned</b> | <b>10.5</b> | <b>2.5</b> | <b>13.0</b> |
|                         | Welcome & Keynote Address  | 8/13/24 7:51  | 8/13/24 9:00  | 1:08                        |             | 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         |
|                         | 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 14:48 | 8/13/24 15:25 | 0:37                        | 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         |
|                         | Energy Efficient Retrofits of Oxidation ditches  | 8/14/24 7:49  | 8/14/24 8:25  | 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         |
|                         | 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         |

|                        |   |               |                             |            |            |            |            |
|------------------------|---|---------------|-----------------------------|------------|------------|------------|------------|
|                        | 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 14:03 | 8/14/24 14:35               | 0:32       | 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               | 0:28       | 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 9:38                | 1:05       | 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 10:10 | 8/15/24 10:46               | 0:35       | 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 11:20 | 8/15/24 11:55               | 0:35       | 0.5        | 0.5        | 0.5        |
| <b>Hunt, Weston</b>    | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> | <b>3.5</b> | <b>0.0</b> | <b>3.5</b> | <b>3.5</b> |
|                        | Energy Efficient Retrofits of Oxidation ditches                                 | 8/14/24 7:56  | 8/14/24 8:25                | 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 9:25  | 8/14/24 10:00               | 0:34       | 0.5        | 0.5        | 0.5        |
|                        | Challenges In The Field   | 8/14/24 10:07 | 8/14/24 11:02               | 0:55       | 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        |
|                        | 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        |
| <b>Husband, Bailey</b> | <b>Credits Requested: PDHs</b>  |               | <b>Total Credits Earned</b> | <b>2.0</b> | <b>0.5</b> | <b>2.5</b> | <b>2.5</b> |
|                        | 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 9:37                   | 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        |            |            |
|               | 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 | <b>Credits Requested: Wastewater</b>   |                                |               |              | <b>Total Credits Earned</b> | <b>6.0</b>                  | <b>3.0</b> | <b>9.0</b> |            |
|               | 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   | <b>Credits Requested: PDHs</b> |               |              |                             | <b>Total Credits Earned</b> | <b>2.0</b> | <b>0.0</b> | <b>2.0</b> |
|               |  | Benefits of Big Bubble Mixing  | 8/14/24 8:32  | 8/14/24 9:00 | 0:27                        | 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 10:06 | 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         |             |
| <b>Hutson, Karrie</b> | <b>Credits Requested: Wastewater</b>  |               | <b>Total Credits Earned</b> |      | <b>10.5</b> | <b>1.5</b> | <b>12.0</b> | <b>12.0</b> |
|                       | 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         |             |
|                       | 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         |             |
|                       | 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        |            |            |
|               | 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 |  |               |               |      |                             |            |            |            |            |
|               | <b>Credits Requested:</b> PDHs   |               |               |      | <b>Total Credits Earned</b> | <b>4.0</b> | <b>1.0</b> | <b>5.0</b> | <b>5.0</b> |
|               | 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         |
| <b>Huwe, Patrick</b> | <b>Credits Requested: Wastewater</b>   |               |                             |            |            |             |             |
|                      |  |               | <b>Total Credits Earned</b> | <b>5.5</b> | <b>7.0</b> | <b>12.5</b> | <b>12.5</b> |
|                      | Welcome & Keynote Address  | 8/13/24 8:06  | 8/13/24 9:00                | 0:53       |            | 1.0         | 1.0         |
|                      | Operator Certification Update  | 8/13/24 10:30 | 8/13/24 11:06               | 0:36       |            | 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         |
|                      | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks                | 8/13/24 13:30 | 8/13/24 13:57               | 0:26       |            | 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         |
|                      | 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         |
|                      | IDEM Update  | 8/13/24 15:50 | 8/13/24 16:26               | 0:36       |            | 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         |
|                      | Mastering the Art of Master Planning   | 8/14/24 8:08  | 8/14/24 9:00                | 0:52       | 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         |
|                      | 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         |
|                      | Ethics in Engineering  | 8/14/24 13:24 | 8/14/24 14:30               | 1:06       |            | 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         |
|                      | 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         |
|                      | 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         |

|              |  |               |               |      |            |            |             |
|--------------|--|---------------|---------------|------|------------|------------|-------------|
|              | 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 | <b>Credits Requested: Wastewater</b>   |               |               |      | <b>7.5</b> | <b>2.5</b> | <b>10.0</b> |
|              | Welcome & Keynote Address  | 8/13/24 7:48  | 8/13/24 9:00  | 1:11 |            | 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 Works   | 8/14/24 13:32 | 8/14/24 14:01 | 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 | 0:27 | 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         |             |
|                        | Contrasting Design Considerations: Municipal Vs Industrial WWTPs                                 | 8/15/24 11:00               | 8/15/24 11:25 | 0:25 |             | 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         |             |
| <b>Ingram, Bridget</b> |  |                             |               |      |             |            |             |             |
|                        | <b>Credits Requested: PDHs</b>   | <b>Total Credits Earned</b> |               |      | <b>11.0</b> | <b>2.5</b> | <b>13.5</b> | <b>13.5</b> |
|                        | 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         |
|                      | 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         |
| <b>Irwin, Tracey</b> | <b>Credits Requested: PDHs</b>  |               |               | <b>Total Credits Earned</b> | <b>5.0</b> | <b>5.0</b> | <b>10.0</b> |
|                      | 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         |

|                           |   |               |               |      |                             |            |            |
|---------------------------|---|---------------|---------------|------|-----------------------------|------------|------------|
| Isakson, Mike             | 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 14:26 | 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        |
|                           | 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 10:05 | 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        |
|                           | Ethics in Engineering   | 8/14/24 13:09 | 8/14/24 14:30 | 1:21 | 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        |
|                           | 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 7:51  | 8/15/24 8:30  | 0:39 | 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        |
|                           | 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 | 1:05 | 1.0                         | 1.0        | 1.0        |
|                           | Contrasting Design Considerations: Municipal Vs Industrial WWTPs  | 8/15/24 10:58 | 8/15/24 11:25 | 0:26 | 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        |
|                           | <b>Credits Requested: PDHs</b>  |               |               |      | <b>Total Credits Earned</b> | <b>2.5</b> | <b>3.0</b> |
| 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 10:12               | 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         |
| Islam, Dr. Nilufar | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> |      | <b>4.0</b> | <b>6.0</b> | <b>10.0</b> | <b>10.0</b> |
|                    | 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         |
|                    | 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         |
|                    | 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         |
|                    | SRF Basics  | 8/13/24 15:47 | 8/13/24 16:29               | 0:42 |            | 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 8:35  | 8/14/24 9:00                | 0:24 | 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         |

|                        |  |               |               |      |                             |            |            |             |             |
|------------------------|--|---------------|---------------|------|-----------------------------|------------|------------|-------------|-------------|
|                        | 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        |             |             |
|                        | 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   | 8/14/24 16:23 | 8/14/24 16:55 | 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 8:01  | 8/15/24 8:30  | 0:29 | 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        |             |             |
|                        | Optimizing Blower Filtration for Reliability, efficiency, and Value  | 8/15/24 9:06  | 8/15/24 10:15 | 1:09 | 1.0                         | 1.0        | 1.0        |             |             |
|                        | 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        |             |             |
| <b>Jackson, Camren</b> | <b>Credits Requested:</b>  |               |               |      | <b>Total Credits Earned</b> | <b>1.0</b> | <b>0.5</b> | <b>1.5</b>  | <b>1.5</b>  |
|                        | 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 9:11  | 8/15/24 9:37  | 0:26 | 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        |             |             |
| <b>JACKSON, JERRY</b>  | <b>Credits Requested: Drinking Water, Wastewater</b>   |               |               |      | <b>Total Credits Earned</b> | <b>8.0</b> | <b>2.0</b> | <b>10.0</b> | <b>10.0</b> |
|                        | Biosolids: Fail to Plan; Plan to Fail  | 8/13/24 10:34 | 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 13:31 | 8/13/24 14:00 | 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 | 0:30 | 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 | 0:29 | 0.5                         | 0.5        | 0.5        |             |             |
|                        | Out In The Field Not In A Book   | 8/14/24 8:02  | 8/14/24 8:57  | 0:54 | 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 | 0:33 | 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 |   |               |               |      |     |     |            |            |
|             | <b>Credits Requested: PDHs</b>  |               |               |      |     |     | <b>4.0</b> | <b>1.5</b> |
|             | <b>Total Credits Earned</b>   |               |               |      |     |     | <b>5.5</b> | <b>5.5</b> |
|             | 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        |
|                            | 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        |
| <b>Janakiraman, Aarthi</b> | <b>Credits Requested:</b>  |               |               | <b>Total Credits Earned</b> | <b>1.0</b> | <b>2.5</b> | <b>3.5</b> |
|                            | 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        |
|                            | 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        |
|                            | A Gen Z Perspective on the Wastewater Industry   | 8/14/24 15:21 | 8/14/24 15:55 | 0:33                        |            | 0.5        | 0.5        |
| <b>Janwari, Aquil</b>      | <b>Credits Requested:</b>  |               |               | <b>Total Credits Earned</b> | <b>0.5</b> | <b>1.0</b> | <b>1.5</b> |
|                            | 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        |
|                            | 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        |
| <b>Jarvis, Duane</b>       | <b>Credits Requested:</b>  |               |               | <b>Total Credits Earned</b> | <b>2.0</b> | <b>1.5</b> | <b>3.5</b> |

|                           |  |               |               |                             |            |            |            |            |
|---------------------------|--|---------------|---------------|-----------------------------|------------|------------|------------|------------|
|                           | 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        |            |
| <b>Jefferson, Jemesia</b> | <b>Credits Requested:</b>  |               |               | <b>Total Credits Earned</b> | <b>1.0</b> | <b>2.5</b> | <b>3.5</b> | <b>3.5</b> |
|                           | 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        |            |
| <b>Jessie, Robert</b>     | <b>Credits Requested:</b>  |               |               | <b>Total Credits Earned</b> | <b>1.0</b> | <b>0.5</b> | <b>1.5</b> | <b>1.5</b> |
|                           | 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        |            |

| Jeter, Christopher   |               |                      |      |     |     |     |     |     |
|--|---------------|----------------------|------|-----|-----|-----|-----|-----|
| Credits Requested: PDHs  |               | Total Credits Earned |      |     | 3.0 | 3.0 | 6.0 | 6.0 |
| 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 11:47        | 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 |     |
| Jia, Shiwei  |               |                      |      |     |     |     |     |     |
| Credits Requested:   |               | Total Credits 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        |
| <b>Johnson, Cole</b> | <b>Credits Requested:</b> PDHs   |               | <b>Total Credits Earned</b> | <b>1.0</b> | <b>1.5</b> | <b>2.5</b> | <b>2.5</b> |
|                      | 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        |
| <b>Johnson, Lee</b>  | <b>Credits Requested:</b>  |               | <b>Total Credits Earned</b> | <b>1.0</b> | <b>0.0</b> | <b>1.0</b> | <b>1.0</b> |
|                      | 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        |
| <b>Jones, Jasper</b> | <b>Credits Requested:</b>  |               | <b>Total Credits Earned</b> | <b>4.0</b> | <b>0.5</b> | <b>4.5</b> | <b>4.5</b> |
|                      | 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        |

|  |   |                           |               |      |                             |                             |            |            |            |
|--|---|---------------------------|---------------|------|-----------------------------|-----------------------------|------------|------------|------------|
|  | 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        |            |            |
|  | 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  | <b>Credits Requested:</b> Wastewater  |                           |               |      | <b>Total Credits Earned</b> | <b>2.0</b>                  | <b>0.0</b> | <b>2.0</b> | <b>2.0</b> |
|  | 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        |            |            |
|  | 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  | <b>Credits Requested:</b> |               |      |                             | <b>Total Credits Earned</b> | <b>3.5</b> | <b>2.5</b> | <b>6.0</b> |
| 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:<br>How we managed multiple<br>design iterations of a 600,000<br>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<br>Startup Challenges during a<br>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<br>Manage Water Availability<br>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<br>good for?  | 8/14/24 8:35  | 8/14/24 9:00  | 0:25                        | 0.5        | 0.5        | 0.5        |
|                    | North Interceptor Sewer -<br>Danville, IN   | 8/14/24 10:02 | 8/14/24 10:35 | 0:32                        | 0.5        | 0.5        | 0.5        |
|                    | Howard Roosa Sewer – The<br>Final Outcome of this Non-<br>Traditional, Flexible Approach to<br>Salvaging an Almost 100-Year-<br>Old Sewer | 8/14/24 10:28 | 8/14/24 11:05 | 0:37                        | 0.5        | 0.5        | 0.5        |
|                    | Foster Park Relief Sewer –<br>Indian Village CSO 005<br>Connection  | 8/14/24 13:33 | 8/14/24 14:00 | 0:27                        | 0.5        | 0.5        | 0.5        |
|                    | Critical Crossing: Gravity Sewer<br>under a Ditch, Railroad, and<br>State Road in Greendale,<br>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 15:16 | 8/14/24 15:18 | 0:02                        | 0.0        | 0.0        | 0.0        |
|                    | A Gen Z Perspective on the<br>Wastewater Industry   | 8/14/24 15:19 | 8/14/24 15:55 | 0:35                        | 0.5        | 0.5        | 0.5        |
| <b>Judge, John</b> |   |               |               |                             |            |            |            |
|                    | <b>Credits Requested:</b> PDHs  |               |               | <b>Total Credits Earned</b> | <b>3.5</b> | <b>1.0</b> | <b>4.5</b> |
|                    | Workforce Development<br>Roundtable   | 8/13/24 9:10  | 8/13/24 10:12 | 1:01                        | 1.0        | 1.0        | 1.0        |
|                    | Conversion of an underutilized<br>combined sewer to a storm<br>sewer  | 8/13/24 10:40 | 8/13/24 11:10 | 0:29                        | 0.5        | 0.5        | 0.5        |
|                    | In Case of Emergency: Keeping<br>Stormwater and Traffic Flowing<br>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<br>Disinfection & The Benefits to<br>Large and Small Utilities  | 8/13/24 13:27 | 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 | 0:26 | 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 |
| <b>Kaminsky, Josh</b>    | <b>Credits Requested: Total Credits Earned 1.0 0.0 1.0 1.0</b>  |               |               |      |     |     |     |
|                          | 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 |
| <b>Kangogo, Mercy</b>    | <b>Credits Requested: Total Credits Earned 1.5 0.5 2.0 2.0</b>  |               |               |      |     |     |     |
|                          | 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 |
| <b>Kassebaum, Nathan</b> | <b>Credits Requested: PDHs Total Credits Earned 3.0 1.0 4.0 4.0</b>   |               |               |      |     |     |     |
|                          | 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        |             |             |
|                          | 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        |             |             |
| <b>Kasthuri, Lenin</b>   | <b>Credits Requested: PDHs</b>  |               |               |      | <b>Total Credits Earned</b> | <b>0.5</b> | <b>1.0</b> | <b>1.5</b>  | <b>1.5</b>  |
|                          | 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         |             |
| <b>Kasuboski, Jordan</b> | <b>Credits Requested:</b>   |               |               |      | <b>Total Credits Earned</b> | <b>1.0</b> | <b>0.0</b> | <b>1.0</b>  | <b>1.0</b>  |
|                          | 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         |             |
| <b>Katter, Zachary</b>   | <b>Credits Requested: PDHs</b>  |               |               |      | <b>Total Credits Earned</b> | <b>4.5</b> | <b>6.0</b> | <b>10.5</b> | <b>10.5</b> |
|                          | 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         |             |
|                          | 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         |             |
|                          | Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures                                      | 8/13/24 14:54 | 8/13/24 15:25 | 0:31 | 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         |             |
|                          | 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 8:01  | 8/14/24 9:00  | 0:59 | 1.0                         |            | 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        |
|                       | 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        |
| <b>Keating, Josh</b>  |  |               |               |      |            |            |            |
|                       | <b>Credits Requested:</b>  |               |               |      | <b>2.5</b> | <b>0.5</b> | <b>3.0</b> |
|                       | <b>Total Credits Earned</b>  |               |               |      |            |            | <b>3.0</b> |
|                       | Ultra-Low Phosphorus Limits  | 8/15/24 8:01  | 8/15/24 8:30  | 0:29 | 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        |
|                       | 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        |
| <b>Kelleher, Jim</b>  |  |               |               |      |            |            |            |
|                       | <b>Credits Requested:</b>  |               |               |      | <b>0.5</b> | <b>0.0</b> | <b>0.5</b> |
|                       | <b>Total Credits Earned</b>  |               |               |      |            |            | <b>0.5</b> |
|                       | 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        |
| <b>Kellner, Chris</b> |  |               |               |      |            |            |            |
|                       | <b>Credits Requested:</b>  |               |               |      | <b>0.0</b> | <b>1.0</b> | <b>1.0</b> |
|                       | <b>Total Credits Earned</b>  |               |               |      |            |            | <b>1.0</b> |
|                       | 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        |
| <b>Kelly, Pat</b>     |  |               |               |      |            |            |            |
|                       | <b>Credits Requested:</b> PDHs   |               |               |      | <b>4.0</b> | <b>0.0</b> | <b>4.0</b> |
|                       | <b>Total Credits Earned</b>  |               |               |      |            |            | <b>4.0</b> |

|  |               |               |      |     |     |     |
|--|---------------|---------------|------|-----|-----|-----|
| 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

|   |               |               |                             |            |            |            |            |
|---|---------------|---------------|-----------------------------|------------|------------|------------|------------|
| <b>Credits Requested:</b> Wastewater  |               |               | <b>Total Credits Earned</b> | <b>5.5</b> | <b>3.5</b> | <b>9.0</b> | <b>9.0</b> |
| 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 | <b>Credits Requested:</b> Drinking Water, Wastewater                                   |               |               | <b>Total Credits Earned</b> | <b>9.0</b> | <b>1.0</b> | <b>10.0</b> |
|                 | 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 | <b>Credits Requested:</b> Drinking Water, Wastewater   |               |               |      | <b>Total Credits Earned</b> | <b>8.0</b> | <b>2.5</b> | <b>10.5</b> | <b>10.5</b> |
|             | 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        |
| <b>Kirklin, Pam</b>  | <b>Credits Requested: Wastewater</b>  |               |               |            |            |            |            |
|                      | <b>Total Credits Earned</b>   |               |               | <b>3.5</b> | <b>2.0</b> | <b>5.5</b> | <b>5.5</b> |
|                      | Welcome & Keynote Address   | 8/13/24 7:53  | 8/13/24 9:00  | 1:06       |            | 1.0        | 1.0        |
|                      | Workforce Development Roundtable  | 8/13/24 9:10  | 8/13/24 10:12 | 1:01       |            | 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        |
| <b>Kirwa, Sylvia</b> | <b>Credits Requested:</b>   |               |               |            |            |            |            |
|                      | <b>Total Credits Earned</b>   |               |               | <b>3.0</b> | <b>1.0</b> | <b>4.0</b> | <b>4.0</b> |
|                      | 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        |
|                      | 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        |

|                    |  |               |               |      |                             |            |            |             |             |
|--------------------|--|---------------|---------------|------|-----------------------------|------------|------------|-------------|-------------|
|                    | 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        |             |             |
| Klein, Hannah      | <b>Credits Requested:</b> PDHs   |               |               |      | <b>Total Credits Earned</b> | <b>2.0</b> | <b>4.5</b> | <b>6.5</b>  | <b>6.5</b>  |
|                    | 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        |             |             |
|                    | In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana                           | 8/13/24 11:07 | 8/13/24 11:48 | 0:40 | 0.5                         | 0.5        | 0.5        |             |             |
|                    | 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 13:59 | 8/13/24 14:30 | 0:30 | 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 15:54 | 8/13/24 16:29 | 0:35 | 0.5                         | 0.5        | 0.5        |             |             |
|                    | 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 15:16 | 8/14/24 16:22 | 1:05 | 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        |             |             |
|                    | 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 10:46 | 0:32 | 0.5                         | 0.5        | 0.5        |             |             |
| Kleinsmith, Jordan | <b>Credits Requested:</b> Wastewater   |               |               |      | <b>Total Credits Earned</b> | <b>8.5</b> | <b>3.5</b> | <b>12.0</b> | <b>12.0</b> |
|                    | 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 10:12 | 1:01 | 1.0                         | 1.0        | 1.0        |             |             |
|                    | Biosolids: Fail to Plan; Plan to Fail  | 8/13/24 10:29 | 8/13/24 11:41 | 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 | 0:33 | 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 14:26 | 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 | <b>Credits Requested:</b> PDHs  |               |               | <b>Total Credits Earned</b> | <b>9.5</b> | <b>4.5</b> | <b>14.0</b> |
|                  | 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 |



