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

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

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

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

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

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

	Critical Maintenance Techniques Your Plant may be over looking	8/13/24 10:36	8/13/24 11:40	1:04	1.0		1.0	1.0
	Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities	8/13/24 13:23	8/13/24 13:54	0:31	0.5		0.5	0.5
	Optimizing Final Clarifiers – From Concept to Demonstrated Performance	8/13/24 14:00	8/13/24 14:25	0:25	0.5		0.5	0.5
	Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits	8/13/24 15:56	8/13/24 16:55	0:58	1.0		1.0	1.0
	Benefits of Big Bubble Mixing	8/14/24 8:27	8/14/24 9:00	0:32	0.5		0.5	0.5
	WWTP Non-Potable Water Systems – The Neglected Plant Process	8/14/24 9:25	8/14/24 10:00	0:35	0.5		0.5	0.5
	North Interceptor Sewer - Danville, IN	8/14/24 10:04	8/14/24 10:35	0:30	0.5		0.5	0.5
	Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer	8/14/24 10:33	8/14/24 11:05	0:31	0.5		0.5	0.5
	Wastewater Challenge Demonstration	8/14/24 16:29	8/14/24 16:55	0:25		0.5	0.5	0.5
	Electrical Safety for Wastewater Operators and Maintenance Personnel	8/15/24 7:56	8/15/24 8:30	0:34		0.5	0.5	0.5
	Emergency Preparedness and Procedures	8/15/24 8:33	8/15/24 9:10	0:37		0.5	0.5	0.5
	Basics of pH	8/15/24 9:44	8/15/24 10:15	0:31	0.5		0.5	0.5
	Sustained 60 MGD? Sure, why not!	8/15/24 10:16	8/15/24 10:45	0:28	0.5		0.5	0.5
kander, Andrea				1	0.5	4.0	12.5	12.5
	Credits Requested: Waste			redits Earned	8.5	4.0	12.5	12.5
	Welcome & Keynote Address	8/13/24 8:03	8/13/24 9:00	0:56		1.0	1.0	1.0
	Operator Certification Update	8/13/24 10:31	8/13/24 11:07	0:36		0.5	0.5	0.5
	Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap	8/13/24 11:08	8/13/24 11:42	0:33		0.5	0.5	0.5
	PFAS Regulations Impact on the Future of Land Application	8/13/24 13:21	8/13/24 13:55	0:33	0.5		0.5	0.5
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Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants	8/13/24 13:59	8/13/24 14:25	0:25	0.5		0.5	0.5
Total Nitrogen Treatment – What is Required vs. What is Realistic	8/13/24 14:54	8/13/24 15:25	0:30	0.5		0.5	0.5
IDEM Update	8/13/24 15:56	8/13/24 16:25	0:29		0.5	0.5	0.5
The Need to Understand and Manage Water Availability within Basins in Indiana	8/13/24 16:31	8/13/24 16:58	0:26		0.5	0.5	0.5
Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer	8/14/24 7:59	8/14/24 8:25	0:25	0.5		0.5	0.5
Hydraulic Modeling - What is it good for?	8/14/24 8:25	8/14/24 9:00	0:35	0.5		0.5	0.5
Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections	8/14/24 9:29	8/14/24 10:00	0:30	0.5		0.5	0.5
North Interceptor Sewer - Danville, IN	8/14/24 10:03	8/14/24 10:35	0:31	0.5		0.5	0.5
Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer	8/14/24 10:30	8/14/24 11:05	0:35	0.5		0.5	0.5
21ST Century FOG Management	8/14/24 13:31	8/14/24 13:58	0:26	0.5		0.5	0.5
IU Permits and Applying the Combined Wastestream Formula	8/14/24 14:05	8/14/24 14:35	0:30	0.5		0.5	0.5
Enforcement Response Plan, Violations, and Significant Non- Compliance	8/14/24 15:23	8/14/24 16:13	0:50	1.0		1.0	1.0
Transforming Compliance Using Collaborative Technology	8/14/24 16:21	8/14/24 16:57	0:35	0.5		0.5	0.5
Tips for Labs that you may not know	8/15/24 8:00	8/15/24 8:30	0:30	0.5		0.5	0.5
Emergency Preparedness and Procedures	8/15/24 8:34	8/15/24 9:10	0:36		0.5	0.5	0.5
Basics of pH	8/15/24 9:44	8/15/24 10:15	0:31	0.5		0.5	0.5
Sustained 60 MGD? Sure, why not!	8/15/24 10:17	8/15/24 10:45	0:27	0.5		0.5	0.5

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

	Foster Park Relief Sewer – Indian Village CSO 005 Connection	8/14/24 13:25	8/14/24 14:00	0:35	0.5		0.5	0.5
	Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana	8/14/24 14:02	8/14/24 14:30	0:27	0.5		0.5	0.5
	A Gen Z Perspective on the Wastewater Industry	8/14/24 15:18	8/14/24 15:55	0:36		0.5	0.5	0.5
	Use of Pipe Storage System for Sustainable CSO Reduction	8/14/24 15:57	8/14/24 16:26	0:29	0.5		0.5	0.5
surnett, Tole	Credits Requested:		Total C	Credits Earned	0.0	1.0	1.0	1.0
	Welcome & Keynote Address	8/13/24 8:05	8/13/24 9:00	0:54		1.0	1.0	1.0
Burns, Aaron	Credits Requested: PDHs		Total C	redits Earned	6.0	3.5	9.5	9.5
	Welcome & Keynote Address	8/13/24 7:46	8/13/24 9:00	1:13		1.0	1.0	1.0
	Conversion of an underutilized combined sewer to a storm sewer	8/13/24 10:36	8/13/24 11:10	0:33	0.5		0.5	0.5
	In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana	8/13/24 11:09	8/13/24 11:47	0:38	0.5		0.5	0.5
	Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks	8/13/24 13:25	8/13/24 13:55	0:30		0.5	0.5	0.5
	Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis	8/13/24 13:55	8/13/24 14:28	0:33		0.5	0.5	0.5
	Grit Happens: Conquering Startup Challenges during a WWTP Upgrade	8/13/24 14:57	8/13/24 15:26	0:28		0.5	0.5	0.5
	SRF Basics	8/13/24 15:56	8/13/24 16:29	0:33		0.5	0.5	0.5
	Forecasting Urban Water Escherichia coli Contamination Using Machine Learning Models	8/13/24 16:26	8/13/24 17:00	0:34		0.5	0.5	0.5
	Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer	8/14/24 8:01	8/14/24 8:27	0:25	0.5		0.5	0.5
	Hydraulic Modeling - What is it good for?	8/14/24 8:25	8/14/24 9:00	0:35	0.5		0.5	0.5
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	Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections	8/14/24 9:31	8/14/24 10:00	0:28	0.5		0.5	0.5
	North Interceptor Sewer - Danville, IN	8/14/24 10:04	8/14/24 10:35	0:30	0.5		0.5	0.5
	Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer	8/14/24 10:26	8/14/24 11:05	0:39	0.5		0.5	0.5
	Foster Park Relief Sewer – Indian Village CSO 005 Connection	8/14/24 13:24	8/14/24 14:00	0:36	0.5		0.5	0.5
	Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana	8/14/24 14:02	8/14/24 14:30	0:27	0.5		0.5	0.5
	Lafayette Prairie Oaks Pipeline Rehab	8/14/24 15:17	8/14/24 15:55	0:38	0.5		0.5	0.5
	Use of Pipe Storage System for Sustainable CSO Reduction	8/14/24 15:50	8/14/24 16:26	0:35	0.5		0.5	0.5
	Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket	8/14/24 16:27	8/14/24 16:55	0:27	0.5		0.5	0.5
Burroughs, Benjamin	Credite Personal PDUs		Total C	redits Earned	1.0	0.0	1.0	1.0
	Credits Requested: PDHs		TOTAL	redits carried	1.0	0.0	1.0	1.0
	Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities	8/13/24 13:30	8/13/24 13:55	0:25	0.5		0.5	0.5
	Total Nitrogen Treatment – What is Required vs. What is Realistic	8/13/24 14:53	8/13/24 15:25	0:31	0.5		0.5	0.5
Butts, Samantha	Credits Requested:		Total C	redits Earned	1.0	0.5	1.5	1.5
	Credits Requested:					0.5		
	21ST Century FOG Management	8/14/24 13:29	8/14/24 13:58	0:29	0.5		0.5	0.5
	IU Permits and Applying the Combined Wastestream Formula	8/14/24 14:04	8/14/24 14:35	0:30	0.5		0.5	0.5
	A Gen Z Perspective on the Wastewater Industry	8/14/24 15:17	8/14/24 15:55	0:37		0.5	0.5	0.5
Caldwell, Christian	Cuedite Description		T-1-10		2 F	1.0	2 「	2 「
Caldwell, Christian	Credits Requested: Wastev Welcome & Keynote Address	vater 8/13/24 8:01	Total C 8/13/24 9:00	credits Earned	2.5	1.0	3.5	3.5

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

	Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer	8/14/24 10:33	8/14/24 11:05	0:31	0.5		0.5	0.5
	Wastewater Challenge Demonstration	8/14/24 16:29	8/14/24 16:55	0:26		0.5	0.5	0.5
	Electrical Safety for Wastewater Operators and Maintenance Personnel	8/15/24 7:56	8/15/24 8:30	0:34		0.5	0.5	0.5
	Emergency Preparedness and Procedures	8/15/24 8:32	8/15/24 9:10	0:37		0.5	0.5	0.5
	Basics of pH	8/15/24 9:44	8/15/24 10:15	0:31	0.5		0.5	0.5
	Sustained 60 MGD? Sure, why not!	8/15/24 10:16	8/15/24 10:46	0:30	0.5		0.5	0.5
Ransberger, Kris								
	Credits Requested:		Total C	redits Earned	4.5	0.5	5.0	5.0
	Energy Efficient Retrofits of Oxidation ditches	8/14/24 7:50	8/14/24 8:26	0:36	0.5		0.5	0.5
	Benefits of Big Bubble Mixing	8/14/24 8:28	8/14/24 9:00	0:31	0.5		0.5	0.5
	Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections	8/14/24 9:33	8/14/24 10:00	0:27	0.5		0.5	0.5
	Challenges In The Field	8/14/24 10:03	8/14/24 10:57	0:54	1.0		1.0	1.0
	50 Years Later and SND Still Works	8/14/24 13:30	8/14/24 14:01	0:31	0.5		0.5	0.5
	Requirements vs. Reality - Design Capacity Compared to Real World Observations	8/14/24 14:05	8/14/24 14:35	0:30	0.5		0.5	0.5
	A Gen Z Perspective on the Wastewater Industry	8/14/24 15:15	8/14/24 15:55	0:39		0.5	0.5	0.5
	Use of Pipe Storage System for Sustainable CSO Reduction	8/14/24 15:57	8/14/24 16:26	0:28	0.5		0.5	0.5
	Enhancing the absorption capacity of GAC to remove PFAS from water	8/14/24 16:30	8/14/24 16:56	0:25	0.5		0.5	0.5
Reed, Benjamin							_	-
	Credits Requested: PDHs			redits Earned	1.0	6.0	7.0	7.0
	Welcome & Keynote Address	8/13/24 8:09	8/13/24 9:00	0:50		1.0	1.0	1.0
	Conversion of an underutilized combined sewer to a storm sewer	8/13/24 10:35	8/13/24 11:10	0:34	0.5		0.5	0.5
	Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap	8/13/24 11:10	8/13/24 11:42	0:32		0.5	0.5	0.5