|                         |  |               |               |      |                             |            |            |            |            |
|-------------------------|--|---------------|---------------|------|-----------------------------|------------|------------|------------|------------|
|                         | 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 8:31  | 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 9:48  | 8/15/24 10:50 | 1:02 | 1.0                         | 1.0        | 1.0        |            |            |
|                         | 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        |            |            |
| <b>Knappel, Keith</b>   |  |               |               |      |                             |            |            |            |            |
|                         | <b>Credits Requested:</b> PDHs   |               |               |      | <b>Total Credits Earned</b> | <b>1.5</b> | <b>2.5</b> | <b>4.0</b> | <b>4.0</b> |
|                         | 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 10:40 | 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 11:13 | 8/13/24 11:48 | 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        |            |
|                         | 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 16:02 | 8/13/24 16:29 | 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 10:35 | 8/14/24 11:05 | 0:30 | 0.5                         |            | 0.5        | 0.5        |            |
| <b>Kolawole, Samira</b> |  |               |               |      |                             |            |            |            |            |
|                         | <b>Credits Requested:</b>  |               |               |      | <b>Total Credits Earned</b> | <b>2.0</b> | <b>2.0</b> | <b>4.0</b> | <b>4.0</b> |

|                        |   |               |               |                             |            |            |            |            |
|------------------------|---|---------------|---------------|-----------------------------|------------|------------|------------|------------|
|                        | 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        |
| <b>Konarski, Brett</b> | <b>Credits Requested: PDHs</b>  |               |               | <b>Total Credits Earned</b> | <b>1.5</b> | <b>1.0</b> | <b>2.5</b> | <b>2.5</b> |
|                        | 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        |
| <b>Kongar, Terry</b>   | <b>Credits Requested: Wastewater</b>  |               |               | <b>Total Credits Earned</b> | <b>5.5</b> | <b>1.0</b> | <b>6.5</b> | <b>6.5</b> |
|                        | 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        |            |            |
|  | 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        |            |            |
| 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        |            |            |            |
| <b>Korthals, Reggie</b>                                  | <b>Credits Requested:</b>   |               |               |      | <b>Total Credits Earned</b> | <b>0.5</b> | <b>0.5</b> | <b>1.0</b> | <b>1.0</b> |
|  | 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        |            |            |
| <b>Kosegi, Jeremy</b>                                    | <b>Credits Requested: PDHs</b>  |               |               |      | <b>Total Credits Earned</b> | <b>3.5</b> | <b>4.5</b> | <b>8.0</b> | <b>8.0</b> |
|  | 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        |
| <b>Kostielney, Andrew</b> |  |               |                             |            |            |            |            |
|                           | <b>Credits Requested:</b>  |               | <b>Total Credits Earned</b> | <b>0.0</b> | <b>1.0</b> | <b>1.0</b> | <b>1.0</b> |
|                           | Welcome & Keynote Address  | 8/13/24 8:05  | 8/13/24 9:00                | 0:54       | 1.0        | 1.0        | 1.0        |
| <b>Kramer, Daniel</b>     |  |               |                             |            |            |            |            |
|                           | <b>Credits Requested:</b> PDHs   |               | <b>Total Credits Earned</b> | <b>1.5</b> | <b>1.0</b> | <b>2.5</b> | <b>2.5</b> |
|                           | 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        |
| Krobert, Cory  | <b>Credits Requested:</b>  |                           | <b>Total Credits Earned</b> |                             | <b>2.0</b> | <b>0.0</b> | <b>2.0</b> |
|  | 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        |
| Krotke, Jeffery  | <b>Credits Requested: Wastewater</b>   |                           | <b>Total Credits Earned</b> |                             | <b>1.5</b> | <b>4.0</b> | <b>5.5</b> |
|  | Welcome & Keynote Address  | 8/13/24 8:00              | 8/13/24 9:00                | 0:59                        |            | 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        |
|  | 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        |
|  | Wastewater Challenge Demonstration   | 8/14/24 16:28             | 8/14/24 16:55               | 0:27                        |            | 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        |
|  | Emergency Preparedness and Procedures  | 8/15/24 8:30              | 8/15/24 9:10                | 0:39                        |            | 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        |
|  | Kubicki, Andy  | <b>Credits Requested:</b> |                             | <b>Total Credits Earned</b> |            | <b>1.0</b> | <b>0.5</b> |
| 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 –<br>From Concept to Demonstrated<br>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         |
| Kuhn, Abbi | <b>Credits Requested:</b>   |               |               |      | <b>6.5</b> | <b>5.0</b> | <b>11.5</b> |
|            | Welcome & Keynote Address   | 8/13/24 8:00  | 8/13/24 9:00  | 0:59 |            | 1.0        | 1.0         |
|            | Conversion of an underutilized<br>combined sewer to a storm<br>sewer  | 8/13/24 10:30 | 8/13/24 11:10 | 0:39 | 0.5        |            | 0.5         |
|            | Advancing Better Water Policy<br>and Strategies: The Indiana<br>Water Summit and Roadmap  | 8/13/24 11:09 | 8/13/24 11:42 | 0:33 |            | 0.5        | 0.5         |
|            | PFAS Regulations Impact on the<br>Future of Land Application  | 8/13/24 13:20 | 8/13/24 13:56 | 0:35 | 0.5        |            | 0.5         |
|            | Communication & Collaboration:<br>How we managed multiple<br>design iterations of a 600,000<br>storage facility in Indianapolis | 8/13/24 13:58 | 8/13/24 14:30 | 0:31 |            | 0.5        | 0.5         |
|            | Maximizing the Effectiveness of<br>Your Public Education, Outreach<br>and Participation Minimum<br>Control Measures             | 8/13/24 14:56 | 8/13/24 15:26 | 0:29 | 0.5        |            | 0.5         |
|            | SRF Basics  | 8/13/24 15:53 | 8/13/24 16:29 | 0:36 |            | 0.5        | 0.5         |
|            | The Need to Understand and<br>Manage Water Availability<br>within Basins in Indiana   | 8/13/24 16:31 | 8/13/24 16:58 | 0:27 |            | 0.5        | 0.5         |
|            | Mastering the Art of Master<br>Planning   | 8/14/24 8:02  | 8/14/24 9:00  | 0:57 | 1.0        |            | 1.0         |
|            | Water Treatment Regulatory<br>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         |
|            | Foster Park Relief Sewer –<br>Indian Village CSO 005<br>Connection  | 8/14/24 13:25 | 8/14/24 14:00 | 0:35 | 0.5        |            | 0.5         |
|            | Requirements vs. Reality -<br>Design Capacity Compared to<br>Real World Observations  | 8/14/24 14:04 | 8/14/24 14:35 | 0:31 | 0.5        |            | 0.5         |
|            | Indiana Law and Statutes  | 8/14/24 15:19 | 8/14/24 16:22 | 1:02 |            | 1.0        | 1.0         |
|            | Enhancing the absorption<br>capacity of GAC to remove PFAS<br>from water  | 8/14/24 16:24 | 8/14/24 16:55 | 0:31 | 0.5        |            | 0.5         |
|            | Informed Decision-Making for<br>Electrical and Controls Systems   | 8/15/24 8:33  | 8/15/24 9:38  | 1:04 | 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 | <b>Credits Requested:</b>   |               |               |      | <b>4.0</b> | <b>4.0</b> | <b>8.0</b> |
|              | 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        |
|              | 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        |             |             |
| <b>Ladd, Gary</b>         | <b>Credits Requested: PDHs</b>   |               |               |      | <b>Total Credits Earned</b> | <b>5.0</b> | <b>2.5</b> | <b>7.5</b>  | <b>7.5</b>  |
|                           | 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        |             |             |
| <b>Lamichhane, Gaurav</b> | <b>Credits Requested: PDHs</b>   |               |               |      | <b>Total Credits Earned</b> | <b>7.0</b> | <b>6.0</b> | <b>13.0</b> | <b>13.0</b> |
|                           | 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        |             |             |



|   |               |               |      |     |     |     |
|---|---------------|---------------|------|-----|-----|-----|
| 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 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 10:00 | 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         |
| <b>Langer, Lance</b>   |  |               |                             |            |            |             |             |
|                        | <b>Credits Requested:</b>  |               | <b>Total Credits Earned</b> | <b>0.0</b> | <b>1.0</b> | <b>1.0</b>  | <b>1.0</b>  |
|                        | 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         |
| <b>Larmon, Kenneth</b> |  |               |                             |            |            |             |             |
|                        | <b>Credits Requested: PDHs</b>   |               | <b>Total Credits Earned</b> | <b>9.0</b> | <b>4.5</b> | <b>13.5</b> | <b>13.5</b> |
|                        | 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 carbon                             | 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        |            |
|              | Emergency Preparedness and Procedures  | 8/15/24 8:30  | 8/15/24 9:10  | 0:39                        |            | 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        |            |
| Leal, Felipe | <b>Credits Requested:</b>  |               |               |                             |            |            |            |            |
|              |  |               |               | <b>Total Credits Earned</b> | <b>1.0</b> | <b>2.5</b> | <b>3.5</b> | <b>3.5</b> |
|              | 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        |            |            |
| <b>Lehrman, Chris</b>    | <b>Credits Requested:</b>  |               |               |      | <b>Total Credits Earned</b> | <b>0.5</b> | <b>0.0</b> | <b>0.5</b> | <b>0.5</b> |
|                          | 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        |            |
| <b>Lesinski, Cole</b>    | <b>Credits Requested:</b> PDHs   |               |               |      | <b>Total Credits Earned</b> | <b>4.5</b> | <b>0.0</b> | <b>4.5</b> | <b>4.5</b> |
|                          | 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 9:34  | 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        |            |
|                          | 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        |            |
| <b>Lestinsky, Jessie</b> | <b>Credits Requested:</b>  |               |               |      | <b>Total Credits Earned</b> | <b>1.0</b> | <b>0.5</b> | <b>1.5</b> | <b>1.5</b> |

|                      |   |               |                             |            |            |            |            |
|----------------------|---|---------------|-----------------------------|------------|------------|------------|------------|
|                      | 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        |
| <b>Lewin, Jason</b>  |   |               |                             |            |            |            |            |
|                      | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> | <b>0.0</b> | <b>1.0</b> | <b>1.0</b> | <b>1.0</b> |
|                      | 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        |
| <b>Lewis, George</b> |   |               |                             |            |            |            |            |
|                      | <b>Credits Requested: PDHs</b>  |               | <b>Total Credits Earned</b> | <b>2.5</b> | <b>1.5</b> | <b>4.0</b> | <b>4.0</b> |
|                      | 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        |
| <b>Liming, Josh</b>  |   |               |                             |            |            |            |            |
|                      | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> | <b>1.5</b> | <b>2.0</b> | <b>3.5</b> | <b>3.5</b> |
|                      | 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         |
| <b>Lohmoeller, Jeff</b> | <b>Credits Requested: Wastewater</b>  |               | <b>Total Credits Earned</b> | <b>9.0</b> | <b>2.0</b> | <b>11.0</b> | <b>11.0</b> |
|                         | 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 11:41               | 1:05       | 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        |            |
| <b>Lopp, Addison</b>   |   |                             |               |      |            |            |            |            |
|                        | <b>Credits Requested:</b>   | <b>Total Credits Earned</b> |               |      | <b>1.0</b> | <b>1.5</b> | <b>2.5</b> | <b>2.5</b> |
|                        | 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        |
| <b>Lord, Scott</b>     |   |                             |               |      |            |            |            |            |
|                        | <b>Credits Requested:</b> PDHs  | <b>Total Credits Earned</b> |               |      | <b>2.5</b> | <b>0.0</b> | <b>2.5</b> | <b>2.5</b> |
|                        | 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        |
| <b>Lyons, Nicholas</b> |   |                             |               |      |            |            |            |            |
|                        | <b>Credits Requested:</b> PDHs  | <b>Total Credits Earned</b> |               |      | <b>4.5</b> | <b>5.0</b> | <b>9.5</b> | <b>9.5</b> |
|                        | 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        |
|                         | 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        |
|                         | 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        |
|                         | 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        |
|                         | 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        |
|                         | 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        |
| <b>Machlan, Michael</b> |   |               |                             |            |            |            |            |
|                         | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> | <b>4.0</b> | <b>5.5</b> | <b>9.5</b> | <b>9.5</b> |
|                         | Welcome & Keynote Address   | 8/13/24 7:48  | 8/13/24 9:00                | 1:11       |            | 1.0        | 1.0        |
|                         | Workforce Development Roundtable  | 8/13/24 9:10  | 8/13/24 10:13               | 1:02       |            | 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        |
| <b>Mann, Emma</b>   | <b>Credits Requested:</b> PDHs  |               | <b>Total Credits Earned</b> | <b>1.0</b> | <b>0.0</b> | <b>1.0</b> | <b>1.0</b> |
|                     | 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        |
| <b>Martin, Jeff</b> | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> | <b>1.5</b> | <b>0.0</b> | <b>1.5</b> | <b>1.5</b> |
|                     | 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        |            |
| <b>Maupin, Travis</b> | <b>Credits Requested:</b>   | <b>Total Credits Earned</b> |               |      | <b>1.5</b> | <b>0.0</b> | <b>1.5</b> | <b>1.5</b> |
|                       | 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        |            |
| <b>McCauley, Mac</b>  | <b>Credits Requested: PDHs</b>  | <b>Total Credits Earned</b> |               |      | <b>5.0</b> | <b>4.0</b> | <b>9.0</b> | <b>9.0</b> |
|                       | Welcome & Keynote Address   | 8/13/24 8:07                | 8/13/24 9:00  | 0:52 |            | 1.0        | 1.0        |            |
|                       | Workforce Development Roundtable  | 8/13/24 9:10                | 8/13/24 10:13 | 1:02 |            | 1.0        | 1.0        |            |
|                       | Biosolids: Fail to Plan; Plan to Fail   | 8/13/24 10:30               | 8/13/24 11:41 | 1:10 | 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        |            |
|                       | 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        |            |
|                       | 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        |            |
|                       | IDEM Update   | 8/13/24 15:58               | 8/13/24 16:27 | 0:28 |            | 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        |            |
|                       | Mastering the Art of Master Planning  | 8/14/24 7:53                | 8/14/24 9:00  | 1:07 | 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        |            |
|                       | 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        |            |

|                          |   |               |               |      |                             |            |            |
|--------------------------|---|---------------|---------------|------|-----------------------------|------------|------------|
|                          | 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        |
|                          | 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        |
| <b>McCleary, Lauren</b>  |   |               |               |      |                             |            |            |
|                          | <b>Credits Requested:</b>   |               |               |      | <b>Total Credits Earned</b> | <b>4.0</b> | <b>0.5</b> |
|                          |   |               |               |      |                             | <b>4.5</b> | <b>4.5</b> |
|                          | 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        |
|                          | 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        |
|                          | 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        |
| <b>McCormack, Jordan</b> |   |               |               |      |                             |            |            |
|                          | <b>Credits Requested:</b> PDHs  |               |               |      | <b>Total Credits Earned</b> | <b>5.5</b> | <b>2.5</b> |
|                          |   |               |               |      |                             | <b>8.0</b> | <b>8.0</b> |
|                          | Welcome & Keynote Address   | 8/13/24 8:01  | 8/13/24 9:00  | 0:58 |                             | 1.0        | 1.0        |
|                          | Workforce Development Roundtable  | 8/13/24 9:10  | 8/13/24 10:13 | 1:02 |                             | 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        |
|                       | 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        |
| <b>McIntosh, Joe</b>  |   |               |               |      |                             |            |            |
|                       | <b>Credits Requested:</b> Wastewater  |               |               |      | <b>Total Credits Earned</b> | <b>1.0</b> | <b>0.0</b> |
|                       |   |               |               |      |                             | <b>1.0</b> | <b>1.0</b> |
|                       | 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        |
| <b>McIntosh, Matt</b> |   |               |               |      |                             |            |            |
|                       | <b>Credits Requested:</b>   |               |               |      | <b>Total Credits Earned</b> | <b>2.5</b> | <b>0.0</b> |
|                       |   |               |               |      |                             | <b>2.5</b> | <b>2.5</b> |
|                       | 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        |
| <b>McLaughlin, Cameron</b> | <b>Credits Requested:</b> Wastewater  |               | <b>Total Credits Earned</b> | <b>7.5</b> | <b>0.5</b> | <b>8.0</b> | <b>8.0</b> |
|                            | 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        |
|                            | 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        |
| <b>McManis Jr., Jimmie</b> | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> | <b>0.5</b> | <b>0.0</b> | <b>0.5</b> | <b>0.5</b> |
|                            | Lafayette Prairie Oaks Pipeline Rehab   | 8/14/24 15:25 | 8/14/24 15:55               | 0:30       | 0.5        | 0.5        | 0.5        |

| McWilliams, Ethan  |                      |               |      |     |     |     |     |
|--|----------------------|---------------|------|-----|-----|-----|-----|
| Credits Requested:   | Total Credits 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 |
| Medsker, Shawn   |                      |               |      |     |     |     |     |
| Credits Requested: PDHs  | Total Credits 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        |            |            |
| Meiners, Camille | <b>Credits Requested:</b> PDHs  |               |               |      | <b>Total Credits Earned</b> | <b>1.0</b> | <b>1.5</b> | <b>2.5</b> | <b>2.5</b> |
|                  | 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 | 0:27 | 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        |            |
|                  | Ethics in Engineering   | 8/14/24 13:26 | 8/14/24 14:30 | 1:04 |                             | 1.0        | 1.0        | 1.0        |            |
| Mendenhall, Cory | <b>Credits Requested:</b> Drinking Water, Wastewater  |               |               |      | <b>Total Credits Earned</b> | <b>8.0</b> | <b>1.5</b> | <b>9.5</b> | <b>9.5</b> |
|                  | 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 | 0:34 |                             | 0.5        | 0.5        | 0.5        |            |
|                  | PFAS Regulations Impact on the 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 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 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        |            |
|                  | 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        |            |
|                  | 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 14:04 | 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 16:14 | 1:00 | 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        |            |

|                                 |  |               |               |      |            |            |            |
|---------------------------------|--|---------------|---------------|------|------------|------------|------------|
|                                 | 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        |
| <b>Meredith, Charlie "Chaz"</b> |  |               |               |      |            |            |            |
|                                 | <b>Credits Requested:</b>  |               |               |      | <b>1.0</b> | <b>0.0</b> | <b>1.0</b> |
|                                 | <b>Total Credits Earned</b>  |               |               |      |            |            | <b>1.0</b> |
|                                 | 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        |
| <b>Merkle, Katherine</b>        |  |               |               |      |            |            |            |
|                                 | <b>Credits Requested: PDHs</b>   |               |               |      | <b>7.0</b> | <b>2.5</b> | <b>9.5</b> |
|                                 | <b>Total Credits Earned</b>  |               |               |      |            |            | <b>9.5</b> |
|                                 | 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        |
|                                 | 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        |
|                                 | 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        |
|                                 | 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        |
| <b>Merkle, Wes</b> | <b>Credits Requested: PDHs</b>   |               | <b>Total Credits Earned</b> | <b>6.0</b> | <b>2.0</b> | <b>8.0</b> | <b>8.0</b> |
|                    | 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 Credits 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 Credits 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 Credits 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 |
| Meyer, Veronika   |                      |               |      |     |     |     |     |
| Credits Requested: PDHs   | Total Credits 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 |

|                      |  |               |                             |            |            |            |            |
|----------------------|--|---------------|-----------------------------|------------|------------|------------|------------|
|                      | 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        |
|                      | 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        |
|                      | 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 14:03 | 8/14/24 14:30               | 0:27       | 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        |
|                      | 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        |
| <b>Miles, Mike</b>   | <b>Credits Requested:</b>  |               | <b>Total Credits Earned</b> | <b>3.0</b> | <b>1.0</b> | <b>4.0</b> | <b>4.0</b> |
|                      | 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        |
|                      | 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        |
|                      | 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        |
|                      | 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        |
|                      | 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        |
|                      | 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 9:11  | 8/15/24 9:40                | 0:28       | 0.5        | 0.5        | 0.5        |
| <b>Miller, Craig</b> | <b>Credits Requested:</b> PDHs   |               | <b>Total Credits Earned</b> | <b>1.5</b> | <b>1.0</b> | <b>2.5</b> | <b>2.5</b> |

|                      |  |               |                             |            |            |            |            |
|----------------------|--|---------------|-----------------------------|------------|------------|------------|------------|
|                      | 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        |
|                      | 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        |
|                      | 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        |
| <b>Miller, Holly</b> | <b>Credits Requested: PDHs</b>   |               | <b>Total Credits Earned</b> | <b>5.5</b> | <b>0.5</b> | <b>6.0</b> | <b>6.0</b> |
|                      | 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        |
|                      | 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        |