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

	IU Permits and Applying the Combined Wastestream Formula	8/14/24 14:06	8/14/24 14:35	0:28	0.5		0.5	0.5
	Enforcement Response Plan, Violations, and Significant Non- Compliance	8/14/24 15:23	8/14/24 16:15	0:51	1.0		1.0	1.0
	Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket	8/14/24 16:28	8/14/24 16:55	0:26	0.5		0.5	0.5
	Back to Basics: Review of UV Disinfection	8/15/24 8:32	8/15/24 9:06	0:34	0.5		0.5	0.5
	Flexing Your Procurement Muscle	8/15/24 9:12	8/15/24 9:37	0:25	0.5		0.5	0.5
	Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges	8/15/24 9:45	8/15/24 10:15	0:29	0.5		0.5	0.5
	Sustained 60 MGD? Sure, why not!	8/15/24 10:19	8/15/24 10:46	0:27	0.5		0.5	0.5
	Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories	8/15/24 10:59	8/15/24 11:55	0:55	1.0		1.0	1.0
Reeves, Calvin	Credits Requested:		Total C	redits Earned	1.5	0.0	1.5	1.5
	Informed Decision-Making for Electrical and Controls Systems	8/15/24 8:33	8/15/24 9:39	1:05	1.0		1.0	1.0
	Keeping Your Clarifiers Happy: Solutions for Variable Flow	8/15/24 9:39	8/15/24 10:15	0:35	0.5			0.5
	Challenges	, ,	0/13/24 10:13	0.33	0.5		0.5	0.5
Retherford, Brook	Challenges	· ·				0.0		
Retherford, Brook				redits Earned	0.5	0.0	0.5	0.5
Retherford, Brook	Challenges	8/13/24 14:54				0.0		
·	Credits Requested: Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures		Total C 8/13/24 15:26	redits Earned 0:31	0.5		0.5	0.5
,	Credits Requested: Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures Credits Requested: Hydraulic Modeling - What is it		Total C 8/13/24 15:26	redits Earned	0.5	3.0	0.5	0.5
	Challenges Credits Requested: Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures Credits Requested:	8/13/24 14:54	Total C 8/13/24 15:26 Total C	0:31 redits Earned	0.5		0.5	0.5
Retherford, Brook	Credits Requested: Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures Credits Requested: Hydraulic Modeling - What is it	8/13/24 14:54	Total C 8/13/24 15:26 Total C	0:31 redits Earned	0.5		0.5	0.5
,	Challenges Credits Requested: Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures Credits Requested: Hydraulic Modeling - What is it good for? Using AI, GIS & Digital Twins to	8/13/24 14:54 8/14/24 8:26	Total C 8/13/24 15:26 Total C 8/14/24 9:00	0:31 redits Earned 0:34	0.5 0.5 2.0 0.5		0.5 0.5 5.0 0.5	0.5 0.5 5.0 0.5

Ethics in Engineering	8/14/24 13:28	8/14/24 14:30	1:02		1.0	1.0	1.0
Indiana Law and Statutes	8/14/24 15:08	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
Credits Requested: PDHs		Total C	redits Earned	1.5	4.0	5.5	5.5
PFAS Regulations Impact on the Future of Land Application	8/13/24 13:20	8/13/24 13:56	0:36	0.5		0.5	0.5
Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants	8/13/24 13:59	8/13/24 14:26	0:27	0.5		0.5	0.5
Grit Happens: Conquering Startup Challenges during a WWTP Upgrade	8/13/24 14:56	8/13/24 15:26	0:30		0.5	0.5	0.5
IDEM Update	8/13/24 15:53	8/13/24 16:27	0:33		0.5	0.5	0.5
The Need to Understand and Manage Water Availability within Basins in Indiana	8/13/24 16:31	8/13/24 16:57	0:25		0.5	0.5	0.5
Ethics in Engineering	8/14/24 13:34	8/14/24 14:30	0:56		1.0	1.0	1.0
Indiana Law and Statutes	8/14/24 15:18	8/14/24 16:22	1:04		1.0	1.0	1.0
Contrasting Design Considerations: Municipal Vs Industrial WWTPs	8/15/24 10:59	8/15/24 11:25	0:25		0.5	0.5	0.5
Grit Happens - Sustainable Solutions for Grit Management At WWTPs	8/15/24 11:26	8/15/24 11:55	0:29	0.5		0.5	0.5
		=			0.5	2.5	2 -
					0.5		2.5
	8/15/24 /: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	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
Credits Paguested:		Total C	rodite Farned	0.0	1.0	1.0	1.0
<u> </u>		Total C	redits carned	0.0	1.0	1.0	1.0
Workforce Development	8/13/24 9:10	8/13/24 10:15	1:04		1.0	1.0	1.0
	Indiana Law and Statutes Enhancing the absorption capacity of GAC to remove PFAS from water Credits Requested: PDHs PFAS Regulations Impact on the Future of Land Application Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants Grit Happens: Conquering Startup Challenges during a WWTP Upgrade IDEM Update The Need to Understand and Manage Water Availability within Basins in Indiana Ethics in Engineering Indiana Law and Statutes Contrasting Design Considerations: Municipal Vs Industrial WWTPs Grit Happens - Sustainable Solutions for Grit Management At WWTPs Credits Requested: Wastew know IWEA WASTEWATER LABORATORY ANALYST CERTIFICATION Flexing Your Procurement Muscle Basics of pH A case for better lab results Credits Requested:	Indiana Law and Statutes Enhancing the absorption capacity of GAC to remove PFAS From water Credits Requested: PDHs PFAS Regulations Impact on the Future of Land Application Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation PFAS and Emerging Contaminants Grit Happens: Conquering Startup Challenges during a WWTP Upgrade IDEM Update IDEM Update IDEM Update IDEM Understand and Manage Water Availability within Basins in Indiana Ethics in Engineering Considerations: Municipal Vs Indiana Law and Statutes Contrasting Design Considerations: Municipal Vs Industrial WWTPs Grit Happens - Sustainable Solutions for Grit Management At WWTPs Credits Requested: Wastewater know 8/15/24 11:26 At WWTPs Credits Requested: Wastewater know 8/15/24 7:55 IWEA WASTEWATER LABORATORY ANALYST CERTIFICATION Flexing Your Procurement Muscle Basics of pH 8/15/24 9:07 Muscle Basics of pH 8/15/24 9:46 A case for better lab results Name PFAS 8/15/24 10:17	Indiana Law and Statutes	Indiana Law and Statutes 8/14/24 15:08 8/14/24 16:22 1:13 Enhancing the absorption capacity of GAC to remove PFAS 8/14/24 16:24 8/14/24 16:55 0:30 Credits Requested: PDHs Total Credits Earned PFAS Regulations Impact on the 8/13/24 13:20 8/13/24 13:56 0:36 Future of Land Application Pathways in Sub and Supercritical Water Oxidation 8/13/24 13:59 8/13/24 14:26 0:27 Processes for the Destruction of PFAS and Emerging Contaminants Grit Happens: Conquering Startup Challenges during a 8/13/24 14:56 8/13/24 15:26 0:30 WWTP Upgrade IDEM Update 8/13/24 15:53 8/13/24 16:27 0:33 The Need to Understand and Manage Water Availability 8/13/24 16:31 8/13/24 16:57 0:25 Within Basins in Indiana Ethics in Engineering 8/14/24 13:34 8/14/24 14:30 0:56 Indiana Law and Statutes 8/14/24 13:34 8/14/24 16:22 1:04 Contrasting Design Contrasting Design Considerations: Municipal Vs Industrial WWTPs Grit Happens - Sustainable Solutions for Grit Management 8/15/24 11:26 8/15/24 11:55 0:29 Credits Requested: Wastewater Total Credits Earned know 8/15/24 9:07 8/15/24 9:07 0:25 Credits Requested: Wastewater Total Credits Earned Russes of PH 8/15/24 9:07 8/15/24 9:07 0:29 A case for better lab results 8/15/24 9:07 8/15/24 9:07 0:29 A case for better lab results 8/15/24 10:17 8/15/24 10:47 0:29 Credits Requested: Total Credits Earned Russes Requested: Total Credits Earned Russes Repulse Repu	Indiana Law and Statutes	Indiana Law and Statutes	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 CAC to remove PFAS 8/14/24 16:24 8/14/24 16:55 0:30 0:5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.

Credits Requested: Wastev	water	Total C	redits Earned	9.0	2.5	11.5	11.5
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
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	Credits Requested: Wastev	vater	Total C	Credits Earned	3.5	3.0	6.5	6.5
	Welcome & Keynote Address	8/13/24 7:53	8/13/24 9:00	1:06	0.0	1.0	1.0	1.0
	Conversion of an underutilized combined sewer to a storm sewer	8/13/24 10:40	8/13/24 11:10	0:29	0.5	-	0.5	0.5
	In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana	8/13/24 11:11	8/13/24 11:49	0:38	0.5		0.5	0.5
	Grit Happens: Conquering Startup Challenges during a WWTP Upgrade	8/13/24 15:01	8/13/24 15:28	0:26		0.5	0.5	0.5
	Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections	8/14/24 9:24	8/14/24 10:00	0:35	0.5		0.5	0.5
	Challenges In The Field	8/14/24 10:07	8/14/24 10:58	0:50	1.0		1.0	1.0
	21ST Century FOG Management	8/14/24 13:33	8/14/24 13:59	0:26	0.5		0.5	0.5
	IU Permits and Applying the Combined Wastestream Formula	8/14/24 14:08	8/14/24 14:35	0:26	0.5		0.5	0.5
	Electrical Safety for Wastewater Operators and Maintenance Personnel	8/15/24 8:04	8/15/24 8:30	0:26		0.5	0.5	0.5
	Emergency Preparedness and Procedures	8/15/24 8:31	8/15/24 9:10	0:39		0.5	0.5	0.5
	Contrasting Design Considerations: Municipal Vs Industrial WWTPs	8/15/24 10:52	8/15/24 11:25	0:33		0.5	0.5	0.5
Robarge, Andrew					0.5			
	Credits Requested: PDHs			redits Earned	2.5	5.0	7.5	7.5
	Welcome & Keynote Address	8/13/24 7:58	8/13/24 9:00	1:01		1.0	1.0	1.0
	Workforce Development Roundtable	8/13/24 9:10	8/13/24 10:15	1:04		1.0	1.0	1.0
	Conversion of an underutilized combined sewer to a storm sewer	8/13/24 10:39	8/13/24 11:10	0:30	0.5		0.5	0.5
	In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana	8/13/24 11:09	8/13/24 11:49	0:39	0.5		0.5	0.5

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

	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
, , , , , , , , , , , , , , , , , , ,	Credits Requested:		Total C	redits Earned	2.5	2.0	4.5	4.5
Robertson, Sam	Welcome & Keynote Address	8/13/24 8:00	8/13/24 9:00	0:59		1.0	1.0	1.0
Robertson, Kellie	Credits Requested:			redits Earned	0.0	1.0	1.0	1.0
	PFAS Regulations Impact on the Future of Land Application	8/13/24 13:23	8/13/24 13:56	0:33	0.5		0.5	0.5
Robertson, Brau	Credits Requested:		Total C	redits Earned	0.5	0.0	0.5	0.5
Robertson, Brad	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
	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
	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
	Primary Clarifier Sludge and Scum	8/15/24 9:08	8/15/24 9:40	0:31	0.5		0.5	0.5
	Back to Basics: Review of UV Disinfection	8/15/24 8:32	8/15/24 9:06	0:34	0.5		0.5	0.5
	a Five Gallon Bucket Ultra-Low Phosphorus Limits	8/15/24 7:54	8/15/24 8:30	0:35	0.5		0.5	0.5
	Minges Brook Pump Station - Ten Gallons of Pump Station in	8/14/24 16:27	8/14/24 16:55	0:28	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
	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
	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
	21ST Century FOG Management	8/14/24 13:17	8/14/24 13:59	0:42	0.5		0.5	0.5