|               |  |               |               |      |                             |            |            |             |             |
|---------------|--|---------------|---------------|------|-----------------------------|------------|------------|-------------|-------------|
|               | 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        |             |             |
| Miller, Rick  | <b>Credits Requested:</b>  |               |               |      | <b>Total Credits Earned</b> | <b>0.0</b> | <b>0.5</b> | <b>0.5</b>  | <b>0.5</b>  |
|               | 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 | <b>Credits Requested:</b>  |               |               |      | <b>Total Credits Earned</b> | <b>7.0</b> | <b>6.0</b> | <b>13.0</b> | <b>13.0</b> |
|               | 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 | 1:03 |                             | 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        |            |
| <b>Mix, Andy</b>   | <b>Credits Requested:</b>   | <b>Total Credits Earned</b>    |                             |      | <b>2.5</b> | <b>1.0</b> | <b>3.5</b> | <b>3.5</b> |
|  | 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        |            |
|  | <b>Modlin, Chelsea</b>  | <b>Credits Requested: PDHs</b> | <b>Total Credits Earned</b> |      |            | <b>1.0</b> | <b>1.5</b> | <b>2.5</b> |
| 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  | <b>Credits Requested:</b>  |                                |               | <b>Total Credits Earned</b> | <b>2.0</b>                  | <b>5.5</b> | <b>7.5</b> | <b>7.5</b> |
|  | 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   | <b>Credits Requested:</b> PDHs |               |                             | <b>Total Credits Earned</b> | <b>1.5</b> | <b>1.0</b> | <b>2.5</b> |
| 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        |             |             |
| <b>Moore, Wayne</b>   | <b>Credits Requested:</b> PDHs   |               |               |      | <b>Total Credits Earned</b> | <b>1.0</b> | <b>0.5</b> | <b>1.5</b>  | <b>1.5</b>  |
|                       | 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         |             |
| <b>Morton, Philip</b> | <b>Credits Requested:</b> PDHs   |               |               |      | <b>Total Credits Earned</b> | <b>4.5</b> | <b>7.5</b> | <b>12.0</b> | <b>12.0</b> |
|                       | 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         |             |
| <b>Mullett, Robert</b> |   |                             |               |      |            |            |             |             |
|                        | <b>Credits Requested:</b>   | <b>Total Credits Earned</b> |               |      | <b>1.5</b> | <b>2.0</b> | <b>3.5</b>  | <b>3.5</b>  |
|                        | 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 within Basins in Indiana   | 8/13/24 16:31               | 8/13/24 16:56 | 0:25 | 0.5        | 0.5        | 0.5         |             |
| <b>Murray, Chris</b>   |   |                             |               |      |            |            |             |             |
|                        | <b>Credits Requested: Drinking Water, Wastewater</b>  | <b>Total Credits Earned</b> |               |      | <b>7.5</b> | <b>3.5</b> | <b>11.0</b> | <b>11.0</b> |
|                        | 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 10:42               | 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 | 0:27 | 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 14:01               | 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        |            |
| <b>Murray, David</b> |   |                             |               |      |            |            |            |            |
|                      | <b>Credits Requested:</b>   | <b>Total Credits Earned</b> |               |      | <b>4.0</b> | <b>0.0</b> | <b>4.0</b> | <b>4.0</b> |
|                      | 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        |            |
| <b>Murry, Wayne</b>    |  |                             |               |      |            |            |            |            |
|                        | <b>Credits Requested:</b>  | <b>Total Credits Earned</b> |               |      | <b>4.0</b> | <b>1.5</b> | <b>5.0</b> | <b>5.0</b> |
|                        | 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        |            |
|                        | 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        |            |
|                        | 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        |            |
| <b>Musgrave, Chris</b> |  |                             |               |      |            |            |            |            |
|                        | <b>Credits Requested:</b>  | <b>Total Credits Earned</b> |               |      | <b>2.5</b> | <b>0.5</b> | <b>3.0</b> | <b>3.0</b> |
|                        | 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        |
|                      | Flexing Your Procurement Muscle  | 8/15/24 9:08  | 8/15/24 9:37                | 0:29       | 0.5        | 0.5        | 0.5        |
| <b>Musser, James</b> | <b>Credits Requested: Wastewater</b>   |               |                             |            |            |            |            |
|                      |  |               | <b>Total Credits Earned</b> | <b>6.0</b> | <b>3.0</b> | <b>9.0</b> | <b>9.0</b> |
|                      | Welcome & Keynote Address  | 8/13/24 7:47  | 8/13/24 9:00                | 1:12       |            | 1.0        | 1.0        |
|                      | Operator Certification Update  | 8/13/24 10:37 | 8/13/24 11:06               | 0:29       |            | 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        |
|                      | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks                      | 8/13/24 13:26 | 8/13/24 13:57               | 0:31       |            | 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        |
|                      | 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        |
| <b>Myers, Khylei</b> | <b>Credits Requested: PDHs</b>   |               |                             |            |            |            |            |
|                      |  |               | <b>Total Credits Earned</b> | <b>1.5</b> | <b>0.0</b> | <b>1.5</b> | <b>1.5</b> |

|                       |  |               |                             |      |            |            |            |
|-----------------------|--|---------------|-----------------------------|------|------------|------------|------------|
|                       | 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        |
| <b>Napier, Mike</b>   | <b>Credits Requested:</b>  |               | <b>Total Credits Earned</b> |      | <b>0.5</b> | <b>1.0</b> | <b>1.5</b> |
|                       | 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        |
| <b>Neilson, Brian</b> | <b>Credits Requested:</b>  |               | <b>Total Credits Earned</b> |      | <b>1.0</b> | <b>1.0</b> | <b>2.0</b> |
|                       | 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        |
| <b>Nelson, Emily</b>  | <b>Credits Requested: PDHs</b>   |               | <b>Total Credits Earned</b> |      | <b>1.5</b> | <b>1.5</b> | <b>3.0</b> |
|                       | 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 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 | 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  |
| 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  |
| 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  |
| Nevill, Tyler  |               |                      |      |     |     |      |      |
| Credits Requested: Drinking Water, Wastewater  |               | Total Credits Earned |      | 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 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 | 0.5 |
| In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana               | 8/13/24 11:11 | 8/13/24 11:48 | 0:37 | 0.5 | 0.5 | 0.5 |
| 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 | 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 15:26 | 0:29 | 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 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 |
| 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 |
| 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 |
| North Interceptor Sewer - Danville, IN   | 8/14/24 10:08 | 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 10:38 | 8/14/24 11:03 | 0:25 | 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 |
| 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 |
| Indiana Law and Statutes   | 8/14/24 15:08 | 8/14/24 16:22 | 1:13 | 1.0 | 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 | 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 |

Newman, Anna

|  |  |                             |               |                             |            |            |            |            |            |            |
|--|--|-----------------------------|---------------|-----------------------------|------------|------------|------------|------------|------------|------------|
|  | <b>Credits Requested:</b> Wastewater   | <b>Total Credits Earned</b> |               |                             | <b>5.5</b> | <b>2.5</b> | <b>8.0</b> | <b>8.0</b> |            |            |
|  | 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        |            |            |
| <b>Nibarger, Brent</b>   | <b>Credits Requested:</b>  |                             |               | <b>Total Credits Earned</b> |            |            | <b>1.0</b> | <b>0.0</b> | <b>1.0</b> | <b>1.0</b> |
| 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        |            |            |            |
| <b>Nielsen, Benny</b>  | <b>Credits Requested:</b>  |                             |               | <b>Total Credits Earned</b> |            |            | <b>2.5</b> | <b>1.0</b> | <b>3.5</b> | <b>3.5</b> |
| 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        |            |            |            |



|                     |  |               |               |      |                             |            |            |            |            |
|---------------------|--|---------------|---------------|------|-----------------------------|------------|------------|------------|------------|
|                     | 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        |            |            |
| <b>Noe, Eric</b>    | <b>Credits Requested:</b>  |               |               |      | <b>Total Credits Earned</b> | <b>0.0</b> | <b>1.0</b> | <b>1.0</b> | <b>1.0</b> |
|                     | 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        |            |
| <b>Norris, Brad</b> | <b>Credits Requested:</b>  |               |               |      | <b>Total Credits Earned</b> | <b>1.0</b> | <b>2.0</b> | <b>3.0</b> | <b>3.0</b> |
|                     | Welcome & Keynote Address  | 8/13/24 7:59  | 8/13/24 9:00  | 1:01 |                             | 1.0        | 1.0        | 1.0        |            |
|                     | Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections                             | 8/14/24 9:26  | 8/14/24 10:00 | 0:33 | 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        |            |
| <b>Norton, Jill</b> | <b>Credits Requested:</b> Wastewater   |               |               |      | <b>Total Credits Earned</b> | <b>5.0</b> | <b>2.5</b> | <b>7.5</b> | <b>7.5</b> |
|                     | 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        |            |
|                     | 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 14:28 | 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        |            |
|                     | IDEM Update  | 8/13/24 15:55 | 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 16:31 | 8/13/24 16:56 | 0:25 |                             | 0.5        | 0.5        | 0.5        |            |
|                     | Water Treatment Regulatory Terms & Definitions   | 8/14/24 9:27  | 8/14/24 9:59  | 0:32 | 0.5                         |            | 0.5        | 0.5        |            |
|                     | Challenges In The Field  | 8/14/24 10:07 | 8/14/24 11:02 | 0:55 | 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         |             |
|                         | 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         |             |
| <b>Novak, Annabelle</b> |  |                             |               |      |            |            |             |             |
|                         | <b>Credits Requested:</b>  | <b>Total Credits Earned</b> |               |      | <b>3.0</b> | <b>2.0</b> | <b>5.0</b>  | <b>5.0</b>  |
|                         | 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         |             |
| <b>Nye, Mark</b>        |  |                             |               |      |            |            |             |             |
|                         | <b>Credits Requested:</b> Wastewater, PDHs   | <b>Total Credits Earned</b> |               |      | <b>6.0</b> | <b>4.0</b> | <b>10.0</b> | <b>10.0</b> |
|                         | 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 10:14 | 1:03 |                             | 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         |             |
|                             | 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         |             |
|                             | 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 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 15:53 | 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 8:26  | 0:27 | 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 9:27  | 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 10:06 | 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 | 0:35 | 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 15:18 | 8/14/24 16:22 | 1:04 |                             | 1.0         | 1.0        | 1.0         |             |
| <b>O'Connell, Morrighan</b> | <b>Credits Requested:</b>   |               |               |      | <b>Total Credits Earned</b> | <b>1.0</b>  | <b>0.0</b> | <b>1.0</b>  | <b>1.0</b>  |
|                             | 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         |             |
| <b>Oakley, Roger</b>        | <b>Credits Requested: Wastewater</b>  |               |               |      | <b>Total Credits Earned</b> | <b>11.0</b> | <b>2.0</b> | <b>13.0</b> | <b>13.0</b> |
|                             | 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 10:14 | 1:03 |                             | 1.0         | 1.0        | 1.0         |             |

|   |               |               |      |     |     |     |
|---|---------------|---------------|------|-----|-----|-----|
| Critical Maintenance Techniques<br>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<br>Disinfection & The Benefits to<br>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 –<br>From Concept to Demonstrated<br>Performance  | 8/13/24 14:03 | 8/13/24 14:28 | 0:25 | 0.5 | 0.5 | 0.5 |
| Benefits of Partnering to Reduce<br>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)<br>Testing Requirements for<br>NPDES Permits  | 8/13/24 15:55 | 8/13/24 16:55 | 1:00 | 1.0 | 1.0 | 1.0 |
| Energy Efficient Retrofits of<br>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<br>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 -<br>Danville, IN   | 8/14/24 10:01 | 8/14/24 10:35 | 0:33 | 0.5 | 0.5 | 0.5 |
| Howard Roosa Sewer – The<br>Final Outcome of this Non-<br>Traditional, Flexible Approach to<br>Salvaging an Almost 100-Year-<br>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<br>Works   | 8/14/24 13:25 | 8/14/24 14:01 | 0:36 | 0.5 | 0.5 | 0.5 |
| Requirements vs. Reality -<br>Design Capacity Compared to<br>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<br>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<br>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 -<br>Ten Gallons of Pump Station in<br>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<br>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:<br>Solutions for Variable Flow<br>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        |            |
| <b>Obernesser, Megan</b> | <b>Credits Requested:</b>  |               | <b>Total Credits Earned</b> |      | <b>1.5</b> | <b>1.5</b> | <b>3.0</b> | <b>3.0</b> |
|                          | Welcome & Keynote Address  | 8/13/24 7:55  | 8/13/24 9:00                | 1:04 | 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        |            |
| <b>Odom, Shaunacy</b>    | <b>Credits Requested: Wastewater</b>   |               | <b>Total Credits Earned</b> |      | <b>4.5</b> | <b>1.5</b> | <b>6.0</b> | <b>6.0</b> |
|                          | Welcome & Keynote Address  | 8/13/24 8:02  | 8/13/24 9:00                | 0:57 | 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        |            |
| <b>Orem, Joanna</b>      | <b>Credits Requested: Drinking Water, Wastewater</b>   |               | <b>Total Credits Earned</b> |      | <b>4.5</b> | <b>0.5</b> | <b>5.0</b> | <b>5.0</b> |
|                          | 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        |
|   | 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        |
|   | Out In The Field Not In A Book  | 8/14/24 7:52  | 8/14/24 8:57  | 1:04                        | 1.0        |            | 1.0        |
|   | Challenges In The Field   | 8/14/24 10:05 | 8/14/24 11:02 | 0:57                        | 0.5        |            | 0.5        |
|   | 21ST Century FOG Management   | 8/14/24 13:29 | 8/14/24 13:59 | 0:29                        | 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        |
|   | Sustained 60 MGD? Sure, why not!  | 8/15/24 10:13 | 8/15/24 10:46 | 0:33                        | 0.5        |            | 0.5        |
| <b>Osterman, John</b>   | <b>Credits Requested:</b>   |               |               | <b>Total Credits Earned</b> | <b>2.5</b> | <b>2.0</b> | <b>4.5</b> |
|   |   |               |               |                             |            |            |            |
| 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        |            |
| Hydraulic Modeling - What is it good for?   | 8/14/24 8:27  | 8/14/24 9:00  | 0:33          | 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        |            |
| 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        |            |
| Electrical Safety for Wastewater Operators and Maintenance Personnel              | 8/15/24 8:03  | 8/15/24 8:30  | 0:27          |                             | 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        |            |            |
| Packard, Kyle   | <b>Credits Requested:</b>  |                                |               |      | <b>Total Credits Earned</b> | <b>2.0</b>                  | <b>2.0</b> | <b>4.0</b> | <b>4.0</b> |
|   | Critical Maintenance Techniques<br>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<br>Safaris: Crafting Calculation<br>Workbooks            | 8/13/24 13:31                  | 8/13/24 13:57 | 0:25 |                             | 0.5                         | 0.5        | 0.5        |            |
|   | Grit Happens: Conquering<br>Startup Challenges during a<br>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 –<br>Indian Village CSO 005<br>Connection                   | 8/14/24 13:32                  | 8/14/24 14:00 | 0:28 | 0.5                         |                             | 0.5        | 0.5        |            |
|   | Requirements vs. Reality -<br>Design Capacity Compared to<br>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<br>Wastewater Industry                                    | 8/14/24 15:17                  | 8/14/24 15:55 | 0:38 |                             | 0.5                         | 0.5        | 0.5        |            |
|   | Page, Robert   | <b>Credits Requested:</b> PDHs |               |      |                             | <b>Total Credits Earned</b> | <b>3.5</b> | <b>0.5</b> | <b>4.0</b> |
| Critical Maintenance Techniques<br>Your Plant may be over looking   |  | 8/13/24 10:36                  | 8/13/24 11:41 | 1:05 | 1.0                         |                             | 1.0        | 1.0        |            |
| Eliminating the Spreadsheet<br>Safaris: Crafting Calculation<br>Workbooks   |  | 8/13/24 13:32                  | 8/13/24 13:57 | 0:25 |                             | 0.5                         | 0.5        | 0.5        |            |
| Adapt and Overcome:<br>Challenges of Rehabilitating a<br>90-inch Sewer  |  | 8/14/24 7:55                   | 8/14/24 8:22  | 0:26 | 0.5                         |                             | 0.5        | 0.5        |            |
| Hydraulic Modeling - What is it<br>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<br>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 -<br>Danville, IN   |  | 8/14/24 10:03                  | 8/14/24 10:35 | 0:32 | 0.5                         |                             | 0.5        | 0.5        |            |
| Howard Roosa Sewer – The<br>Final Outcome of this Non-<br>Traditional, Flexible Approach to<br>Salvaging an Almost 100-Year-<br>Old Sewer |  | 8/14/24 10:27                  | 8/14/24 11:05 | 0:38 | 0.5                         |                             | 0.5        | 0.5        |            |

| <b>Pallotta, Catherine</b>   |               |                             |      |            |            |            |            |
|--|---------------|-----------------------------|------|------------|------------|------------|------------|
| <b>Credits Requested:</b> PDHs   |               | <b>Total Credits Earned</b> |      | <b>4.0</b> | <b>4.0</b> | <b>8.0</b> | <b>8.0</b> |
| 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        |
| <b>Paredes, Ricardo</b>  |               |                             |      |            |            |            |            |
| <b>Credits Requested:</b>  |               | <b>Total Credits Earned</b> |      | <b>3.0</b> | <b>1.5</b> | <b>4.5</b> | <b>4.5</b> |
| 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         |             |
|                              | 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         |             |
|                              | Getting the Next Generation Excited about Wastewater                                   | 8/14/24 15:56               | 8/14/24 16:25 | 0:29 |            | 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         |             |
| <b>Parikshak, Dharmendra</b> |  |                             |               |      |            |            |             |             |
|                              | <b>Credits Requested:</b>  | <b>Total Credits Earned</b> |               |      | <b>2.0</b> | <b>0.0</b> | <b>2.0</b>  | <b>2.0</b>  |
|                              | 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         |             |
| <b>Parker, Vincent</b>       |  |                             |               |      |            |            |             |             |
|                              | <b>Credits Requested:</b> Wastewater, PDHs   | <b>Total Credits Earned</b> |               |      | <b>7.0</b> | <b>6.5</b> | <b>13.5</b> | <b>13.5</b> |
|                              | Welcome & Keynote Address  | 8/13/24 7:58                | 8/13/24 9:00  | 1:01 |            | 1.0        | 1.0         |             |
|                              | Workforce Development Roundtable   | 8/13/24 9:10                | 8/13/24 10:14 | 1:03 |            | 1.0        | 1.0         |             |
|                              | Operator Certification Update  | 8/13/24 10:35               | 8/13/24 11:06 | 0:31 |            | 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         |             |
|                              | 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        |
|                      | Ultra-Low Phosphorus Limits  | 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        |
| <b>Parkman, Nick</b> |  |               |               |                             |            |            |            |
|                      | <b>Credits Requested:</b> Wastewater   |               |               | <b>Total Credits Earned</b> | <b>8.0</b> | <b>0.0</b> | <b>8.0</b> |
|                      | 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        |

|              |   |               |               |      |                             |             |            |             |
|--------------|---|---------------|---------------|------|-----------------------------|-------------|------------|-------------|
|              | 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        |             |
| Parks, Chris | <b>Credits Requested: Wastewater</b>  |               |               |      |                             |             |            |             |
|              |   |               |               |      | <b>Total Credits Earned</b> | <b>12.5</b> | <b>2.0</b> | <b>14.5</b> |
|              | 14.5  |               |               |      |                             |             |            |             |
|              | Welcome & Keynote Address   | 8/13/24 8:00  | 8/13/24 9:00  | 0:59 |                             | 1.0         | 1.0        |             |
|              | Workforce Development Roundtable  | 8/13/24 9:10  | 8/13/24 10:14 | 1:03 |                             | 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 11:06 | 8/13/24 11:48 | 0:42 | 0.5                         | 0.5         | 0.5        |             |
|              | PFAS Regulations Impact on the Future of Land Application   | 8/13/24 13:25 | 8/13/24 13:56 | 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 14:03 | 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 | 0:29 | 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 7:58              | 8/14/24 8:57  | 0:59                        | 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         |             |            |
|                         | Challenges In The Field  | 8/14/24 10:01             | 8/14/24 10:57 | 0:56                        | 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         |             |            |
|                         | 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 15:50             | 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 7:48              | 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         |             |            |
|                         | 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 9:38              | 8/15/24 10:15 | 0:36                        | 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         |             |            |
|                         | 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         |             |            |
|                         | <b>Parsley, Chip</b>   | <b>Credits Requested:</b> |               |                             | <b>Total Credits Earned</b> | <b>0.0</b> | <b>1.0</b>  | <b>1.0</b>  | <b>1.0</b> |
|                         |  | Welcome & Keynote Address | 8/13/24 8:05  | 8/13/24 9:00                | 0:54                        |            | 1.0         | 1.0         | 1.0        |
| <b>Paschal, Ryan S.</b> | <b>Credits Requested: Wastewater</b>   |                           |               | <b>Total Credits Earned</b> | <b>6.5</b>                  | <b>3.5</b> | <b>10.0</b> | <b>10.0</b> |            |
|                         | Welcome & Keynote Address  | 8/13/24 8:01              | 8/13/24 9:00  | 0:58                        |                             | 1.0        | 1.0         | 1.0         |            |
|                         | 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         |            |

|                      |   |               |               |                             |            |            |            |
|----------------------|---|---------------|---------------|-----------------------------|------------|------------|------------|
|                      | 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        |
| <b>Patankar, Jui</b> | <b>Credits Requested:</b>   |               |               | <b>Total Credits Earned</b> | <b>0.5</b> | <b>1.0</b> | <b>1.5</b> |
|                      | 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        |
| <b>Patel, Hodge</b> | <b>Credits Requested:</b>  |               | <b>Total Credits Earned</b> | <b>0.0</b> | <b>1.0</b> | <b>1.0</b> | <b>1.0</b> |
|                     | 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        |
| <b>Paul, Stacey</b> | <b>Credits Requested: PDHs</b>   |               | <b>Total Credits Earned</b> | <b>1.5</b> | <b>4.0</b> | <b>5.5</b> | <b>5.5</b> |
|                     | 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 10:42 | 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        |
| <b>Payne, Brian</b> | <b>Credits Requested: PDHs</b>   |               | <b>Total Credits Earned</b> | <b>3.5</b> | <b>0.0</b> | <b>3.5</b> | <b>3.5</b> |
|                     | 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        |
| <b>Peden, Phil</b>      | <b>Credits Requested: PDHs</b>  |               | <b>Total Credits Earned</b> | <b>2.0</b> | <b>4.0</b> | <b>6.0</b> | <b>6.0</b> |
|                         | 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        |
|                         | 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        |
|                         | 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        |
|                         | Ethics in Engineering   | 8/14/24 13:07 | 8/14/24 14:30               | 1:23       |            | 1.0        | 1.0        |
|                         | Indiana Law and Statutes  | 8/14/24 15:10 | 8/14/24 16:22               | 1:12       |            | 1.0        | 1.0        |
| <b>Peterson, Donald</b> | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> | <b>1.5</b> | <b>0.5</b> | <b>2.0</b> | <b>2.0</b> |

|                        |  |               |               |      |            |            |            |
|------------------------|--|---------------|---------------|------|------------|------------|------------|
|                        | 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        |
| <b>Phillips, Chris</b> | <b>Credits Requested: Total Credits Earned</b>   |               |               |      |            |            |            |
|                        |  |               |               |      | <b>0.0</b> | <b>1.0</b> | <b>1.0</b> |
|                        | 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        |
| <b>Phillips, Will</b>  | <b>Credits Requested: Total Credits Earned</b>   |               |               |      |            |            |            |
|                        |  |               |               |      | <b>3.5</b> | <b>1.5</b> | <b>5.0</b> |
|                        | 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 11:49 | 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 15:26 | 0:25 |            | 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 10:04 | 8/14/24 10:57 | 0:52 | 1.0        | 1.0        | 1.0        |
|                        | 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 14:08 | 8/14/24 14:35 | 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        |



|                           |  |                             |               |      |            |            |             |             |
|---------------------------|--|-----------------------------|---------------|------|------------|------------|-------------|-------------|
|                           | 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         |             |
| <b>Pierce, Matthew</b>    | <b>Credits Requested:</b>  | <b>Total Credits Earned</b> |               |      | <b>1.0</b> | <b>1.0</b> | <b>2.0</b>  | <b>2.0</b>  |
|                           | 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         |             |
| <b>Pierson, Justin</b>    | <b>Credits Requested:</b>  | <b>Total Credits Earned</b> |               |      | <b>2.0</b> | <b>1.0</b> | <b>3.0</b>  | <b>3.0</b>  |
|                           | 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         |             |
| <b>Pinkerton, Patrick</b> | <b>Credits Requested:</b> Wastewater, PDHs   | <b>Total Credits Earned</b> |               |      | <b>4.5</b> | <b>7.5</b> | <b>12.0</b> | <b>12.0</b> |
|                           | 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        |            |
| Poczekay, Jamie | <b>Credits Requested:</b>  |               |               |      | <b>Total Credits Earned</b> | <b>4.5</b> | <b>1.0</b> | <b>5.5</b> |
|                 | 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 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         |
|            | 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 | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> | <b>4.0</b> | <b>6.0</b> | <b>10.0</b> | <b>10.0</b> |
|            | 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        |            |
| <b>Porter, Bill</b> |  |                             |               |      |            |            |            |            |
|                     | <b>Credits Requested:</b> PDHs   | <b>Total Credits Earned</b> |               |      | <b>1.5</b> | <b>0.5</b> | <b>2.0</b> | <b>2.0</b> |
|                     | 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        |            |
|                     | 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        |            |
| <b>Portz, James</b> |  |                             |               |      |            |            |            |            |
|                     | <b>Credits Requested:</b>  | <b>Total Credits Earned</b> |               |      | <b>4.5</b> | <b>3.0</b> | <b>7.5</b> | <b>7.5</b> |
|                     | 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

|   |               |               |      |                             |            |            |            |            |
|---|---------------|---------------|------|-----------------------------|------------|------------|------------|------------|
| <b>Credits Requested:</b>   |               |               |      | <b>Total Credits Earned</b> | <b>5.0</b> | <b>2.5</b> | <b>7.5</b> | <b>7.5</b> |
| 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        |
| <b>Powers, Jake</b>     |   |                             |               |      |            |            |            |            |
|                         | <b>Credits Requested:</b>   | <b>Total Credits Earned</b> |               |      | <b>0.0</b> | <b>0.5</b> | <b>0.5</b> | <b>0.5</b> |
|                         | Emergency Preparedness and Procedures   | 8/15/24 8:33                | 8/15/24 9:10  | 0:36 |            | 0.5        | 0.5        | 0.5        |
| <b>Prange, Lawrence</b> |   |                             |               |      |            |            |            |            |
|                         | <b>Credits Requested:</b> Wastewater  | <b>Total Credits Earned</b> |               |      | <b>3.0</b> | <b>0.0</b> | <b>3.0</b> | <b>3.0</b> |
|                         | 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        |
| <b>Pratt, Tristin</b>   |   |                             |               |      |            |            |            |            |
|                         | <b>Credits Requested:</b>   | <b>Total Credits Earned</b> |               |      | <b>2.0</b> | <b>1.0</b> | <b>3.0</b> | <b>3.0</b> |
|                         | 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        |
|                         | 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        |            |
| <b>Price, Brian</b>      | <b>Credits Requested:</b>   | <b>Total Credits Earned</b> |               |      | <b>1.5</b> | <b>0.5</b> | <b>2.0</b> | <b>2.0</b> |
|                          | 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        |            |
|                          | 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        |            |
| <b>Query, Jon</b>        | <b>Credits Requested:</b>   | <b>Total Credits Earned</b> |               |      | <b>2.0</b> | <b>3.0</b> | <b>5.0</b> | <b>5.0</b> |
|                          | 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        |            |
|                          | 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        |            |
|                          | 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        |            |
|                          | Indiana Law and Statutes  | 8/14/24 15:17               | 8/14/24 16:22 | 1:05 |            | 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        |            |
| <b>Radcliff, Richard</b> | <b>Credits Requested:</b>   | <b>Total Credits Earned</b> |               |      | <b>3.5</b> | <b>2.0</b> | <b>5.5</b> | <b>5.5</b> |
|                          | PFAS Regulations Impact on the Future of Land Application   | 8/13/24 13:29               | 8/13/24 13:56 | 0:27 | 0.5        | 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        |            |
|                          | 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                       | 8/14/24 9:29  | 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 10:34 | 8/14/24 11:03 | 0:29 |                             | 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        |            |            |
|                          | 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        |            |            |
|                          | Back to Basics: Review of UV Disinfection  | 8/15/24 8:38  | 8/15/24 9:06  | 0:27 | 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        |            |            |
| <b>Raimondi, Lindsay</b> | <b>Credits Requested:</b>  |               |               |      | <b>Total Credits Earned</b> | <b>1.5</b> | <b>0.0</b> | <b>1.5</b> | <b>1.5</b> |
|                          | Biosolids: Fail to Plan; Plan to Fail  | 8/13/24 10:45 | 8/13/24 11:41 | 0:55 | 1.0                         | 1.0        | 1.0        |            |            |
|                          | Water Treatment Regulatory Terms & Definitions   | 8/14/24 9:30  | 8/14/24 10:00 | 0:29 | 0.5                         | 0.5        | 0.5        |            |            |
| <b>Ramer, Matthew</b>    | <b>Credits Requested: Wastewater</b>   |               |               |      | <b>Total Credits Earned</b> | <b>6.0</b> | <b>1.5</b> | <b>7.5</b> | <b>7.5</b> |
|                          | Critical Maintenance Techniques Your Plant may be over looking                         | 8/13/24 10:36 | 8/13/24 11:41 | 1:05 | 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        |            |            |
|                          | Optimizing Final Clarifiers – From Concept to Demonstrated Performance                 | 8/13/24 14:03 | 8/13/24 14:29 | 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 10:05 | 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 | 0:26 |            | 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        |
|                         | Emergency Preparedness and Procedures   | 8/15/24 8:32  | 8/15/24 9:10  | 0:37 |            | 0.5        | 0.5        |
|                         | Basics of pH  | 8/15/24 9:44  | 8/15/24 10:15 | 0:31 | 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        |
| <b>Ransberger, Kris</b> |   |               |               |      |            |            |            |
|                         | <b>Credits Requested:</b>   |               |               |      | <b>4.5</b> | <b>0.5</b> | <b>5.0</b> |
|                         | <b>Total Credits Earned</b>   |               |               |      |            |            | <b>5.0</b> |
|                         | Energy Efficient Retrofits of Oxidation ditches   | 8/14/24 7:50  | 8/14/24 8:26  | 0:36 | 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        |
|                         | 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        |
|                         | Challenges In The Field   | 8/14/24 10:03 | 8/14/24 10:57 | 0:54 | 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        |
|                         | 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        |
|                         | A Gen Z Perspective on the Wastewater Industry  | 8/14/24 15:15 | 8/14/24 15:55 | 0:39 |            | 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        |
|                         | 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        |
| <b>Reed, Benjamin</b>   |   |               |               |      |            |            |            |
|                         | <b>Credits Requested: PDHs</b>  |               |               |      | <b>0.5</b> | <b>6.0</b> | <b>6.5</b> |
|                         | <b>Total Credits Earned</b>   |               |               |      |            |            | <b>6.5</b> |
|                         | Welcome & Keynote Address   | 8/13/24 8:09  | 8/13/24 9:00  | 0:50 |            | 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        |
|                         | 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        |

|              |  |               |               |                             |             |            |             |
|--------------|--|---------------|---------------|-----------------------------|-------------|------------|-------------|
|              | 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 | <b>Credits Requested:</b> Drinking Water, Wastewater   |               |               | <b>Total Credits Earned</b> | <b>11.0</b> | <b>1.0</b> | <b>12.0</b> |
|              | 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        |            |
| <b>Reeves, Calvin</b>    | <b>Credits Requested:</b>  |               | <b>Total Credits Earned</b> |      | <b>1.5</b> | <b>0.0</b> | <b>1.5</b> | <b>1.5</b> |
|                          | 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        |            |
| <b>Retherford, Brook</b> | <b>Credits Requested:</b>  |               | <b>Total Credits Earned</b> |      | <b>0.5</b> | <b>0.0</b> | <b>0.5</b> | <b>0.5</b> |
|                          | 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        |            |
| <b>Rexing, John</b>      | <b>Credits Requested:</b>  |               | <b>Total Credits Earned</b> |      | <b>2.0</b> | <b>3.0</b> | <b>5.0</b> | <b>5.0</b> |
|                          | 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 9:32  | 8/14/24 10:00               | 0:27 | 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 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        |
|                          | 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 15:08 | 8/14/24 16:22               | 1:13 |            | 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         |             |
| <b>Rickard, Amanda</b> | <b>Credits Requested:</b> PDHs  | <b>Total Credits Earned</b> |               |      | <b>1.5</b> | <b>4.0</b> | <b>5.5</b>  | <b>5.5</b>  |
|                        | 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         |             |
|                        | IDEM Update   | 8/13/24 15:53               | 8/13/24 16:27 | 0:33 |            | 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         |             |
|                        | Ethics in Engineering   | 8/14/24 13:34               | 8/14/24 14:30 | 0:56 |            | 1.0        | 1.0         |             |
|                        | Indiana Law and Statutes  | 8/14/24 15:18               | 8/14/24 16:22 | 1:04 |            | 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         |             |
|                        | 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         |             |
| <b>Rigdon, John</b>    | <b>Credits Requested:</b> Wastewater  | <b>Total Credits Earned</b> |               |      | <b>2.0</b> | <b>0.5</b> | <b>2.5</b>  | <b>2.5</b>  |
|                        | 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 8:36                | 8/15/24 9:01  | 0:25 |            | 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         |             |
| <b>Riggs, Monique</b>  | <b>Credits Requested:</b>   | <b>Total Credits Earned</b> |               |      | <b>0.0</b> | <b>1.0</b> | <b>1.0</b>  | <b>1.0</b>  |
|                        | Workforce Development Roundtable  | 8/13/24 9:10                | 8/13/24 10:15 | 1:04 |            | 1.0        | 1.0         |             |
| <b>Riley, Andrew</b>   | <b>Credits Requested:</b> Wastewater  | <b>Total Credits Earned</b> |               |      | <b>9.0</b> | <b>2.5</b> | <b>11.5</b> | <b>11.5</b> |

|   |               |               |      |     |     |     |
|---|---------------|---------------|------|-----|-----|-----|
| 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 |

Risner, Dan

|  |  |                                |                             |      |            |            |            |            |
|--|--|--------------------------------|-----------------------------|------|------------|------------|------------|------------|
|  | <b>Credits Requested:</b> Wastewater   | <b>Total Credits Earned</b>    |                             |      | <b>3.5</b> | <b>3.0</b> | <b>6.5</b> | <b>6.5</b> |
|  | 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        |
|  | <b>Robarge, Andrew</b>   | <b>Credits Requested:</b> PDHs | <b>Total Credits Earned</b> |      |            | <b>2.5</b> | <b>5.0</b> | <b>7.5</b> |
| 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         |
| <b>Robertson, Anthony</b> |   |               |               |      |                             |             |             |
|                           | <b>Credits Requested:</b> Wastewater  |               |               |      | <b>Total Credits Earned</b> | <b>12.5</b> | <b>0.0</b>  |
|                           |   |               |               |      |                             | <b>12.5</b> | <b>12.5</b> |
|                           | 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        |
| <b>Robertson, Brad</b>   |  |               |               |      |            |            |            |
|                          | <b>Credits Requested:</b>  |               |               |      | <b>0.5</b> | <b>0.0</b> | <b>0.5</b> |
|                          | <b>Total Credits Earned</b>  |               |               |      |            |            | <b>0.5</b> |
|                          | 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        |
| <b>Robertson, Kellie</b> |  |               |               |      |            |            |            |
|                          | <b>Credits Requested:</b>  |               |               |      | <b>0.0</b> | <b>1.0</b> | <b>1.0</b> |
|                          | <b>Total Credits Earned</b>  |               |               |      |            |            | <b>1.0</b> |
|                          | Welcome & Keynote Address  | 8/13/24 8:00  | 8/13/24 9:00  | 0:59 |            | 1.0        | 1.0        |
| <b>Robertson, Sam</b>    |  |               |               |      |            |            |            |
|                          | <b>Credits Requested:</b>  |               |               |      | <b>2.5</b> | <b>2.0</b> | <b>4.5</b> |
|                          | <b>Total Credits Earned</b>  |               |               |      |            |            | <b>4.5</b> |
|                          | 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        |
|                          | 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        |



|                          |   |               |                             |      |            |            |             |             |
|--------------------------|---|---------------|-----------------------------|------|------------|------------|-------------|-------------|
|                          | 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         |             |
|                          | 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         |             |
|                          | 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         |             |
| <b>Robinson, Trey</b>    | <b>Credits Requested: Wastewater</b>  |               | <b>Total Credits Earned</b> |      | <b>1.5</b> | <b>0.0</b> | <b>1.5</b>  | <b>1.5</b>  |
|                          | 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         |             |
| <b>Rodgers, Tom</b>      | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> |      | <b>0.0</b> | <b>1.0</b> | <b>1.0</b>  | <b>1.0</b>  |
|                          | Welcome & Keynote Address   | 8/13/24 7:57  | 8/13/24 9:00                | 1:03 | 1.0        | 1.0        | 1.0         |             |
| <b>Rodriguez, Brandi</b> | <b>Credits Requested: PDHs</b>  |               | <b>Total Credits Earned</b> |      | <b>6.5</b> | <b>4.5</b> | <b>11.0</b> | <b>11.0</b> |
|                          | 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         |             |
|                          | 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         |             |

|                      |  |                           |               |                             |                             |            |            |            |
|----------------------|--|---------------------------|---------------|-----------------------------|-----------------------------|------------|------------|------------|
|                      | 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        |
|                      | SRF Basics   | 8/13/24 15:53             | 8/13/24 16:29 | 0:36                        |                             | 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        |
|                      | 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        |
|                      | 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 15:22             | 8/14/24 15:55 | 0:33                        | 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 16:29             | 8/14/24 16:55 | 0:25                        | 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        |
|                      | 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 9:07              | 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 9:44              | 8/15/24 10:15 | 0:30                        | 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 10:56             | 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        |
|                      | <b>Rogers, Deen</b>  | <b>Credits Requested:</b> |               |                             | <b>Total Credits Earned</b> | <b>0.0</b> | <b>1.0</b> | <b>1.0</b> |
|                      | Welcome & Keynote Address  | 8/13/24 8:00              | 8/13/24 9:00  | 0:59                        |                             | 1.0        | 1.0        | 1.0        |
| <b>Rohner, Aaron</b> | <b>Credits Requested:</b> PDHs   |                           |               | <b>Total Credits Earned</b> | <b>2.5</b>                  | <b>0.0</b> | <b>2.5</b> | <b>2.5</b> |

|                        |   |               |                             |      |            |            |            |
|------------------------|---|---------------|-----------------------------|------|------------|------------|------------|
|                        | 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        |
| <b>Romanucci, Izzy</b> |   |               |                             |      |            |            |            |
|                        | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> |      | <b>2.0</b> | <b>0.0</b> | <b>2.0</b> |
|                        | 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        |
| <b>Romanyk, Joseph</b> |   |               |                             |      |            |            |            |
|                        | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> |      | <b>2.5</b> | <b>3.0</b> | <b>5.5</b> |
|                        | Welcome & Keynote Address   | 8/13/24 8:05  | 8/13/24 9:00                | 0:54 |            | 1.0        | 1.0        |
|                        | Workforce Development Roundtable  | 8/13/24 9:10  | 8/13/24 10:15               | 1:04 |            | 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        |
|                        | 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        |
|                        | 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 | <b>Credits Requested:</b> Wastewater  |               |               |      | <b>Total Credits Earned</b> | <b>6.0</b> | <b>5.5</b> | <b>11.5</b> | <b>11.5</b> |
|            | 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        |
| <b>Roper, Ralph</b>    | <b>Credits Requested:</b>  |               | <b>Total Credits Earned</b> | <b>5.0</b> | <b>2.0</b> | <b>7.0</b> | <b>7.0</b> |
|                        | Biosolids: Fail to Plan; Plan to Fail  | 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        |
| <b>Roschyk, Jeremy</b> | <b>Credits Requested:</b>  |               | <b>Total Credits Earned</b> | <b>4.0</b> | <b>0.5</b> | <b>4.0</b> | <b>4.0</b> |
|                        | 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        |
|                           | 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        |
|                           | 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        |
| <b>Rosenow, Anastasia</b> |  |               |               |      |                             |            |            |
|                           | <b>Credits Requested:</b>  |               |               |      | <b>Total Credits Earned</b> | <b>7.0</b> | <b>0.5</b> |
|                           |  |               |               |      |                             | <b>7.5</b> | <b>7.5</b> |
|                           | 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        |
|                           | Optimizing Final Clarifiers – From Concept to Demonstrated Performance                                 | 8/13/24 14:01 | 8/13/24 14:29 | 0:28 | 0.5                         | 0.5        | 0.5        |
|                           | Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits                                   | 8/13/24 15:58 | 8/13/24 16:55 | 0:56 | 1.0                         | 1.0        | 1.0        |
|                           | 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        |
|                           | Water Treatment Regulatory Terms & Definitions   | 8/14/24 9:28  | 8/14/24 10:00 | 0:31 | 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 13:27 | 8/14/24 14:00 | 0:32 | 0.5                         | 0.5        | 0.5        |
|                           | Tips for Labs that you may not know  | 8/15/24 7:58  | 8/15/24 8:30  | 0:31 | 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        |