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

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

	Regional Stormwater Detention Basins – Treating urban runoff outside your project	8/13/24 14:02	8/13/24 14:31	0:29		0.5	0.5	0.5
	Hydraulic Modeling - What is it good for?	8/14/24 8:31	8/14/24 9:00	0:29	0.5		0.5	0.5
	North Interceptor Sewer - Danville, IN	8/14/24 10:07	8/14/24 10:35	0:28	0.5		0.5	0.5
	Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer	8/14/24 10:37	8/14/24 11:05	0:28	0.5		0.5	0.5
	Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket	8/14/24 16:30	8/14/24 16:58	0:27	0.5		0.5	0.5
Rooks, Ray								
	Credits Requested: Wastey	vater	Total C	redits Earned	6.0	5.5	11.5	11.5
	Welcome & Keynote Address	8/13/24 8:05	8/13/24 9:00	0:54		1.0	1.0	1.0
	Critical Maintenance Techniques Your Plant may be over looking	8/13/24 10:27	8/13/24 11:41	1:14	1.0		1.0	1.0
	PFAS Regulations Impact on the Future of Land Application	8/13/24 13:15	8/13/24 13:56	0:41	0.5		0.5	0.5
	Regional Stormwater Detention Basins – Treating urban runoff outside your project	8/13/24 14:03	8/13/24 14:31	0:28		0.5	0.5	0.5
	Grit Happens: Conquering Startup Challenges during a WWTP Upgrade	8/13/24 14:58	8/13/24 15:28	0:29		0.5	0.5	0.5
	IDEM Update	8/13/24 15:53	8/13/24 16:27	0:34		0.5	0.5	0.5
	Forecasting Urban Water Escherichia coli Contamination Using Machine Learning Models	8/13/24 16:32	8/13/24 17:00	0:28		0.5	0.5	0.5
	Mastering the Art of Master Planning	8/14/24 7:48	8/14/24 9:00	1:12	1.0		1.0	1.0
	Rate inequity: are your residents subsidizing the growth in your community?	8/14/24 9:30	8/14/24 10:30	0:59		1.0	1.0	1.0

	Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer	8/14/24 10:30	8/14/24 11:05	0:34	0.5		0.5	0.5
	Water and Wastewater Workforce Development – Is your community ready for the challenge?	8/14/24 13:25	8/14/24 14:30	1:05		1.0	1.0	1.0
	Tips for Labs that you may not know	8/15/24 7:53	8/15/24 8:30	0:37	0.5		0.5	0.5
	IWEA WASTEWATER LABORATORY ANALYST CERTIFICATION	8/15/24 8:32	8/15/24 9:01	0:28		0.5	0.5	0.5
	Flexing Your Procurement Muscle	8/15/24 9:10	8/15/24 9:38	0:27	0.5		0.5	0.5
	Basics of pH	8/15/24 9:45	8/15/24 10:15	0:30	0.5		0.5	0.5
	A case for better lab results	8/15/24 10:17	8/15/24 10:47	0:29	0.5		0.5	0.5
	Pipes, Prints and Prototypes: Exploring 3D Printing Potential	8/15/24 11:00	8/15/24 11:55	0:55	1.0		1.0	1.0
	in Wastewater Laboratories							
per, Ralph	in Wastewater Laboratories Credits Requested:		Total C	redits Earned	5.0	2.0	7.0	7.0
per, Ralph		8/13/24 10:31	Total C 8/13/24 11:41	Credits Earned	5.0	2.0	7.0	7.0
per, Ralph	Credits Requested: Biosolids: Fail to Plan; Plan to	8/13/24 10:31 8/13/24 13:23				2.0		
per, Ralph	Credits Requested: Biosolids: Fail to Plan; Plan to Fail Peracetic Acid for Wastewater Disinfection & The Benefits to	<u> </u>	8/13/24 11:41	1:10	1.0	2.0	1.0	1.0
per, Ralph	Credits Requested: Biosolids: Fail to Plan; Plan to Fail Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities Total Nitrogen Treatment – What is Required vs. What is	8/13/24 13:23	8/13/24 11:41 8/13/24 13:59	1:10 0:35	0.5	2.0	0.5	0.5
per, Ralph	Credits Requested: Biosolids: Fail to Plan; Plan to Fail Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities Total Nitrogen Treatment – What is Required vs. What is Realistic Whole Effluent Toxicity (WET) Testing Requirements for	8/13/24 13:23 8/13/24 14:52	8/13/24 11:41 8/13/24 13:59 8/13/24 15:27	1:10 0:35 0:35	0.5	2.0	0.5	0.5
per, Ralph	Credits Requested: Biosolids: Fail to Plan; Plan to Fail Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities Total Nitrogen Treatment – What is Required vs. What is Realistic Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits WWTP Non-Potable Water Systems – The Neglected Plant	8/13/24 13:23 8/13/24 14:52 8/13/24 15:52	8/13/24 11:41 8/13/24 13:59 8/13/24 15:27 8/13/24 16:55	1:10 0:35 0:35	1.0 0.5 0.5	2.0	1.0 0.5 0.5	1.0 0.5 0.5
per, Ralph	Credits Requested: Biosolids: Fail to Plan; Plan to Fail Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities Total Nitrogen Treatment – What is Required vs. What is Realistic Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits WWTP Non-Potable Water Systems – The Neglected Plant Process North Interceptor Sewer -	8/13/24 13:23 8/13/24 14:52 8/13/24 15:52 8/14/24 9:27	8/13/24 11:41 8/13/24 13:59 8/13/24 15:27 8/13/24 16:55 8/14/24 10:00	1:10 0:35 0:35 1:02	1.0 0.5 0.5 1.0	0.5	1.0 0.5 0.5 1.0	1.0 0.5 0.5 1.0