|                                |   |               |                             |            |            |            |            |
|--------------------------------|---|---------------|-----------------------------|------------|------------|------------|------------|
|                                | 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        |
| <b>Roskowski, Brian</b>        | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> | <b>1.5</b> | <b>0.0</b> | <b>1.5</b> | <b>1.5</b> |
|                                | 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        |
| <b>Roudebush, Robert "Bob"</b> | <b>Credits Requested: Wastewater</b>  |               | <b>Total Credits Earned</b> | <b>5.0</b> | <b>2.0</b> | <b>7.0</b> | <b>7.0</b> |
|                                | 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        |
|                                | 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        |
|                                | 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        |
|                                | 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        |
|                                | Flexing Your Procurement Muscle   | 8/15/24 9:08  | 8/15/24 9:38                | 0:29       | 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:<br>Exploring 3D Printing Potential<br>in Wastewater Laboratories  | 8/15/24 10:57 | 8/15/24 11:55 | 0:58 | 1.0                         | 1.0        | 1.0        |             |             |
| <b>Russell, Shane</b>  | <b>Credits Requested:</b> Drinking Water, Wastewater  |               |               |      | <b>Total Credits Earned</b> | <b>0.0</b> | <b>1.0</b> | <b>1.0</b>  | <b>1.0</b>  |
|                        | Getting the Next Generation<br>Excited about Wastewater   | 8/14/24 15:57 | 8/14/24 16:25 | 0:27 |                             | 0.5        | 0.5        | 0.5         |             |
|                        | Wastewater Challenge<br>Demonstration   | 8/14/24 16:28 | 8/14/24 16:55 | 0:27 |                             | 0.5        | 0.5        | 0.5         |             |
| <b>Ruston, Gary</b>    | <b>Credits Requested:</b> PDHs  |               |               |      | <b>Total Credits Earned</b> | <b>4.0</b> | <b>1.5</b> | <b>5.5</b>  | <b>5.5</b>  |
|                        | PFAS Regulations Impact on the<br>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 –<br>From Concept to Demonstrated<br>Performance  | 8/13/24 14:03 | 8/13/24 14:29 | 0:26 | 0.5                         |            | 0.5        | 0.5         |             |
|                        | Grit Happens: Conquering<br>Startup Challenges during a<br>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<br>Systems – The Neglected Plant<br>Process  | 8/14/24 9:26  | 8/14/24 10:00 | 0:33 | 0.5                         |            | 0.5        | 0.5         |             |
|                        | Lafayette Prairie Oaks Pipeline<br>Rehab  | 8/14/24 15:16 | 8/14/24 15:55 | 0:39 | 0.5                         |            | 0.5        | 0.5         |             |
|                        | Wastewater Challenge<br>Demonstration   | 8/14/24 16:30 | 8/14/24 16:55 | 0:24 |                             | 0.5        | 0.5        | 0.5         |             |
|                        | Keeping Your Clarifiers Happy:<br>Solutions for Variable Flow<br>Challenges   | 8/15/24 9:44  | 8/15/24 10:15 | 0:30 | 0.5                         |            | 0.5        | 0.5         |             |
|                        | Keeping pace with current<br>dynamic state of UV<br>disinfection. An overview of<br>different style UV systems, and<br>what are the drivers when<br>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<br>Total Nitrogen Limits  | 8/15/24 11:30 | 8/15/24 11:55 | 0:25 | 0.5                         |            | 0.5        | 0.5         |             |
| <b>Saavedra, Karen</b> | <b>Credits Requested:</b> PDHs  |               |               |      | <b>Total Credits Earned</b> | <b>7.5</b> | <b>3.0</b> | <b>10.5</b> | <b>10.5</b> |
|                        | 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<br>combined sewer to a storm<br>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        |             |             |
| <b>Sahm, Brian</b>    |   |               |               |      |                             |            |            |             |             |
|                       | <b>Credits Requested:</b>   |               |               |      | <b>Total Credits Earned</b> | <b>1.5</b> | <b>0.0</b> | <b>1.0</b>  | <b>1.0</b>  |
|                       | 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        |             |             |
| <b>Sailor, Dustin</b> |   |               |               |      |                             |            |            |             |             |
|                       | <b>Credits Requested: PDHs</b>  |               |               |      | <b>Total Credits Earned</b> | <b>3.5</b> | <b>8.0</b> | <b>11.5</b> | <b>11.5</b> |
|                       | 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         |
| <b>Sajjad, Shaiza</b> |  |               |               |                             |            |            |             |             |
|                       | <b>Credits Requested:</b> PDHs   |               |               | <b>Total Credits Earned</b> | <b>0.5</b> | <b>0.5</b> | <b>1.0</b>  | <b>1.0</b>  |
|                       | 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         |
| <b>Samuelson, Amy</b> |  |               |               |                             |            |            |             |             |
|                       | <b>Credits Requested:</b>  |               |               | <b>Total Credits Earned</b> | <b>8.5</b> | <b>3.5</b> | <b>12.0</b> | <b>12.0</b> |
|                       | 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        |
| <b>Sanford, Jordan</b>  | <b>Credits Requested:</b>  |               | <b>Total Credits Earned</b> | <b>0.0</b> | <b>0.5</b> | <b>0.5</b> | <b>0.5</b> |
|                         | 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        |
| <b>Sanzone, Carleen</b> | <b>Credits Requested:</b>  |               | <b>Total Credits Earned</b> | <b>5.5</b> | <b>2.5</b> | <b>8.0</b> | <b>8.0</b> |
|                         | 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 11:43 | 0:35                        |                             | 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 16:27 | 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 16:57 | 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 9:22                         | 8/14/24 10:00 | 0:37                        | 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 13:16                        | 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 16:57 | 0:36                        | 0.5                         |            | 0.5        | 0.5        |
|                          | <b>SATTISON, TODD</b>  | <b>Credits Requested: Wastewater</b> |               |                             | <b>Total Credits Earned</b> | <b>3.0</b> | <b>0.0</b> | <b>3.0</b> |
|                          | 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        |
|                          | 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 14:01                        | 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 15:49                        | 8/14/24 16:26 | 0:36                        | 0.5                         |            | 0.5        | 0.5        |
| <b>Savick, Kimberlee</b> | <b>Credits Requested:</b>  |                                      |               | <b>Total Credits Earned</b> | <b>1.0</b>                  | <b>0.5</b> | <b>1.5</b> | <b>1.5</b> |
|                          | Challenges In The Field  | 8/14/24 10:05                        | 8/14/24 10:57 | 0:51                        | 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         |             |
| Sawyer, Christie            | <b>Credits Requested: Wastewater</b>   |               |               | <b>Total Credits Earned</b> | <b>10.5</b> | <b>3.5</b> | <b>14.0</b> | <b>14.0</b> |
|                             | 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 10:34 | 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 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         |
| <b>Sawyer, George</b> | <b>Credits Requested: Wastewater</b>   |               | <b>Total Credits Earned</b> | <b>10.0</b> | <b>3.5</b> | <b>13.5</b> | <b>13.5</b> |
|                       | 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        |            |            |
| <b>Sawyer, Ronnie</b> |  |               |               |      |                             |            |            |            |            |
|                       | <b>Credits Requested: Wastewater</b>   |               |               |      | <b>Total Credits Earned</b> | <b>3.5</b> | <b>2.0</b> | <b>5.5</b> | <b>5.5</b> |
|                       | 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        |            |
| <b>Scales, Andy</b>   |  |               |               |      |                             |            |            |            |            |
|                       | <b>Credits Requested:</b>  |               |               |      | <b>Total Credits Earned</b> | <b>0.5</b> | <b>0.5</b> | <b>1.0</b> | <b>1.0</b> |
|                       | 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         |
| <b>Schaeffer, Niche</b>   | <b>Credits Requested: PDHs</b>   |               |               |                             |            |            |             |
|                           |  |               |               | <b>Total Credits Earned</b> | <b>4.0</b> | <b>0.0</b> | <b>4.0</b>  |
|                           | 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         |
| <b>Schelling, Natalie</b> | <b>Credits Requested: PDHs</b>   |               |               |                             |            |            |             |
|                           |  |               |               | <b>Total Credits Earned</b> | <b>6.0</b> | <b>7.0</b> | <b>13.0</b> |
|                           | 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 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 14:57 | 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  | 1:02 | 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        |            |            |
| 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 13:26                  | 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        |            |            |
| 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 15:56                  | 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 16:29                  | 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        |            |            |
| 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 | 1:12 | 1.0                         | 1.0        | 1.0        |            |            |
| <b>Schilling, Cherylynn</b>  | <b>Credits Requested: PDHs</b> |               |      | <b>Total Credits Earned</b> | <b>1.0</b> | <b>0.0</b> | <b>1.0</b> | <b>1.0</b> |

|                        |  |               |               |      |                             |            |            |
|------------------------|--|---------------|---------------|------|-----------------------------|------------|------------|
|                        | 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        |
| <b>Schmid, Thomas</b>  |  |               |               |      |                             |            |            |
|                        | <b>Credits Requested:</b> PDHs   |               |               |      | <b>Total Credits Earned</b> | <b>1.0</b> | <b>1.0</b> |
|                        |  |               |               |      |                             | <b>2.0</b> | <b>2.0</b> |
|                        | 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 13:30 | 8/13/24 14:01 | 0:30 |                             | 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        |
|                        | 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        |
| <b>Schmitt, Jeremy</b> |  |               |               |      |                             |            |            |
|                        | <b>Credits Requested:</b> PDHs   |               |               |      | <b>Total Credits Earned</b> | <b>6.0</b> | <b>3.5</b> |
|                        |  |               |               |      |                             | <b>9.5</b> | <b>9.5</b> |
|                        | Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap                                     | 8/13/24 11:18 | 8/13/24 11:44 | 0:25 |                             | 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 14:05 | 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 15:00 | 8/13/24 15:27 | 0:26 | 0.5                         | 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 community?  | 8/14/24 9:28  | 8/14/24 10:30 | 1:01 |                             | 1.0        | 1.0        |
|                        | Unveiling the Power of Regionalization: A Strategic Approach for Success   | 8/14/24 10:31 | 8/14/24 11:04 | 0:33 |                             | 0.5        | 0.5        |
|                        | 21ST Century FOG Management  | 8/14/24 13:28 | 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         |
|                 | 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         |
|                 | 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 | <b>Credits Requested: Wastewater, PDHs</b>   |               |               | <b>Total Credits Earned</b> | <b>7.0</b> | <b>4.0</b> | <b>11.0</b> |
|                 | 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         |
|                 | 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         |
|                 | 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 Regionalization: A Strategic Approach for Success                       | 8/14/24 10:34 | 8/14/24 11:04 | 0:29                        |            | 0.5        | 0.5         |

|                      |  |               |               |      |                             |            |            |            |            |
|----------------------|--|---------------|---------------|------|-----------------------------|------------|------------|------------|------------|
|                      | 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        |            |            |
|                      | Getting the Next Generation Excited about Wastewater                           | 8/14/24 15:58 | 8/14/24 16:25 | 0:26 |                             | 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        |            |            |
|                      | Contrasting Design Considerations: Municipal Vs Industrial WWTPs               | 8/15/24 10:57 | 8/15/24 11:25 | 0:27 |                             | 0.5        | 0.5        |            |            |
| <b>Schutte, Matt</b> | <b>Credits Requested:</b>  |               |               |      | <b>Total Credits Earned</b> | <b>1.0</b> | <b>1.5</b> | <b>2.5</b> | <b>2.5</b> |
|                      | 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        |            |
| <b>Scott, Ian</b>    | <b>Credits Requested:</b> PDHs   |               |               |      | <b>Total Credits Earned</b> | <b>3.5</b> | <b>0.5</b> | <b>4.0</b> | <b>4.0</b> |
|                      | 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 8:26  | 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        |
| <b>Selig, Joshua</b>   | <b>Credits Requested:</b> PDHs  |               | <b>Total Credits Earned</b> | <b>1.0</b> | <b>0.0</b> | <b>1.0</b> | <b>1.0</b> |
|                        | 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        |
| <b>Selking, Lauren</b> | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> | <b>1.0</b> | <b>0.0</b> | <b>1.0</b> | <b>1.0</b> |
|                        | Fail  | 8/13/24 10:45 | 8/13/24 11:41               | 0:56       | 1.0        | 1.0        | 1.0        |
| <b>Serowka, Edward</b> | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> | <b>2.0</b> | <b>1.5</b> | <b>3.5</b> | <b>3.5</b> |
|                        | 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         |
| <b>Shane, Serena</b> | <b>Credits Requested:</b>  |               |                             |            |            |             |             |
|                      |  |               | <b>Total Credits Earned</b> | <b>7.0</b> | <b>4.0</b> | <b>11.0</b> | <b>11.0</b> |
|                      | 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         |
| <b>Sharpe, Alex</b>  | <b>Credits Requested:</b>  |               |                             |            |            |             |             |
|                      |  |               | <b>Total Credits Earned</b> | <b>2.0</b> | <b>0.0</b> | <b>2.0</b>  | <b>2.0</b>  |
|                      | 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         |
| <b>Sheehan, Alexis</b> | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> | <b>3.5</b> | <b>2.0</b> | <b>5.5</b>  | <b>5.5</b>  |
|                        | Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis  | 8/13/24 13:27 | 8/13/24 14:01               | 0:33       | 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         |
| <b>Shelton, Lewis</b>  | <b>Credits Requested:</b> Drinking Water, Wastewater  |               | <b>Total Credits Earned</b> | <b>8.0</b> | <b>4.5</b> | <b>12.5</b> | <b>12.5</b> |
|                        | 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 10:36 | 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 |
| 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 |
| Energy Efficient Retrofits of Oxidation ditches   | 8/14/24 7:55  | 8/14/24 8:26  | 0:30 | 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| A Gen Z Perspective on the Wastewater Industry  | 8/14/24 15:18 | 8/14/24 15:55 | 0:36 |     | 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 |
| Leading Change  | 8/14/24 16:28 | 8/14/24 16:58 | 0:29 |     | 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 |
| IWEA WASTEWATER LABORATORY ANALYST CERTIFICATION  | 8/15/24 8:41  | 8/15/24 9:01  | 0:19 |     | 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 |
| 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 |

|              |   |               |               |      |            |            |             |
|--------------|---|---------------|---------------|------|------------|------------|-------------|
|              | 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:<br>Exploring 3D Printing Potential<br>in Wastewater Laboratories          | 8/15/24 11:01 | 8/15/24 11:55 | 0:53 | 1.0        | 1.0        | 1.0         |
| Shields, Jim | <b>Credits Requested:</b> PDHs  |               |               |      | <b>8.0</b> | <b>5.5</b> | <b>13.5</b> |
|              | <b>Total Credits Earned</b>   |               |               |      |            |            | <b>13.5</b> |
|              | Welcome & Keynote Address   | 8/13/24 8:05  | 8/13/24 9:00  | 0:54 |            | 1.0        | 1.0         |
|              | Workforce Development<br>Roundtable   | 8/13/24 9:10  | 8/13/24 10:15 | 1:04 |            | 1.0        | 1.0         |
|              | Biosolids: Fail to Plan; Plan to<br>Fail  | 8/13/24 10:37 | 8/13/24 11:41 | 1:03 | 1.0        |            | 1.0         |
|              | Peracetic Acid for Wastewater<br>Disinfection & The Benefits to<br>Large and Small Utilities            | 8/13/24 13:31 | 8/13/24 13:59 | 0:28 | 0.5        |            | 0.5         |
|              | Optimizing Final Clarifiers –<br>From Concept to Demonstrated<br>Performance                            | 8/13/24 14:04 | 8/13/24 14:30 | 0:25 | 0.5        |            | 0.5         |
|              | Grit Happens: Conquering<br>Startup Challenges during a<br>WWTP Upgrade                                 | 8/13/24 15:00 | 8/13/24 15:28 | 0:27 |            | 0.5        | 0.5         |
|              | SRF Basics  | 8/13/24 15:56 | 8/13/24 16:29 | 0:33 |            | 0.5        | 0.5         |
|              | Forecasting Urban Water<br>Escherichia coli Contamination<br>Using Machine Learning Models              | 8/13/24 16:27 | 8/13/24 17:00 | 0:33 |            | 0.5        | 0.5         |
|              | Mastering the Art of Master<br>Planning   | 8/14/24 7:59  | 8/14/24 9:00  | 1:01 | 1.0        |            | 1.0         |
|              | Rate inequity: are your residents<br>subsidizing the growth in your<br>community?                       | 8/14/24 9:30  | 8/14/24 10:30 | 0:59 |            | 1.0        | 1.0         |
|              | Unveiling the Power of<br>Regionalization: A Strategic<br>Approach for Success                          | 8/14/24 10:31 | 8/14/24 11:04 | 0:32 |            | 0.5        | 0.5         |
|              | 50 Years Later and SND Still<br>Works   | 8/14/24 13:31 | 8/14/24 14:02 | 0:30 | 0.5        |            | 0.5         |
|              | Critical Crossing: Gravity Sewer<br>under a Ditch, Railroad, and<br>State Road in Greendale,<br>Indiana | 8/14/24 14:05 | 8/14/24 14:30 | 0:25 | 0.5        |            | 0.5         |
|              | Lafayette Prairie Oaks Pipeline<br>Rehab  | 8/14/24 15:17 | 8/14/24 15:55 | 0:38 | 0.5        |            | 0.5         |
|              | Use of Pipe Storage System for<br>Sustainable CSO Reduction   | 8/14/24 15:49 | 8/14/24 16:26 | 0:36 | 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        |            |
| <b>Shook, David</b>   | <b>Credits Requested:</b>  |               |               | <b>Total Credits Earned</b> | <b>1.5</b> | <b>0.5</b> | <b>2.0</b> | <b>2.0</b> |
|                       | 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        |            |
|                       | 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        |            |
|                       | 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        |            |
|                       | <b>Credits Requested:</b>  |               |               | <b>Total Credits Earned</b> | <b>0.5</b> | <b>0.0</b> | <b>0.5</b> | <b>0.5</b> |
| <b>Shoulders, Ben</b> | 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        |            |
|                       | <b>Credits Requested:</b> Drinking Water, Wastewater   |               |               | <b>Total Credits Earned</b> | <b>5.5</b> | <b>3.0</b> | <b>8.5</b> | <b>8.5</b> |
| <b>Shrader, Robin</b> | 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 10:15 | 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 13:59 | 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         |
| Shroyer, Macon | <b>Credits Requested: Wastewater</b>  |               |               | <b>Total Credits Earned</b> | <b>7.5</b> | <b>4.0</b> | <b>11.5</b> |
|                | 11.5  |               |               |                             |            |            |             |
|                | Welcome & Keynote Address   | 8/13/24 7:46  | 8/13/24 9:00  | 1:13                        | 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 11:07 | 8/13/24 11:43 | 0:35                        | 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 | 0:35                        | 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 14:59 | 8/13/24 15:27 | 0:27                        | 0.5        | 0.5        | 0.5         |
|                | Out In The Field Not In A Book  | 8/14/24 7:55  | 8/14/24 8:57  | 1:02                        | 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        |            |
|              | 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 | <b>Credits Requested:</b>  | <b>Total Credits Earned</b> |               |      | <b>2.0</b> | <b>4.0</b> | <b>6.0</b> | <b>6.0</b> |
|              | 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:<br>How we managed multiple<br>design iterations of a 600,000<br>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<br>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<br>Manage Water Availability<br>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<br>Planning   | 8/14/24 8:11                   | 8/14/24 9:00  | 0:49                        | 0.5        | 0.5        | 0.5        |
|  | Rate inequity: are your residents<br>subsidizing the growth in your<br>community?   | 8/14/24 9:29                   | 8/14/24 10:30 | 1:00                        | 1.0        | 1.0        | 1.0        |
|  | Unveiling the Power of<br>Regionalization: A Strategic<br>Approach for Success  | 8/14/24 10:34                  | 8/14/24 11:04 | 0:29                        | 0.5        | 0.5        | 0.5        |
|  | <b>Siedlecki, Kevin</b>   | <b>Credits Requested: PDHs</b> |               | <b>Total Credits Earned</b> | <b>2.5</b> | <b>3.0</b> | <b>5.5</b> |
| Conversion of an underutilized<br>combined sewer to a storm<br>sewer                     | 8/13/24 10:35   | 8/13/24 11:10                  | 0:34          | 0.5                         | 0.5        | 0.5        |            |
| Advancing Better Water Policy<br>and Strategies: The Indiana<br>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:<br>Case Study of Broad Ripple<br>Avenue in Indianapolis       | 8/13/24 13:32   | 8/13/24 14:01                  | 0:28          | 0.5                         | 0.5        | 0.5        |            |
| Regional Stormwater Detention<br>Basins – Treating urban runoff<br>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<br>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:<br>Challenges of Rehabilitating a<br>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<br>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<br>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 | <b>Credits Requested:</b>  |               |               |      | <b>Total Credits Earned</b> | <b>1.0</b> | <b>0.0</b> | <b>1.0</b>  | <b>1.0</b>  |
|                 | 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         |             |
| Skirvin, Brett  | <b>Credits Requested:</b> Wastewater   |               |               |      | <b>Total Credits Earned</b> | <b>9.5</b> | <b>3.5</b> | <b>13.0</b> | <b>13.0</b> |
|                 | 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 10:35 | 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         |             |

|                     |  |               |               |      |                             |            |            |            |
|---------------------|--|---------------|---------------|------|-----------------------------|------------|------------|------------|
|                     | 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 15:52 | 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        |            |
|                     | 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        |            |
|                     | 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 9:08  | 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        |            |
|                     | 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        |            |
|                     | 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        |            |
| <b>Slocum, Mike</b> | <b>Credits Requested: PDHs</b>   |               |               |      | <b>Total Credits Earned</b> | <b>0.0</b> | <b>0.5</b> | <b>0.5</b> |
|                     | 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        |            |
| <b>Smart, Steve</b> | <b>Credits Requested:</b>  |               |               |      | <b>Total Credits Earned</b> | <b>1.5</b> | <b>1.0</b> | <b>2.5</b> |
|                     | Welcome & Keynote Address  | 8/13/24 8:05  | 8/13/24 9:00  | 0:54 |                             | 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        |            |
|                     | North Interceptor Sewer - Danville, IN   | 8/14/24 10:03 | 8/14/24 10:35 | 0:31 | 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        |            |
| <b>Smith, Eric</b>  |  |               |               |      |                             |            |            |            |



|                    |   |                             |               |      |            |            |            |            |
|--------------------|---|-----------------------------|---------------|------|------------|------------|------------|------------|
|                    | <b>Credits Requested:</b>   | <b>Total Credits Earned</b> |               |      | <b>4.0</b> | <b>1.0</b> | <b>5.0</b> | <b>5.0</b> |
|                    | 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        |
| <b>Smith, Katy</b> | <b>Credits Requested:</b>   | <b>Total Credits Earned</b> |               |      | <b>2.0</b> | <b>0.5</b> | <b>2.5</b> | <b>2.5</b> |
|                    | 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        |

**Smith, Kenneth**

| <b>Credits Requested:</b> Drinking Water, Wastewater   | <b>Total Credits Earned</b> |               |      | <b>7.5</b> | <b>1.0</b> | <b>8.5</b> | <b>8.5</b> |
|--|-----------------------------|---------------|------|------------|------------|------------|------------|
| Welcome & Keynote Address  | 8/13/24 7:56                | 8/13/24 9:00  | 1:03 |            | 1.0        | 1.0        | 1.0        |
| Critical Maintenance Techniques<br>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<br>Disinfection & The Benefits to<br>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 –<br>From Concept to Demonstrated<br>Performance                 | 8/13/24 14:02               | 8/13/24 14:30 | 0:27 | 0.5        |            | 0.5        | 0.5        |
| Benefits of Partnering to Reduce<br>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)<br>Testing Requirements for<br>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<br>Works  | 8/14/24 13:25               | 8/14/24 14:02 | 0:37 | 0.5        |            | 0.5        | 0.5        |
| Requirements vs. Reality -<br>Design Capacity Compared to<br>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<br>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<br>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 -<br>Ten Gallons of Pump Station in<br>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<br>Scum   | 8/15/24 9:07                | 8/15/24 9:40  | 0:32 | 0.5        |            | 0.5        | 0.5        |
| Keeping Your Clarifiers Happy:<br>Solutions for Variable Flow<br>Challenges                  | 8/15/24 9:37                | 8/15/24 10:15 | 0:37 | 0.5        |            | 0.5        | 0.5        |
| Sustained 60 MGD? Sure, why<br>not!  | 8/15/24 10:11               | 8/15/24 10:47 | 0:35 | 0.5        |            | 0.5        | 0.5        |

**Smith, Kevin**

| <b>Credits Requested:</b>  | <b>Total Credits Earned</b> |               |      | <b>2.5</b> | <b>4.5</b> | <b>7.0</b> | <b>7.0</b> |
|--|-----------------------------|---------------|------|------------|------------|------------|------------|
| 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<br>Systems – The Neglected Plant<br>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<br>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 | <b>Credits Requested: Drinking Water, Wastewater</b>                                    |               |               |      |             |            |             |             |
|                 | <b>Total Credits Earned</b>   |               |               |      | <b>10.0</b> | <b>2.0</b> | <b>12.0</b> | <b>12.0</b> |
|                 | 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 10:15 | 1:04 | 1.0         | 1.0        | 1.0         |             |
|                 | Biosolids: Fail to Plan; Plan to Fail   | 8/13/24 10:38 | 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 13:25 | 8/13/24 13:55 | 0:30 | 0.5         | 0.5        | 0.5         |             |
|                 | Optimizing Final Clarifiers – From Concept to Demonstrated Performance                  | 8/13/24 14:02 | 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 14:56 | 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 15:54 | 8/13/24 16:55 | 1:01 | 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 8:25  | 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 9:32  | 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 Muscle  | 8/15/24 9:07  | 8/15/24 9:38                | 0:31       | 0.5        | 0.5        | 0.5        |
| <b>Smith, Nicholas</b> | <b>Credits Requested:</b> Wastewater   |               | <b>Total Credits Earned</b> | <b>7.5</b> | <b>1.0</b> | <b>8.5</b> | <b>8.5</b> |
|                        | 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 13:23 | 8/13/24 13:55               | 0:32       | 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        |
|                        | 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        |
|                        | WWTP Non-Potable Water Systems – The Neglected Plant Process                                   | 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 10:03 | 8/14/24 11:00               | 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 14:03 | 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        |            |            |
| <b>Smith, Sharita</b> |  |               |               |      |                             |            |            |            |            |
|                       | <b>Credits Requested:</b> Wastewater   |               |               |      | <b>Total Credits Earned</b> | <b>7.0</b> | <b>2.5</b> | <b>9.5</b> | <b>9.5</b> |
|                       | 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        |            |
| <b>Smitley, Amy</b>    | <b>Credits Requested:</b>  | <b>Total Credits Earned</b> |               |      | <b>2.5</b> | <b>1.0</b> | <b>3.5</b> | <b>3.5</b> |
|                        | 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        |            |
| <b>Snyder, Mike</b>    | <b>Credits Requested:</b>  | <b>Total Credits Earned</b> |               |      | <b>0.0</b> | <b>1.0</b> | <b>1.0</b> | <b>1.0</b> |
|                        | Welcome & Keynote Address  | 8/13/24 7:51                | 8/13/24 9:00  | 1:08 | 1.0        | 1.0        | 1.0        |            |
| <b>Solis, Andy</b>     | <b>Credits Requested:</b>  | <b>Total Credits Earned</b> |               |      | <b>0.0</b> | <b>1.0</b> | <b>1.0</b> | <b>1.0</b> |
|                        | Welcome & Keynote Address  | 8/13/24 8:10                | 8/13/24 9:00  | 0:50 | 1.0        | 1.0        | 1.0        |            |
| <b>Soller, Michael</b> | <b>Credits Requested: PDHs</b>   | <b>Total Credits Earned</b> |               |      | <b>2.0</b> | <b>2.5</b> | <b>4.5</b> | <b>4.5</b> |
|                        | 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   | 8/13/24 15:58 | 8/13/24 16:29               | 0:30 | 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        |
|  | 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        |
|  | 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        |
| <b>South, Gerald</b>   | <b>Credits Requested: PDHs</b>   |               | <b>Total Credits Earned</b> |      | <b>5.5</b> | <b>3.5</b> | <b>9.0</b> |
| 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 11:14  | 8/13/24 11:49 | 0:35                        | 0.5  | 0.5        | 0.5        |            |
| 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 | 0:28                        | 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 16:27 | 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        |            |
| 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 | 0:29                        | 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        |            |

|  |               |               |      |     |     |     |     |
|--|---------------|---------------|------|-----|-----|-----|-----|
| 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**

| <b>Credits Requested:</b> PDHs   |               |               |      | <b>Total Credits Earned</b> | <b>1.5</b> | <b>4.0</b> | <b>5.5</b> | <b>5.5</b> |
|--|---------------|---------------|------|-----------------------------|------------|------------|------------|------------|
| 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 Safely in Indianapolis, Indiana               | 8/13/24 11:09 | 8/13/24 11:49 | 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 14:01 | 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        |            |
| 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        |            |
| 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        |
| Spieth, Adam   | <b>Credits Requested: PDHs</b>  |               |               |      | <b>4.5</b> | <b>5.0</b> | <b>9.5</b> |
|  | Welcome & Keynote Address   | 8/13/24 7:46  | 8/13/24 9:00  | 1:13 |            | 1.0        | 1.0        |
|  | Workforce Development Roundtable  | 8/13/24 9:10  | 8/13/24 10:15 | 1:04 |            | 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        |
|  | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks   | 8/13/24 13:23 | 8/13/24 13:54 | 0:30 |            | 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        |
|  | SRF Basics  | 8/13/24 15:56 | 8/13/24 16:29 | 0:33 |            | 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        |
|  | Mastering the Art of Master Planning  | 8/14/24 7:58  | 8/14/24 9:00  | 1:01 | 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        |
|  | North Interceptor Sewer - Danville, IN  | 8/14/24 10:06 | 8/14/24 10:35 | 0:29 | 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        |
|  | 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        |
|  | 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        |
|  | A Gen Z Perspective on the Wastewater Industry  | 8/14/24 15:15 | 8/14/24 15:55 | 0:39 |            | 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        |            |

|                          |   |               |                             |            |            |             |             |
|--------------------------|---|---------------|-----------------------------|------------|------------|-------------|-------------|
|                          | 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         |
| <b>Sporleder, Joshua</b> | <b>Credits Requested: Wastewater</b>  |               |                             |            |            |             |             |
|                          |   |               | <b>Total Credits Earned</b> | <b>8.5</b> | <b>2.0</b> | <b>10.5</b> | <b>10.5</b> |
|                          | Welcome & Keynote Address   | 8/13/24 7:56  | 8/13/24 9:00                | 1:03       | 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         |             |
| <b>Staman, Payton</b>   |  |                             |               |      |            |            |             |             |
|                         | <b>Credits Requested:</b>  | <b>Total Credits Earned</b> |               |      | <b>1.5</b> | <b>2.0</b> | <b>3.5</b>  | <b>3.5</b>  |
|                         | 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         |
| <b>Stanford, Steven</b> |  |                             |               |      |            |            |             |             |
|                         | <b>Credits Requested: Wastewater</b>   | <b>Total Credits Earned</b> |               |      | <b>9.0</b> | <b>4.0</b> | <b>13.0</b> | <b>13.0</b> |
|                         | 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         |

|  |                           |               |      |                             |            |            |            |
|--|---------------------------|---------------|------|-----------------------------|------------|------------|------------|
| 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  | 0:29 | 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        |            |
| Water Treatment Regulatory Terms & Definitions   | 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 10:04             | 8/14/24 10:57 | 0:53 | 1.0                         | 1.0        | 1.0        |            |
| 21ST Century FOG Management  | 8/14/24 13:22             | 8/14/24 14:00 | 0:37 | 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 16:15 | 0:58 | 1.0                         | 1.0        | 1.0        |            |
| 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        |            |
| 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        |            |
| 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        |            |
| Primary Clarifier Sludge and Scum  | 8/15/24 9:09              | 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 | 1:05 |                             | 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        |            |
| 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        |            |
| <b>Starr, Matt</b>   | <b>Credits Requested:</b> |               |      | <b>Total Credits Earned</b> | <b>2.5</b> | <b>0.0</b> | <b>2.5</b> |
| Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer   | 8/14/24 7:54              | 8/14/24 8:23  | 0:28 | 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 9:26  | 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 | <b>Credits Requested: PDHs</b>  |               |               |      | <b>5.5</b> | <b>4.0</b> | <b>9.5</b> |
|               | <b>Total Credits Earned</b>   |               |               |      |            |            | <b>9.5</b> |
|               | 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        |
|               | Indiana Law and Statutes  | 8/14/24 15:13 | 8/14/24 16:22 | 1:08 |            | 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        |
|               | 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 | <b>Credits Requested: Wastewater</b>   |               |               |      | <b>8.5</b> | <b>4.0</b> | <b>12.5</b> |
|               | 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 10:16 | 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         |             |
| <b>Stehno, Edward</b>   | <b>Credits Requested: Wastewater, PDHs</b>   |               |               | <b>Total Credits Earned</b> | <b>8.0</b> | <b>6.0</b> | <b>14.0</b> | <b>14.0</b> |
| 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         |
| <b>Stein, Eli</b>       | <b>Credits Requested:</b>  |               | <b>Total Credits Earned</b> |      | <b>0.0</b> | <b>2.0</b> | <b>2.0</b>  | <b>2.0</b>  |
|                         | 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         |
| <b>Steinman, Andrew</b> | <b>Credits Requested:</b>  |               | <b>Total Credits Earned</b> |      | <b>6.5</b> | <b>3.5</b> | <b>10.0</b> | <b>10.0</b> |
|                         | 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 |

|  |   |                           |               |      |                             |                             |            |             |             |
|--|---|---------------------------|---------------|------|-----------------------------|-----------------------------|------------|-------------|-------------|
|  | 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        |             |             |
| Steinman, Eric   | <b>Credits Requested:</b> PDHs  |                           |               |      | <b>Total Credits Earned</b> | <b>2.0</b>                  | <b>2.0</b> | <b>4.0</b>  | <b>4.0</b>  |
|  | 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  | <b>Credits Requested:</b> |               |      |                             | <b>Total Credits Earned</b> | <b>2.5</b> | <b>0.0</b>  | <b>2.5</b>  |
| 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  | <b>Credits Requested:</b>   |                           |               |      | <b>Total Credits Earned</b> | <b>7.5</b>                  | <b>2.5</b> | <b>10.0</b> | <b>10.0</b> |
|  | 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         |
|  | 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         |
|  | <b>Stevens, Dewayne</b>  |               |                             |            |            |             |             |
|  | <b>Credits Requested: Wastewater</b>   |               | <b>Total Credits Earned</b> | <b>9.5</b> | <b>4.5</b> | <b>14.0</b> | <b>14.0</b> |
|  | 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 10:16               | 1:05       | 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               | 1:08       | 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 14:04 | 8/13/24 14:31               | 0:26       | 0.5        | 0.5         | 0.5         |
|  | Benefits of Partnering to Reduce Inflow and Infiltration                               | 8/13/24 14:56 | 8/13/24 15:25               | 0:29       | 0.5        | 0.5         | 0.5         |
|  | IDEM Update  | 8/13/24 15:57 | 8/13/24 16:28               | 0:31       | 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         |
|  | 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         |

|                         |  |               |               |                             |            |            |            |
|-------------------------|--|---------------|---------------|-----------------------------|------------|------------|------------|
|                         | 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        |
| <b>Stewart, Briyana</b> | <b>Credits Requested:</b>  |               |               | <b>Total Credits Earned</b> | <b>1.0</b> | <b>1.5</b> | <b>2.5</b> |
|                         | 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        |

|                        |  |               |               |      |                             |            |            |            |
|------------------------|--|---------------|---------------|------|-----------------------------|------------|------------|------------|
|                        | Forecasting Urban Water<br>Escherichia coli Contamination<br>Using Machine Learning Models | 8/13/24 16:26 | 8/13/24 17:00 | 0:34 |                             | 0.5        | 0.5        | 0.5        |
| <b>Stopher, Brenda</b> | <b>Credits Requested: Wastewater</b>   |               |               |      |                             |            |            |            |
|                        |  |               |               |      | <b>Total Credits Earned</b> | <b>5.5</b> | <b>2.5</b> | <b>8.0</b> |
|                        | 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<br>and Strategies: The Indiana<br>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<br>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<br>Startup Challenges during a<br>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<br>Manage Water Availability<br>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<br>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<br>Combined Wastestream<br>Formula                             | 8/14/24 14:05 | 8/14/24 14:35 | 0:29 | 0.5                         |            | 0.5        | 0.5        |
|                        | Enforcement Response Plan,<br>Violations, and Significant Non-<br>Compliance               | 8/14/24 15:14 | 8/14/24 16:15 | 1:00 | 1.0                         |            | 1.0        | 1.0        |
|                        | Transforming Compliance Using<br>Collaborative Technology                                  | 8/14/24 16:21 | 8/14/24 16:58 | 0:36 | 0.5                         |            | 0.5        | 0.5        |
| <b>Stoughton, Ryan</b> | <b>Credits Requested: PDHs</b>   |               |               |      |                             |            |            |            |
|                        |  |               |               |      | <b>Total Credits Earned</b> | <b>0.5</b> | <b>1.0</b> | <b>1.5</b> |
|                        | 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<br>Approach to Selecting New<br>Process Technologies          | 8/15/24 9:41  | 8/15/24 10:50 | 1:08 |                             | 1.0        | 1.0        | 1.0        |
| <b>Stout, Kevin</b>    | <b>Credits Requested: Wastewater</b>   |               |               |      |                             |            |            |            |
|                        |  |               |               |      | <b>Total Credits Earned</b> | <b>4.0</b> | <b>1.0</b> | <b>5.0</b> |
|                        | Fail   | 8/13/24 10:34 | 8/13/24 11:41 | 1:07 | 1.0                         |            | 1.0        | 1.0        |
|                        | PFAS Regulations Impact on the<br>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 11:00               | 0:50       |            | 1.0        | 1.0        |
| <b>Strehl, Joe</b>     |  |               |                             |            |            |            |            |
|                        | <b>Credits Requested:</b>  |               | <b>Total Credits Earned</b> | <b>0.0</b> | <b>1.0</b> | <b>1.0</b> | <b>1.0</b> |
|                        | Welcome & Keynote Address  | 8/13/24 7:58  | 8/13/24 9:00                | 1:01       |            | 1.0        | 1.0        |
| <b>Strong, Aaron</b>   |  |               |                             |            |            |            |            |
|                        | <b>Credits Requested:</b>  |               | <b>Total Credits Earned</b> | <b>2.0</b> | <b>0.0</b> | <b>2.0</b> | <b>2.0</b> |
|                        | Challenges of Rehabilitating a   | 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        |
| <b>Strunk, Zachary</b> |  |               |                             |            |            |            |            |
|                        | <b>Credits Requested: Wastewater</b>   |               | <b>Total Credits Earned</b> | <b>4.0</b> | <b>1.0</b> | <b>5.0</b> | <b>5.0</b> |
|                        | 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        |
|                        | 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        |

|                           |   |               |                             |            |            |            |            |
|---------------------------|---|---------------|-----------------------------|------------|------------|------------|------------|
|                           | 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        |
| <b>Sucharitakul, Andy</b> | <b>Credits Requested:</b> PDHs  |               | <b>Total Credits Earned</b> | <b>4.0</b> | <b>3.5</b> | <b>7.5</b> | <b>7.5</b> |
|                           | 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 not!  | 8/15/24 10:12 | 8/15/24 10:47               | 0:34       | 0.5        | 0.5        | 0.5        |
| <b>Sullivan, Elijah</b>   | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> | <b>4.5</b> | <b>2.5</b> | <b>7.0</b> | <b>7.0</b> |
|                           | 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        |
|  | 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        |
|  | 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        |
|  | 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        |
|  | <b>Summers, Wes</b>   | <b>Credits Requested: Wastewater</b> |               |      | <b>Total Credits Earned</b> | <b>1.5</b> | <b>1.5</b> |
|  | 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        |            |            |
|                       | Contrasting Design Considerations: Municipal Vs Industrial WWTPs                                 | 8/15/24 11:00 | 8/15/24 11:25 | 0:25 |                             | 0.5        | 0.5        |            |            |
| <b>Swanson, Caden</b> |  |               |               |      |                             |            |            |            |            |
|                       | <b>Credits Requested:</b> PDHs   |               |               |      | <b>Total Credits Earned</b> | <b>3.5</b> | <b>5.0</b> | <b>8.5</b> | <b>8.5</b> |
|                       | 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        |            |
| <b>Taylor, Bryce</b>  |  |               |               |      |                             |            |            |            |            |
|                       | <b>Credits Requested:</b> PDHs   |               |               |      | <b>Total Credits Earned</b> | <b>4.0</b> | <b>0.0</b> | <b>4.0</b> | <b>4.0</b> |

|                       |   |               |                             |            |            |            |            |
|-----------------------|---|---------------|-----------------------------|------------|------------|------------|------------|
|                       | 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        |
| <b>Teague, Philip</b> |   |               |                             |            |            |            |            |
|                       | <b>Credits Requested:</b> PDHs  |               | <b>Total Credits Earned</b> | <b>0.5</b> | <b>0.0</b> | <b>0.5</b> | <b>0.5</b> |
|                       | 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        |
| <b>Tennis, Dave</b>   |   |               |                             |            |            |            |            |
|                       | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> | <b>2.0</b> | <b>0.0</b> | <b>2.0</b> | <b>2.0</b> |
|                       | 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        |
|                       | 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        |
|                       | 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        |
| <b>Terry, Jake</b>    |   |               |                             |            |            |            |            |
|                       | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> | <b>0.5</b> | <b>0.0</b> | <b>0.5</b> | <b>0.5</b> |

|  |  |               |               |      |             |            |             |             |
|--|--|---------------|---------------|------|-------------|------------|-------------|-------------|
|  | 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  | <b>Credits Requested:</b>  |               |               |      | <b>2.5</b>  | <b>0.0</b> | <b>2.5</b>  | <b>2.5</b>  |
|  | 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  | <b>Credits Requested: PDHs</b>   |               |               |      | <b>1.5</b>  | <b>2.0</b> | <b>3.5</b>  | <b>3.5</b>  |
|  | 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         |
|  | <b>Credits Requested: Wastewater</b>   |               |               |      | <b>10.0</b> | <b>3.0</b> | <b>13.0</b> | <b>13.0</b> |
| 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         |             |
| THEODOROU, BOB   |  |               |               |      |             |            |             |             |

|  |               |               |      |     |            |            |             |
|--|---------------|---------------|------|-----|------------|------------|-------------|
| 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         |
| <b>Thielka, Tim</b>  |               |               |      |     |            |            |             |
| <b>Credits Requested:</b>  |               |               |      |     | <b>5.5</b> | <b>5.5</b> | <b>11.0</b> |
| <b>Total Credits Earned</b>  |               |               |      |     |            |            | <b>11.0</b> |
| 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 11:49 | 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 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 10:01 | 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        |            |
| <b>Thomas, Carolyn</b>  | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> |      | <b>0.0</b> | <b>1.0</b> | <b>1.0</b> | <b>1.0</b> |
|                         | Welcome & Keynote Address   | 8/13/24 7:50  | 8/13/24 9:00                | 1:09 |            | 1.0        | 1.0        | 1.0        |
| <b>Thompson, Andrew</b> | <b>Credits Requested: PDHs</b>  |               | <b>Total Credits Earned</b> |      | <b>5.0</b> | <b>0.0</b> | <b>5.0</b> | <b>5.0</b> |
|                         | 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        |            |
| <b>Thompson, Chip</b>   | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> |      | <b>0.0</b> | <b>1.0</b> | <b>1.0</b> | <b>1.0</b> |
|                         | 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        |