	Adaptive mixing and process optimization with energy savings	8/14/24 15:17	8/14/24 15:50	0:33	0.5		0.5	0.5
	Getting the Next Generation Excited about Wastewater	8/14/24 16:00	8/14/24 16:25	0:25		0.5	0.5	0.5
	Enhancing the absorption capacity of GAC to remove PFAS from water	8/14/24 16:28	8/14/24 16:55	0:27	0.5		0.5	0.5
Roschyk, Jeremy	2 11 2				4.0	0.5	4.0	4.0
	Credits Requested:		Total C	redits Earned	4.0	0.5	4.0	4.0
	PFAS Regulations Impact on the Future of Land Application	8/13/24 13:30	8/13/24 13:56	0:26	0.5		0.5	0.5
	Optimizing Final Clarifiers – From Concept to Demonstrated Performance	8/13/24 14:04	8/13/24 14:29	0:24	0.5		0.5	0.5
	Total Nitrogen Treatment – What is Required vs. What is Realistic	8/13/24 15:02	8/13/24 15:27	0:25	0.5		0.5	0.5
	Benefits of Big Bubble Mixing	8/14/24 8:43	8/14/24 9:00	0:16	0.5		0.0	0.0
	Requirements vs. Reality - Design Capacity Compared to Real World Observations	8/14/24 14:10	8/14/24 14:35	0:25	0.5		0.5	0.5
	Indiana Law and Statutes	8/14/24 15:37	8/14/24 15:39	0:01		0.0	0.0	0.0
	Use of Pipe Storage System for Sustainable CSO Reduction	8/14/24 15:57	8/14/24 16:26	0:28	0.5		0.5	0.5
	Sustained 60 MGD? Sure, why not!	8/15/24 10:16	8/15/24 10:46	0:29	0.5		0.5	0.5
	Contrasting Design Considerations: Municipal Vs Industrial WWTPs	8/15/24 10:55	8/15/24 11:25	0:30		0.5	0.5	0.5
	UPDATED - Emergency Replacement of a Blower During a Planning Project at the Wyoming Clean Water Plant	8/15/24 11:27	8/15/24 11:57	0:29	0.5		0.5	0.5
Rosenow, Anastasia								
	Credits Requested:		Total C	redits Earned	7.0	0.5	7.5	7.5
	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
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	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	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
Roskowski, Brian					4 -			
	Credits Requested:			redits Earned	1.5	0.0	1.5	1.5
	Benefits of Big Bubble Mixing	8/14/24 8:29	8/14/24 9:00	0:30	0.5		0.5	0.5
	Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer	8/14/24 10:30	8/14/24 11:05	0:35	0.5		0.5	0.5
	Requirements vs. Reality - Design Capacity Compared to Real World Observations	8/14/24 14:04	8/14/24 14:35	0:31	0.5		0.5	0.5
Roudebush, Robert "Bob"								
	Credits Requested: Waster	vater	Total C	Credits Earned	5.0	2.0	7.0	7.0
	PFAS Regulations Impact on the Future of Land Application	8/13/24 13:28	8/13/24 13:56	0:28	0.5		0.5	0.5
	Optimizing Final Clarifiers – From Concept to Demonstrated Performance	8/13/24 14:03	8/13/24 14:29	0:26	0.5		0.5	0.5
	Total Nitrogen Treatment – What is Required vs. What is Realistic	8/13/24 15:02	8/13/24 15:27	0:25	0.5		0.5	0.5
	IDEM Update	8/13/24 15:55	8/13/24 16:27	0:32		0.5	0.5	0.5
	Forecasting Urban Water Escherichia coli Contamination Using Machine Learning Models	8/13/24 16:31	8/13/24 17:00	0:29		0.5	0.5	0.5
	50 Years Later and SND Still Works	8/14/24 13:32	8/14/24 14:01	0:29	0.5		0.5	0.5

	A Gen Z Perspective on the Wastewater Industry	8/14/24 15:21	8/14/24 15:55	0:33		0.5	0.5	0.5
	Tips for Labs that you may not know	8/15/24 7:55	8/15/24 8:30	0:35	0.5		0.5	0.5
	IWEA WASTEWATER LABORATORY ANALYST CERTIFICATION	8/15/24 8:33	8/15/24 9:01	0:28		0.5	0.5	0.5
	Flexing Your Procurement Muscle	8/15/24 9:08	8/15/24 9:38	0:29	0.5		0.5	0.5
	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 10:57	8/15/24 11:55	0:58	1.0		1.0	1.0
Russell, Shane	Credits Requested: Drinkin	ng Water, Wastewater	Total C	Credits Earned	0.0	1.0	1.0	1.0
	Getting the Next Generation Excited about Wastewater	8/14/24 15:57	8/14/24 16:25	0:27		0.5	0.5	0.5
	Wastewater Challenge Demonstration	8/14/24 16:28	8/14/24 16:55	0:27		0.5	0.5	0.5
Ruston, Gary								
	Credits Requested: PDHs		Total C	Credits Earned	4.0	1.5	5.5	5.5
	PFAS Regulations Impact on the Future of Land Application	8/13/24 13:28	8/13/24 13:57	0:28	0.5		0.5	0.5
	Optimizing Final Clarifiers – From Concept to Demonstrated Performance	8/13/24 14:03	8/13/24 14:29	0:26	0.5		0.5	0.5
	Grit Happens: Conquering Startup Challenges during a WWTP Upgrade	8/13/24 15:01	8/13/24 15:28	0:26		0.5	0.5	0.5
	IDEM Update	8/13/24 15:57	8/13/24 16:27	0:30		0.5	0.5	0.5
	WWTP Non-Potable Water Systems – The Neglected Plant Process	8/14/24 9:26	8/14/24 10:00	0:33	0.5		0.5	0.5
	Lafayette Prairie Oaks Pipeline Rehab	8/14/24 15:16	8/14/24 15:55	0:39	0.5		0.5	0.5
	Wastewater Challenge Demonstration	8/14/24 16:30	8/14/24 16:55	0:24	•	0.5	0.5	0.5
	Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges	8/15/24 9:44	8/15/24 10:15	0:30	0.5		0.5	0.5