**Thompson, Jarrett**

| <b>Credits Requested:</b> Wastewater  |               | <b>Total Credits Earned</b> |      |     | <b>6.5</b> | <b>1.0</b> | <b>7.5</b> | <b>7.5</b> |
|---|---------------|-----------------------------|------|-----|------------|------------|------------|------------|
| Critical Maintenance Techniques<br>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<br>Disinfection & The Benefits to<br>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 –<br>From Concept to Demonstrated<br>Performance  | 8/13/24 14:03 | 8/13/24 14:31               | 0:27 | 0.5 |            | 0.5        | 0.5        |            |
| Whole Effluent Toxicity (WET)<br>Testing Requirements for<br>NPDES Permits  | 8/13/24 16:01 | 8/13/24 16:55               | 0:53 | 1.0 |            | 1.0        | 1.0        |            |
| Energy Efficient Retrofits of<br>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 AI, GIS & Digital Twins to<br>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 -<br>Danville, IN   | 8/14/24 10:02 | 8/14/24 10:35               | 0:32 | 0.5 |            | 0.5        | 0.5        |            |
| Howard Roosa Sewer – The<br>Final Outcome of this Non-<br>Traditional, Flexible Approach to<br>Salvaging an Almost 100-Year-<br>Old Sewer | 8/14/24 10:33 | 8/14/24 11:05               | 0:32 | 0.5 |            | 0.5        | 0.5        |            |
| Wastewater Challenge<br>Demonstration   | 8/14/24 16:29 | 8/14/24 16:55               | 0:26 |     | 0.5        | 0.5        | 0.5        |            |
| Optimizing Plant Expansions: A<br>Comprehensive Overview of the<br>Capacity Expansion Project at<br>the Evansville East WWTP<br>Facility  | 8/15/24 7:59  | 8/15/24 8:30                | 0:31 |     | 0.5        | 0.5        | 0.5        |            |
| Informed Decision-Making for<br>Electrical and Controls Systems   | 8/15/24 8:36  | 8/15/24 9:39                | 1:03 | 1.0 |            | 1.0        | 1.0        |            |

**Thompson, Kimberly**

| <b>Credits Requested:</b> Wastewater     |               | <b>Total Credits Earned</b> |      |     | <b>5.0</b> | <b>2.0</b> | <b>7.0</b> | <b>7.0</b> |
|--|---------------|-----------------------------|------|-----|------------|------------|------------|------------|
| Welcome & Keynote Address                | 8/13/24 7:54  | 8/13/24 9:00                | 1:05 |     | 1.0        | 1.0        | 1.0        |            |
| Workforce Development<br>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<br>Fail | 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         |             |
| <b>Tice, Steve</b> | <b>Credits Requested: Wastewater</b>  |               |               | <b>Total Credits Earned</b> | <b>6.0</b> | <b>5.5</b> | <b>11.5</b> | <b>11.5</b> |
|                    | 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        | 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 | <b>Credits Requested:</b>  |               |               | <b>Total Credits Earned</b> | <b>5.0</b> | <b>4.0</b> | <b>9.0</b> |
|               | 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 within Basins in Indiana                | 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         |             |
| TONK, ERIC      | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> |      | <b>0.5</b> | <b>1.0</b> | <b>1.5</b>  | <b>1.5</b>  |
|                 | 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         |
| Towell, Garrett | <b>Credits Requested: Wastewater</b>  |               | <b>Total Credits Earned</b> |      | <b>9.0</b> | <b>3.5</b> | <b>12.5</b> | <b>12.5</b> |
|                 | 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         |

|   |                           |               |      |                             |            |            |            |            |
|---|---------------------------|---------------|------|-----------------------------|------------|------------|------------|------------|
| IDEM Update   | 8/13/24 15:57             | 8/13/24 16:28 | 0:30 |                             | 0.5        | 0.5        | 0.5        |            |
| Adapt and Overcome:<br>Challenges of Rehabilitating a<br>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<br>Systems – The Neglected Plant<br>Process  | 8/14/24 9:30              | 8/14/24 10:00 | 0:30 | 0.5                         |            | 0.5        | 0.5        |            |
| North Interceptor Sewer -<br>Danville, IN   | 8/14/24 10:05             | 8/14/24 10:35 | 0:29 | 0.5                         |            | 0.5        | 0.5        |            |
| Howard Roosa Sewer – The<br>Final Outcome of this Non-<br>Traditional, Flexible Approach to<br>Salvaging an Almost 100-Year-<br>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 -<br>Design Capacity Compared to<br>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<br>optimization with energy<br>savings  | 8/14/24 15:17             | 8/14/24 15:50 | 0:33 | 0.5                         |            | 0.5        | 0.5        |            |
| Optimizing Plant Expansions: A<br>Comprehensive Overview of the<br>Capacity Expansion Project at<br>the Evansville East WWTP<br>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<br>Disinfection  | 8/15/24 8:32              | 8/15/24 9:06  | 0:33 | 0.5                         |            | 0.5        | 0.5        |            |
| Primary Clarifier Sludge and<br>Scum  | 8/15/24 9:11              | 8/15/24 9:40  | 0:29 | 0.5                         |            | 0.5        | 0.5        |            |
| Keeping Your Clarifiers Happy:<br>Solutions for Variable Flow<br>Challenges   | 8/15/24 9:42              | 8/15/24 10:15 | 0:32 | 0.5                         |            | 0.5        | 0.5        |            |
| Sustained 60 MGD? Sure, why<br>not!   | 8/15/24 10:11             | 8/15/24 10:47 | 0:35 | 0.5                         |            | 0.5        | 0.5        |            |
| Contrasting Design<br>Considerations: Municipal Vs<br>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<br>Total Nitrogen Limits  | 8/15/24 11:28             | 8/15/24 11:56 | 0:28 | 0.5                         |            | 0.5        | 0.5        |            |
| <b>Trobaugh, Katie</b>  | <b>Credits Requested:</b> |               |      | <b>Total Credits Earned</b> | <b>4.0</b> | <b>1.0</b> | <b>5.0</b> | <b>5.0</b> |

|                          |  |               |               |      |                             |            |            |             |             |
|--------------------------|--|---------------|---------------|------|-----------------------------|------------|------------|-------------|-------------|
|                          | 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        |             |             |
| <b>Truemner, Madison</b> |  |               |               |      |                             |            |            |             |             |
|                          | <b>Credits Requested: PDHs</b>   |               |               |      | <b>Total Credits Earned</b> | <b>6.0</b> | <b>4.0</b> | <b>10.0</b> | <b>10.0</b> |
|                          | 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         |
|                        | Getting the Next Generation Excited about Wastewater                           | 8/14/24 15:57 | 8/14/24 16:25 | 0:28 |            | 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         |
| <b>Turner, Michael</b> |  |               |               |      |            |            |             |
|                        | <b>Credits Requested: Wastewater</b>   |               |               |      | <b>9.0</b> | <b>3.5</b> | <b>12.5</b> |
|                        | Welcome & Keynote Address  | 8/13/24 7:49  | 8/13/24 9:00  | 1:10 |            | 1.0        | 1.0         |
|                        | Workforce Development Roundtable   | 8/13/24 9:10  | 8/13/24 10:16 | 1:05 |            | 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         |
|                        | 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         |
| <b>Uhlenhake, Karen</b>   | <b>Credits Requested: Wastewater</b>   |               |               | <b>Total Credits Earned</b> | <b>10.5</b> | <b>2.5</b> | <b>13.0</b> |
|   |  |               |               |                             |             |            |             |
| 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         |
| 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         |
| 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         |
| Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer                  | 8/14/24 7:56   | 8/14/24 8:23  | 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 9:26   | 8/14/24 10:00 | 0:34          | 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         |             |
| <b>Upendrakumar, KC "Kumar"</b> |   |                             |               |      |            |            |             |             |
|                                 | <b>Credits Requested:</b> PDHs  | <b>Total Credits Earned</b> |               |      | <b>9.5</b> | <b>4.5</b> | <b>13.5</b> | <b>13.5</b> |
|                                 | 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        |            |            |
| <b>Urban, Derek</b>       |   |               |               |      |                             |            |            |            |            |
|                           | <b>Credits Requested:</b> PDHs  |               |               |      | <b>Total Credits Earned</b> | <b>2.0</b> | <b>2.5</b> | <b>4.5</b> | <b>4.5</b> |
|                           | 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        |            |
| <b>Van Damme, Morgan</b>  |   |               |               |      |                             |            |            |            |            |
|                           | <b>Credits Requested:</b>   |               |               |      | <b>Total Credits Earned</b> | <b>1.5</b> | <b>0.0</b> | <b>1.5</b> | <b>1.5</b> |
|                           | 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        |            |            |
| <b>Vanderford, Kyle</b>   |   |               |               |      |                             |            |            |            |            |
|                           | <b>Credits Requested:</b>   |               |               |      | <b>Total Credits Earned</b> | <b>0.0</b> | <b>0.5</b> | <b>0.5</b> | <b>0.5</b> |
|                           | IDEM Update   | 8/13/24 16:02 | 8/13/24 16:28 | 0:25 |                             | 0.5        | 0.5        | 0.5        |            |
| <b>Vankayala, Praveen</b> |   |               |               |      |                             |            |            |            |            |
|                           | <b>Credits Requested:</b> PDHs  |               |               |      | <b>Total Credits Earned</b> | <b>4.5</b> | <b>2.0</b> | <b>6.5</b> | <b>6.5</b> |
|                           | Welcome & Keynote Address   | 8/13/24 8:08  | 8/13/24 9:00  | 0:51 |                             | 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 11:49 | 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 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        |
|                   | 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        |
| VanProoyen, Randy | 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        |
|                   | <b>Credits Requested:</b>   |               |               | <b>Total Credits Earned</b> | <b>3.5</b> | <b>1.0</b> | <b>4.5</b> |
|                   | 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 | <b>Credits Requested:</b> Wastewater   |               |               |      | <b>Total Credits Earned</b> | <b>9.0</b> | <b>1.0</b> | <b>10.0</b> | <b>10.0</b> |
|                    | 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        | 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        | 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        | 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        | 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        | 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        | 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        | 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        | 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        | 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        | 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        | 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        | 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        | 0.5         |             |
|                    | Ultra-Low Phosphorus Limits  | 8/15/24 7:49  | 8/15/24 8:30  | 0:41 | 0.5                         | 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        |
| <b>Vasell, John</b>     | <b>Credits Requested:</b>  |               | <b>Total Credits Earned</b> | <b>0.5</b> | <b>0.0</b> | <b>0.5</b> | <b>0.5</b> |
|                         | 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        |
| <b>VAUGHN, BRIAN</b>    | <b>Credits Requested:</b> Drinking Water, Wastewater                               |               | <b>Total Credits Earned</b> | <b>2.0</b> | <b>1.0</b> | <b>3.0</b> | <b>3.0</b> |
|                         | 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        |
|                         | 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        |
| <b>Velasco, Manuel</b>  | <b>Credits Requested:</b> PDHs   |               | <b>Total Credits Earned</b> | <b>1.0</b> | <b>2.0</b> | <b>3.0</b> | <b>3.0</b> |
|                         | 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        |
| <b>Velazquez, Ruben</b> | <b>Credits Requested:</b>  |               | <b>Total Credits Earned</b> | <b>4.5</b> | <b>0.5</b> | <b>5.0</b> | <b>5.0</b> |
|                         | 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 8:25  | 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 10:05 | 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         |             |
| <b>Verlezza, Jeff</b>  | <b>Credits Requested:</b>   |               |               | <b>Total Credits Earned</b> | <b>0.5</b>  | <b>0.0</b> | <b>0.5</b>  | <b>0.5</b>  |
|                        | 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         |             |
| <b>Vigil, Cristina</b> | <b>Credits Requested: Wastewater</b>  |               |               | <b>Total Credits Earned</b> | <b>10.5</b> | <b>1.0</b> | <b>11.5</b> | <b>11.5</b> |
|                        | 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        |            |
|                              | <b>Villalobos-Lopez, Maritza</b>   | <b>Credits Requested:</b> |               |      |                             | <b>Total Credits Earned</b> | <b>2.0</b> | <b>1.5</b> | <b>3.5</b> |
|                              | 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        |            |
| <b>Viswanathan, Sudhakar</b> | <b>Credits Requested:</b>  |                           |               |      | <b>Total Credits Earned</b> | <b>2.0</b>                  | <b>0.0</b> | <b>2.0</b> | <b>2.0</b> |

|                        |   |               |                             |      |            |            |             |             |
|------------------------|---|---------------|-----------------------------|------|------------|------------|-------------|-------------|
|                        | 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         |             |
| <b>Wagner, Mike</b>    | <b>Credits Requested:</b> Wastewater  |               | <b>Total Credits Earned</b> |      | <b>1.0</b> | <b>1.5</b> | <b>2.5</b>  | <b>2.5</b>  |
|                        | 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         |             |
|                        | IDEM Update   | 8/13/24 15:54 | 8/13/24 16:28               | 0:33 |            | 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         |             |
|                        | Contrasting Design Considerations: Municipal Vs Industrial WWTPs  | 8/15/24 10:54 | 8/15/24 11:25               | 0:30 |            | 0.5        | 0.5         |             |
| <b>Walker, Allison</b> | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> |      | <b>1.0</b> | <b>1.0</b> | <b>2.0</b>  | <b>2.0</b>  |
|                        | 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         |             |
|                        | 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         |             |
|                        | Benefits of Partnering to Reduce Inflow and Infiltration  | 8/13/24 15:01 | 8/13/24 15:25               | 0:24 | 0.5        |            | 0.5         |             |
|                        | SRF Basics  | 8/13/24 15:57 | 8/13/24 16:29               | 0:32 |            | 0.5        | 0.5         |             |
| <b>Walker, Brent</b>   | <b>Credits Requested:</b> Wastewater  |               | <b>Total Credits Earned</b> |      | <b>9.5</b> | <b>2.5</b> | <b>12.0</b> | <b>12.0</b> |
|                        | 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        |            |
|  | 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        |            |
|  | 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        |            |
|  | 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        |            |
|  | 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        |            |
|  | <b>Walker, Brian</b>  |  |               |                             |            |            |            |            |
|  |   | <b>Credits Requested:</b>  |               | <b>Total Credits Earned</b> | <b>5.5</b> | <b>3.0</b> | <b>8.5</b> | <b>8.5</b> |
|  |   | 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        |



|   |                                      |               |      |                             |            |            |            |            |
|---|--------------------------------------|---------------|------|-----------------------------|------------|------------|------------|------------|
| Regional Stormwater Detention Basins – Treating urban runoff outside your project   | 8/13/24 14:02                        | 8/13/24 14:31 | 0:28 |                             | 0.5        | 0.5        | 0.5        |            |
| Benefits of Partnering to Reduce Inflow and Infiltration  | 8/13/24 15:02                        | 8/13/24 15:25 | 0:23 | 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        |            |
| Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer  | 8/14/24 7:56                         | 8/14/24 8:23  | 0:26 | 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 9:38                         | 8/14/24 10:05 | 0:26 | 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 10:33                        | 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 13:24                        | 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 | 0:28 | 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 15:59                        | 8/14/24 16:26 | 0:26 | 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 8:03                         | 8/15/24 8:30  | 0:27 |                             | 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  | 0:31 | 0.5                         |            | 0.5        | 0.5        |            |
| <b>Wallace, Michael</b>   | <b>Credits Requested:</b> Wastewater |               |      | <b>Total Credits Earned</b> | <b>7.5</b> | <b>0.5</b> | <b>8.0</b> | <b>8.0</b> |

|                      |   |               |               |      |            |            |            |
|----------------------|---|---------------|---------------|------|------------|------------|------------|
|                      | 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        |
| <b>Walters, Ryan</b> |   |               |               |      |            |            |            |
|                      | <b>Credits Requested:</b>   |               |               |      | <b>1.0</b> | <b>0.0</b> | <b>1.0</b> |
|                      | <b>Total Credits Earned</b>   |               |               |      | <b>1.0</b> | <b>0.0</b> | <b>1.0</b> |
|                      | 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        |
| <b>Wamsley, Pete</b> |   |               |               |      |            |            |            |
|                      | <b>Credits Requested:</b>   |               |               |      | <b>1.0</b> | <b>2.5</b> | <b>3.5</b> |
|                      | <b>Total Credits Earned</b>   |               |               |      | <b>1.0</b> | <b>2.5</b> | <b>3.5</b> |
|                      | 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        |            |
| <b>Ware, Jordan</b>     | <b>Credits Requested:</b>  |               | <b>Total Credits Earned</b> |      |     | <b>1.0</b> | <b>0.0</b> | <b>1.0</b> | <b>1.0</b> |
|                         | 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        |            |
| <b>Washington, Tara</b> | <b>Credits Requested: Wastewater</b>   |               | <b>Total Credits Earned</b> |      |     | <b>2.0</b> | <b>4.5</b> | <b>6.5</b> | <b>6.5</b> |
|                         | 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        |            |
| <b>Watkins, Scot</b>    | <b>Credits Requested: Wastewater</b>   |               | <b>Total Credits Earned</b> |      |     | <b>4.5</b> | <b>1.0</b> | <b>5.5</b> | <b>5.5</b> |
|                         | 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         |
| <b>Watson, Joshua</b> | <b>Credits Requested:</b> Wastewater  |               | <b>Total Credits Earned</b> | <b>4.5</b>  | <b>0.0</b> | <b>4.5</b>  | <b>4.5</b>  |
|                       | 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         |
| <b>Weaver, Jason</b>  | <b>Credits Requested:</b> Wastewater  |               | <b>Total Credits Earned</b> | <b>10.0</b> | <b>4.0</b> | <b>14.0</b> | <b>14.0</b> |
|                       | 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 |
| 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        |
| <b>Webb, Dr. Bryan</b> | <b>Credits Requested:</b> Wastewater   |               | <b>Total Credits Earned</b> | <b>3.0</b> | <b>1.0</b> | <b>4.0</b> | <b>4.0</b> |
|                        | 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        |
| <b>Weber, Jared</b>    | <b>Credits Requested:</b>  |               | <b>Total Credits Earned</b> | <b>0.5</b> | <b>0.0</b> | <b>0.5</b> | <b>0.5</b> |
|                        | 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        |
| <b>Weber, Samuel</b>   | <b>Credits Requested:</b> PDHs   |               | <b>Total Credits Earned</b> | <b>2.5</b> | <b>2.0</b> | <b>4.5</b> | <b>4.5</b> |
|                        | 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 subsidizing the growth in your community?                  | 8/14/24 9:33  | 8/14/24 10:30               | 0:57       | 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 10:33 | 8/14/24 11:05 | 0:31 | 0.5        | 0.5        | 0.5        |
| <b>Wehmeyer, Emily</b>       | <b>Credits Requested: Total Credits Earned</b>  |               |               |      |            |            |            |
|                              |   |               |               |      | <b>1.0</b> | <b>3.0</b> | <b>4.0</b> |
|                              | Welcome & Keynote Address   | 8/13/24 8:05  | 8/13/24 9:00  | 0:54 |            | 1.0        | 1.0        |
|                              | Workforce Development Roundtable  | 8/13/24 9:10  | 8/13/24 10:16 | 1:05 |            | 1.0        | 1.0        |
|                              | IDEM Update   | 8/13/24 15:59 | 8/13/24 16:28 | 0:29 |            | 0.5        | 0.5        |
|                              | SRF Basics  | 8/13/24 15:59 | 8/13/24 16:29 | 0:30 |            | 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        |
|                              | 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        |
| <b>Weidenbenner, Whitney</b> | <b>Credits Requested: PDHs Total Credits Earned</b>   |               |               |      |            |            |            |
|                              |   |               |               |      | <b>2.0</b> | <b>1.0</b> | <b>3.0</b> |
|                              | 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        |
|                              | Benefits of Partnering to Reduce Inflow and Infiltration  | 8/13/24 15:01 | 8/13/24 15:25 | 0:24 | 0.5        |            | 0.5        |
|                              | IDEM Update   | 8/13/24 15:56 | 8/13/24 16:28 | 0:31 |            | 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        |
|                              | Hydraulic Modeling - What is it good for?   | 8/14/24 8:32  | 8/14/24 9:00  | 0:28 | 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        |
| <b>Weigel, Dick</b>          | <b>Credits Requested: Total Credits Earned</b>  |               |               |      |            |            |            |
|                              |   |               |               |      | <b>1.5</b> | <b>1.0</b> | <b>2.5</b> |
|                              | North Interceptor Sewer - Danville, IN  | 8/14/24 10:04 | 8/14/24 10:35 | 0:30 | 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        |
|                              | Ethics in Engineering   | 8/14/24 13:28 | 8/14/24 14:30 | 1:02 |            | 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        |

Welch, Elijah

| <b>Credits Requested:</b> PDHs   |               | <b>Total Credits Earned</b> |      | <b>4.5</b> | <b>4.5</b> | <b>9.0</b> | <b>9.0</b> |
|--|---------------|-----------------------------|------|------------|------------|------------|------------|
| 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        |



|  |  |               |               |      |            |            |            |
|--|--|---------------|---------------|------|------------|------------|------------|
|  | 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   | <b>Credits Requested:</b>  |               |               |      | <b>2.0</b> | <b>1.5</b> | <b>3.5</b> |
|  | <b>Total Credits Earned</b>  |               |               |      |            |            | <b>3.5</b> |
|  | 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        |
|  | 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        |
|  | 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   | <b>Credits Requested: PDHs</b>   |               |               |      | <b>1.5</b> | <b>2.0</b> | <b>3.5</b> |
|  | <b>Total Credits Earned</b>  |               |               |      |            |            | <b>3.5</b> |
|  | 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 11:10 | 8/13/24 11:49 | 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 14:01 | 0:34 |            | 0.5        | 0.5        |
|  | Regional Stormwater Detention Basins – Treating urban runoff outside your project                      | 8/13/24 14:02 | 8/13/24 14:31 | 0:28 |            | 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        |
|  | SRF Basics   | 8/13/24 16:00 | 8/13/24 16:29 | 0:28 |            | 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        |            |

Werbianskyj, Greg

| <b>Credits Requested:</b> Wastewater  |               |               | <b>Total Credits Earned</b> | <b>11.5</b> | <b>2.5</b> | <b>14.0</b> | <b>14.0</b> |
|---|---------------|---------------|-----------------------------|-------------|------------|-------------|-------------|
| 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         |
| 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 11:11 | 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 13:25 | 8/13/24 13:55 | 0:29                        | 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 14:57 | 8/13/24 14:59 | 0:01                        | 0.0         |            | 0.0         | 0.0         |
| Benefits of Partnering to Reduce Inflow and Infiltration  | 8/13/24 14:59 | 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 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 7:51  | 8/14/24 8:57  | 1:06                        | 1.0         |            | 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         |
| 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         |
| 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 15:51 | 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 16:29 | 8/14/24 16:55               | 0:26       | 0.5        | 0.5        | 0.5        |
|                       | Tips for Labs that you may not know  | 8/15/24 7:53  | 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                | 0:29       |            | 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 10:09 | 8/15/24 10:47               | 0:38       | 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        |
| <b>WERNER, JEFF</b>   | <b>Credits Requested:</b>  |               | <b>Total Credits Earned</b> | <b>3.0</b> | <b>1.5</b> | <b>4.5</b> | <b>4.5</b> |
|                       | 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        |
|                       | 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        |
|                       | 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        |
|                       | Electrical Safety for Wastewater Operators and Maintenance Personnel                     | 8/15/24 7:59  | 8/15/24 8:30                | 0:31       |            | 0.5        | 0.5        |
|                       | Emergency Preparedness and Procedures  | 8/15/24 8:37  | 8/15/24 9:10                | 0:32       |            | 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 9:48  | 8/15/24 10:15               | 0:27       | 0.5        | 0.5        | 0.5        |
| <b>Wessler, Marty</b> | <b>Credits Requested: PDHs</b>   |               | <b>Total Credits Earned</b> | <b>2.5</b> | <b>1.5</b> | <b>4.0</b> | <b>4.0</b> |

|                       |   |               |                             |            |            |            |            |
|-----------------------|---|---------------|-----------------------------|------------|------------|------------|------------|
|                       | 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        |
|                       | 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        |
| <b>Whitaker, Matt</b> |   |               |                             |            |            |            |            |
|                       | <b>Credits Requested:</b>   |               | <b>Total Credits Earned</b> | <b>2.5</b> | <b>0.0</b> | <b>2.5</b> | <b>2.5</b> |
|                       | 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        |
| <b>White, Amanda</b>  |   |               |                             |            |            |            |            |
|                       | <b>Credits Requested: PDHs</b>  |               | <b>Total Credits Earned</b> | <b>5.5</b> | <b>0.5</b> | <b>6.0</b> | <b>6.0</b> |
|                       | 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

| <b>Credits Requested:</b> PDHs   | <b>Total Credits Earned</b> |               |      | <b>4.5</b> | <b>2.0</b> | <b>6.5</b> | <b>6.5</b> |
|--|-----------------------------|---------------|------|------------|------------|------------|------------|
| 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        |
| 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 16:26               | 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 7:50                | 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 9:07  | 0:39 | 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        |
| <b>White, Kevin</b>   | <b>Credits Requested:</b>  |               | <b>Total Credits Earned</b> | <b>3.5</b> | <b>0.0</b> | <b>3.5</b> | <b>3.5</b> |
|                       | 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        |
| <b>Wichman, David</b> | <b>Credits Requested: PDHs</b>   |               | <b>Total Credits Earned</b> | <b>1.5</b> | <b>2.5</b> | <b>4.0</b> | <b>4.0</b> |
|                       | Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks  | 8/13/24 13:24 | 8/13/24 13:54               | 0:29       |            | 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        |
|                       | 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        |
|                       | SRF Basics   | 8/13/24 15:58 | 8/13/24 16:29               | 0:31       |            | 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        |
|                       | Benefits of Big Bubble Mixing  | 8/14/24 8:29  | 8/14/24 9:00                | 0:30       | 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                | 0:39       |            | 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        |            |            |
| <b>Wilhelm, Rick</b>           | <b>Credits Requested:</b>  |               |               |      | <b>Total Credits Earned</b> | <b>3.5</b> | <b>1.0</b> | <b>4.5</b> | <b>4.5</b> |
|                                | 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        |            |
| <b>Wilhelm-Olsen, Victoria</b> | <b>Credits Requested:</b>  |               |               |      | <b>Total Credits Earned</b> | <b>1.5</b> | <b>2.5</b> | <b>4.0</b> | <b>4.0</b> |
|                                | 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        |            |
| <b>Wilhelmus, Vince</b>        | <b>Credits Requested:</b>  |               |               |      | <b>Total Credits Earned</b> | <b>4.0</b> | <b>0.0</b> | <b>4.0</b> | <b>4.0</b> |
|                                | 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        |            |

|                         |   |               |               |                             |            |            |            |
|-------------------------|---|---------------|---------------|-----------------------------|------------|------------|------------|
|                         | 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 15:18 | 8/14/24 15:55 | 0:36                        | 0.5        | 0.5        | 0.5        |
| <b>Williams, Andrew</b> | <b>Credits Requested: PDHs</b>  |               |               | <b>Total Credits Earned</b> | <b>3.5</b> | <b>6.0</b> | <b>9.5</b> |
|                         | Workforce Development Roundtable  | 8/13/24 9:10  | 8/13/24 10:16 | 1:05                        |            | 1.0        | 1.0        |
|                         | 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        |
|                         | 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, carbon, 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        |
|                         | 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        |
|                         | 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 9:20                | 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        |            |
| <b>Williams, Craig</b>          |  |                             |               |      |            |            |            |            |
|                                 | <b>Credits Requested:</b> Drinking Water, Wastewater   | <b>Total Credits Earned</b> |               |      | <b>4.0</b> | <b>2.5</b> | <b>6.5</b> | <b>6.5</b> |
|                                 | 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        |            |
| <b>Williams, Kenneth s</b>      |  |                             |               |      |            |            |            |            |
|                                 | <b>Credits Requested:</b>  | <b>Total Credits Earned</b> |               |      | <b>0.5</b> | <b>0.0</b> | <b>0.5</b> | <b>0.5</b> |
|                                 | 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        |            |
| <b>Williams, Tracy</b>          |  |                             |               |      |            |            |            |            |
|                                 | <b>Credits Requested:</b>  | <b>Total Credits Earned</b> |               |      | <b>0.0</b> | <b>1.0</b> | <b>1.0</b> | <b>1.0</b> |
|                                 | Welcome & Keynote Address  | 8/13/24 8:05                | 8/13/24 9:00  | 0:54 | 1.0        | 1.0        | 1.0        |            |
| <b>Williams, William (Bill)</b> |  |                             |               |      |            |            |            |            |
|                                 | <b>Credits Requested:</b> Wastewater   | <b>Total Credits Earned</b> |               |      | <b>4.5</b> | <b>4.0</b> | <b>8.5</b> | <b>8.5</b> |
|                                 | Welcome & Keynote Address  | 8/13/24 7:49                | 8/13/24 9:00  | 1:10 | 1.0        | 1.0        | 1.0        |            |

|                      |   |               |               |      |            |            |            |
|----------------------|---|---------------|---------------|------|------------|------------|------------|
|                      | Critical Maintenance Techniques<br>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<br>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 –<br>From Concept to Demonstrated<br>Performance  | 8/13/24 14:04 | 8/13/24 14:32 | 0:28 | 0.5        | 0.5        | 0.5        |
|                      | Benefits of Partnering to Reduce<br>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        |
|                      | The Need to Understand and<br>Manage Water Availability<br>within Basins in Indiana   | 8/13/24 16:32 | 8/13/24 16:57 | 0:25 |            | 0.5        | 0.5        |
|                      | Hydraulic Modeling - What is it<br>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<br>subsidizing the growth in your<br>community?   | 8/14/24 9:24  | 8/14/24 10:30 | 1:05 |            | 1.0        | 1.0        |
|                      | Howard Roosa Sewer – The<br>Final Outcome of this Non-<br>Traditional, Flexible Approach to<br>Salvaging an Almost 100-Year-<br>Old Sewer | 8/14/24 10:34 | 8/14/24 11:05 | 0:31 | 0.5        | 0.5        | 0.5        |
|                      | Water and Wastewater<br>Workforce Development – Is<br>your community ready for the<br>challenge?  | 8/14/24 13:35 | 8/14/24 14:30 | 0:54 |            | 1.0        | 1.0        |
|                      | Adaptive mixing and process<br>optimization with energy<br>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<br>Sustainable CSO Reduction   | 8/14/24 15:50 | 8/14/24 16:26 | 0:35 | 0.5        | 0.5        | 0.5        |
| <b>Wilson, Brian</b> |   |               |               |      |            |            |            |
|                      | <b>Credits Requested:</b> PDHs  |               |               |      | <b>5.5</b> | <b>0.5</b> | <b>6.0</b> |
|                      | <b>Total Credits Earned</b>   |               |               |      |            |            | <b>6.0</b> |
|                      | Conversion of an underutilized<br>combined sewer to a storm<br>sewer  | 8/13/24 10:38 | 8/13/24 11:10 | 0:31 | 0.5        | 0.5        | 0.5        |
|                      | In Case of Emergency: Keeping<br>Stormwater and Traffic Flowing<br>Safely in Indianapolis, Indiana  | 8/13/24 11:08 | 8/13/24 11:49 | 0:41 | 0.5        | 0.5        | 0.5        |

|                    |   |               |               |      |            |            |            |
|--------------------|---|---------------|---------------|------|------------|------------|------------|
|                    | Communication & Collaboration:<br>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        |
|                    | Adapt and Overcome:<br>Challenges of Rehabilitating a 90-inch Sewer   | 8/14/24 7:51  | 8/14/24 8:25  | 0:34 | 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        |
|                    | 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 13:24 | 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        |
| <b>Wilson, Don</b> |   |               |               |      |            |            |            |
|                    | <b>Credits Requested:</b>   |               |               |      | <b>4.5</b> | <b>4.0</b> | <b>8.5</b> |
|                    | <b>Total Credits Earned</b>   |               |               |      |            |            | <b>8.5</b> |
|                    | 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 11:10 | 8/13/24 11:49 | 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 14:01 | 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        |
|                         | 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        |
| <b>Wilson, Erin</b>     |  |               |               |      |                             |            |            |            |
|                         | <b>Credits Requested:</b> Wastewater   |               |               |      | <b>Total Credits Earned</b> | <b>2.5</b> | <b>0.0</b> | <b>2.5</b> |
|                         |  |               |               |      |                             |            |            | <b>2.5</b> |
|                         | 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        |
| <b>Winenger, Justin</b> |  |               |               |      |                             |            |            |            |
|                         | <b>Credits Requested:</b>  |               |               |      | <b>Total Credits Earned</b> | <b>3.5</b> | <b>3.0</b> | <b>6.0</b> |
|                         |  |               |               |      |                             |            |            | <b>6.0</b> |
|                         | 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        |

|  |   |               |               |                             |            |            |            |            |
|--|---|---------------|---------------|-----------------------------|------------|------------|------------|------------|
|  | 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        |            |
|  | 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        |            |
|  | 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        |            |
|  | 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 8:31  | 8/14/24 9:00  | 0:29                        | 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 13:33 | 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        |            |
|  | Indiana Law and Statutes  | 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        |            |            |
| <b>WIREBAUGH, DARRELL</b>                      | <b>Credits Requested:</b>   |               |               | <b>Total Credits Earned</b> | <b>1.5</b> | <b>0.5</b> | <b>2.0</b> | <b>2.0</b> |
|  | 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 | 0:31                        | 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        |            |
| <b>Wirth, Matt</b>                             |   |               |               |                             |            |            |            |            |

|                                 |  |                             |               |      |            |            |            |            |
|---------------------------------|--|-----------------------------|---------------|------|------------|------------|------------|------------|
|                                 | <b>Credits Requested:</b>  | <b>Total Credits Earned</b> |               |      | <b>0.0</b> | <b>1.0</b> | <b>1.0</b> | <b>1.0</b> |
|                                 | Ethics in Engineering  | 8/14/24 13:10               | 8/14/24 14:30 | 1:20 |            | 1.0        | 1.0        | 1.0        |
| <b>Wiseley, Jackson Wiseley</b> | <b>Credits Requested:</b>  | <b>Total Credits Earned</b> |               |      | <b>6.5</b> | <b>0.5</b> | <b>7.0</b> | <b>7.0</b> |
|                                 | 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        |
| <b>Withers, Amanda</b>          | <b>Credits Requested: PDHs</b>   | <b>Total Credits Earned</b> |               |      | <b>2.0</b> | <b>3.5</b> | <b>5.5</b> | <b>5.5</b> |
|                                 | 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        |
| <b>Wolff, Tina</b>   |  |               |               |      |            |            |            |
|                      | <b>Credits Requested:</b>  |               |               |      | <b>1.5</b> | <b>1.5</b> | <b>3.0</b> |
|                      | <b>Total Credits Earned</b>  |               |               |      | <b>1.5</b> | <b>1.5</b> | <b>3.0</b> |
|                      | Total Nitrogen Treatment – What is Required vs. What is Realistic  | 8/13/24 15:00 | 8/13/24 15:27 | 0:27 | 0.5        | 0.5        | 0.5        |
|                      | 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        |
| <b>Wood, Anthony</b> |  |               |               |      |            |            |            |
|                      | <b>Credits Requested: Wastewater</b>   |               |               |      | <b>5.0</b> | <b>1.0</b> | <b>6.0</b> |
|                      | <b>Total Credits Earned</b>  |               |               |      | <b>5.0</b> | <b>1.0</b> | <b>6.0</b> |
|                      | Mastering the Art of Master Planning   | 8/14/24 8:00  | 8/14/24 9:00  | 1:00 | 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 10:33 | 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        |
| <b>Wright, Christopher</b> | <b>Credits Requested: Wastewater</b>   |               |               | <b>Total Credits Earned</b> | <b>9.0</b> | <b>0.5</b> | <b>9.5</b> |
|                            | 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        |
|                            | IDEM Update  | 8/13/24 15:50 | 8/13/24 16:28 | 0:38                        | 0.5        | 0.5        | 0.5        |
|                            | Challenges In The Field  | 8/14/24 10:00 | 8/14/24 10:58 | 0:57                        | 1.0        | 1.0        | 1.0        |
|                            | 21ST Century FOG Management  | 8/14/24 13:16 | 8/14/24 14:00 | 0:44                        | 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 | 1:01                        | 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        |
|                            | 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 9:43              | 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:<br>Exploring 3D Printing Potential<br>in Wastewater Laboratories  | 8/15/24 10:57             | 8/15/24 11:55 | 0:57 | 1.0        | 1.0        | 1.0        |
| <b>Yeary, Robert</b>        | <b>Credits Requested:</b>   |                           |               |      | <b>0.0</b> | <b>0.5</b> | <b>0.5</b> |
|                             | <b>Total Credits Earned</b>   |                           |               |      |            |            | <b>0.5</b> |
|                             | Electrical Safety for Wastewater<br>Operators and Maintenance<br>Personnel  | 8/15/24 7:59              | 8/15/24 8:30  | 0:31 |            | 0.5        | 0.5        |
| <b>Zak, Nick</b>            | <b>Credits Requested:</b>   |                           |               |      | <b>5.0</b> | <b>0.0</b> | <b>5.0</b> |
|                             | <b>Total Credits Earned</b>   |                           |               |      |            |            | <b>5.0</b> |
|                             | Adapt and Overcome:<br>Challenges of Rehabilitating a<br>90-inch Sewer  | 8/14/24 7:54              | 8/14/24 8:25  | 0:31 | 0.5        |            | 0.5        |
|                             | Hydraulic Modeling - What is it<br>good for?  | 8/14/24 8:27              | 8/14/24 9:00  | 0:33 | 0.5        |            | 0.5        |
|                             | Using AI, GIS & Digital Twins to<br>Drive Smarter Sewer Inspections   | 8/14/24 9:31              | 8/14/24 10:00 | 0:28 | 0.5        |            | 0.5        |
|                             | North Interceptor Sewer -<br>Danville, IN   | 8/14/24 10:04             | 8/14/24 10:35 | 0:30 | 0.5        |            | 0.5        |
|                             | Howard Roosa Sewer – The<br>Final Outcome of this Non-<br>Traditional, Flexible Approach to<br>Salvaging an Almost 100-Year-<br>Old Sewer | 8/14/24 10:26             | 8/14/24 11:05 | 0:38 | 0.5        |            | 0.5        |
|                             | Foster Park Relief Sewer –<br>Indian Village CSO 005<br>Connection  | 8/14/24 13:25             | 8/14/24 14:00 | 0:35 | 0.5        |            | 0.5        |
|                             | Critical Crossing: Gravity Sewer<br>under a Ditch, Railroad, and<br>State Road in Greendale,<br>Indiana                                   | 8/14/24 14:03             | 8/14/24 14:30 | 0:27 | 0.5        |            | 0.5        |
|                             | Lafayette Prairie Oaks Pipeline<br>Rehab  | 8/14/24 15:17             | 8/14/24 15:55 | 0:38 | 0.5        |            | 0.5        |
|                             | Use of Pipe Storage System for<br>Sustainable CSO Reduction   | 8/14/24 15:50             | 8/14/24 16:26 | 0:35 | 0.5        |            | 0.5        |
|                             | Minges Brook Pump Station -<br>Ten Gallons of Pump Station in<br>a Five Gallon Bucket   | 8/14/24 16:27             | 8/14/24 16:55 | 0:27 | 0.5        |            | 0.5        |
|                             | <b>Zeck, Ryan</b>   | <b>Credits Requested:</b> |               |      |            | <b>1.0</b> | <b>0.0</b> |
| <b>Total Credits Earned</b> |   |                           |               |      |            |            | <b>1.0</b> |
|                             | Biosolids: Fail to Plan; Plan to<br>Fail  | 8/13/24 10:31             | 8/13/24 11:42 | 1:10 | 1.0        |            | 1.0        |

Ziino, Kate

| <b>Credits Requested:</b> PDHs   | <b>Total Credits Earned</b> |               |      | <b>6.5</b> | <b>5.0</b> | <b>10.5</b> | <b>10.5</b> |
|--|-----------------------------|---------------|------|------------|------------|-------------|-------------|
| 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         |