	Keeping pace with current dynamic state of UV disinfection. An overview of different style UV systems, and what are the drivers when picking between technologies.	8/15/24 10:14	8/15/24 11:30	1:15	1.0		1.0	1.0
	It's Raining N! The Future of Total Nitrogen Limits	8/15/24 11:30	8/15/24 11:55	0:25	0.5		0.5	0.5
Saavedra, Karen								
	Credits Requested: PDHs			redits Earned	7.5	3.0	10.5	10.5
	Welcome & Keynote Address	8/13/24 8:00	8/13/24 9:00	0:59		1.0	1.0	1.0
	Conversion of an underutilized combined sewer to a storm sewer	8/13/24 10:31	8/13/24 11:10	0:38	0.5		0.5	0.5
	In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana	8/13/24 11:09	8/13/24 11:49	0:39	0.5		0.5	0.5
	Optimizing Final Clarifiers – From Concept to Demonstrated Performance	8/13/24 14:03	8/13/24 14:29	0:26	0.5		0.5	0.5
	Grit Happens: Conquering Startup Challenges during a WWTP Upgrade	8/13/24 14:59	8/13/24 15:28	0:28		0.5	0.5	0.5
	SRF Basics	8/13/24 16:00	8/13/24 16:29	0:29		0.5	0.5	0.5
	Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer	8/14/24 7:52	8/14/24 8:23	0:30	0.5		0.5	0.5
	Hydraulic Modeling - What is it good for?	8/14/24 8:26	8/14/24 9:00	0:34	0.5		0.5	0.5
	WWTP Non-Potable Water Systems – The Neglected Plant Process	8/14/24 9:27	8/14/24 10:00	0:33	0.5		0.5	0.5
	Unveiling the Power of Regionalization: A Strategic Approach for Success	8/14/24 10:34	8/14/24 11:04	0:29		0.5	0.5	0.5
	Foster Park Relief Sewer – Indian Village CSO 005 Connection	8/14/24 13:26	8/14/24 14:00	0:34	0.5		0.5	0.5
	Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana	8/14/24 14:02	8/14/24 14:30	0:28	0.5		0.5	0.5
	Lafayette Prairie Oaks Pipeline Rehab	8/14/24 15:15	8/14/24 15:55	0:39	0.5		0.5	0.5

	Use of Pipe Storage System for Sustainable CSO Reduction	8/14/24 15:50	8/14/24 16:26	0:35	0.5		0.5	0.5
	Back to Basics: Review of UV Disinfection	8/15/24 8:32	8/15/24 9:06	0:33	0.5		0.5	0.5
	Primary Clarifier Sludge and Scum	8/15/24 9:11	8/15/24 9:40	0:28	0.5		0.5	0.5
	Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges	8/15/24 9:42	8/15/24 10:15	0:32	0.5		0.5	0.5
	Sustained 60 MGD? Sure, why not!	8/15/24 10:14	8/15/24 10:46	0:32	0.5		0.5	0.5
	Contrasting Design Considerations: Municipal Vs Industrial WWTPs	8/15/24 10:54	8/15/24 11:25	0:30		0.5	0.5	0.5
	It's Raining N! The Future of Total Nitrogen Limits	8/15/24 11:26	8/15/24 11:56	0:29	0.5		0.5	0.5
Sahm, Brian	Credits Requested:		Total C	redits Earned	1.5	0.0	1.0	1.0
	· ·		Total C	reuits Earneu	1.5	0.0		
	Energy Efficient Retrofits of Oxidation ditches	8/14/24 8:16	8/14/24 8:26	0:09	0.5		0.0	0.0
	WWTP Non-Potable Water Systems – The Neglected Plant Process	8/14/24 9:26	8/14/24 10:00	0:33	0.5		0.5	0.5
	50 Years Later and SND Still Works	8/14/24 13:26	8/14/24 14:01	0:35	0.5		0.5	0.5
Sailor, Dustin					0.5	0.0	44.5	44.5
	Credits Requested: PDHs		Total C	redits Earned	3.5	8.0	11.5	11.5
	Workforce Development Roundtable	8/13/24 9:10	8/13/24 10:15	1:04		1.0	1.0	1.0
	Critical Maintenance Techniques Your Plant may be over looking	8/13/24 10:26	8/13/24 11:41	1:15	1.0		1.0	1.0
	Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks	8/13/24 13:27	8/13/24 13:54	0:26		0.5	0.5	0.5
	Regional Stormwater Detention Basins – Treating urban runoff outside your project	8/13/24 14:03	8/13/24 14:31	0:28		0.5	0.5	0.5
	Benefits of Partnering to Reduce Inflow and Infiltration	8/13/24 15:04	8/13/24 15:25	0:21	0.5		0.5	0.5
	IDEM Update	8/13/24 15:54	8/13/24 16:27	0:32		0.5	0.5	0.5
	The Need to Understand and Manage Water Availability within Basins in Indiana	8/13/24 16:30	8/13/24 16:57	0:26		0.5	0.5	0.5

	Mastering the Art of Master Planning	8/14/24 7:57	8/14/24 9:00	1:03	1.0		1.0	1.0
	Rate inequity: are your residents subsidizing the growth in your community?	8/14/24 9:28	8/14/24 10:30	1:01		1.0	1.0	1.0
	Unveiling the Power of Regionalization: A Strategic Approach for Success	8/14/24 10:30	8/14/24 11:04	0:33		0.5	0.5	0.5
	Ethics in Engineering	8/14/24 13:25	8/14/24 14:30	1:05		1.0	1.0	1.0
	Indiana Law and Statutes	8/14/24 15:11	8/14/24 16:22	1:10		1.0	1.0	1.0
	Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket	8/14/24 16:30	8/14/24 16:58	0:27	0.5		0.5	0.5
	Emergency Preparedness and Procedures	8/15/24 8:31	8/15/24 9:10	0:38		0.5	0.5	0.5
	Flexing Your Procurement Muscle	8/15/24 9:09	8/15/24 9:38	0:28	0.5		0.5	0.5
	City of Kalamazoo's Holistic Approach to Selecting New Process Technologies	8/15/24 9:44	8/15/24 10:50	1:05		1.0	1.0	1.0
ajjad, Shaiza	Credits Requested: PDHs		Total C	redits Earned	0.5	0.5	1.0	1.0
	Lafayette Prairie Oaks Pipeline	8/14/24 15:17	8/14/24 15:55	0:38	0.5		0.5	0.5
	Rehab							
	Rehab 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
amuelson, Amy	Getting the Next Generation Excited about Wastewater		8/14/24 16:25		0.5		0.5	0.5
amuelson, Amy	Getting the Next Generation		8/14/24 16:25	0:29 redits Earned	8.5	3.5		
amuelson, Amy	Getting the Next Generation Excited about Wastewater		8/14/24 16:25		8.5		0.5	0.5
amuelson, Amy	Getting the Next Generation Excited about Wastewater Credits Requested: Conversion of an underutilized combined sewer to a storm	8/14/24 15:56	8/14/24 16:25 Total C	redits Earned			12.0	12.0
amuelson, Amy	Getting the Next Generation Excited about Wastewater Credits Requested: Conversion of an underutilized combined sewer to a storm sewer Advancing Better Water Policy and Strategies: The Indiana	8/14/24 15:56 8/13/24 10:30	8/14/24 16:25 Total C 8/13/24 11:10	redits Earned 0:39		3.5	0.5 12.0 0.5	0.5
amuelson, Amy	Getting the Next Generation Excited about Wastewater Credits Requested: Conversion of an underutilized combined sewer to a storm sewer Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap PFAS Regulations Impact on the	8/14/24 15:56 8/13/24 10:30 8/13/24 11:08	8/14/24 16:25 Total C 8/13/24 11:10 8/13/24 11:42	0:39	0.5	3.5	0.5 12.0 0.5	0.5 12.0 0.5
amuelson, Amy	Getting the Next Generation Excited about Wastewater Credits Requested: Conversion of an underutilized combined sewer to a storm sewer Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap PFAS Regulations Impact on the Future of Land Application Optimizing Final Clarifiers — From Concept to Demonstrated	8/14/24 15:56 8/13/24 10:30 8/13/24 11:08 8/13/24 13:20	8/14/24 16:25 Total C 8/13/24 11:10 8/13/24 11:42 8/13/24 13:57	0:39 0:33 0:36	0.5	3.5	0.5 12.0 0.5 0.5	0.5 12.0 0.5 0.5

The Need to Understand and Manage Water Availability within Basins in Indiana	8/13/24 16:30	8/13/24 16:57	0:26		0.5	0.5	0.5
Energy Efficient Retrofits of Oxidation ditches	8/14/24 7:56	8/14/24 8:26	0:29	0.5		0.5	0.5
Hydraulic Modeling - What is it good for?	8/14/24 8:27	8/14/24 9:00	0:33	0.5		0.5	0.5
WWTP Non-Potable Water Systems – The Neglected Plant Process	8/14/24 9:26	8/14/24 10:00	0:34	0.5		0.5	0.5
North Interceptor Sewer - Danville, IN	8/14/24 10:04	8/14/24 10:35	0:31	0.5		0.5	0.5
Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer	8/14/24 10:26	8/14/24 11:05	0:39	0.5		0.5	0.5
Foster Park Relief Sewer – Indian Village CSO 005 Connection	8/14/24 13:29	8/14/24 14:00	0:30	0.5		0.5	0.5
Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana	8/14/24 14:02	8/14/24 14:30	0:27	0.5		0.5	0.5
Enforcement Response Plan, Violations, and Significant Non- Compliance	8/14/24 15:19	8/14/24 16:15	0:55	1.0		1.0	1.0
Enhancing the absorption capacity of GAC to remove PFAS from water	8/14/24 16:29	8/14/24 16:55	0:25	0.5		0.5	0.5
Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility	8/15/24 7:57	8/15/24 8:30	0:33		0.5	0.5	0.5
Back to Basics: Review of UV Disinfection	8/15/24 8:28	8/15/24 9:06	0:38	0.5		0.5	0.5
Primary Clarifier Sludge and Scum	8/15/24 9:07	8/15/24 9:40	0:32	0.5		0.5	0.5
City of Kalamazoo's Holistic Approach to Selecting New Process Technologies	8/15/24 9:38	8/15/24 10:50	1:11		1.0	1.0	1.0
Contrasting Design Considerations: Municipal Vs Industrial WWTPs	8/15/24 10:58	8/15/24 11:25	0:26		0.5	0.5	0.5

	It's Raining N! The Future of Total Nitrogen Limits	8/15/24 11:21	8/15/24 11:56	0:34	0.5		0.5	0.5
Sanford, Jordan	Credits Requested:		Total C	redits Earned	0.0	0.5	0.5	0.5
	Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis	8/13/24 13:26	8/13/24 14:01	0:35		0.5	0.5	0.5
Sanzone, Carleen	Credits Requested:		Total C	redits Earned	5.5	2.5	8.0	8.0
	Operator Certification Update	8/13/24 10:31	8/13/24 11:06	0:35		0.5	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
SATTISON, TODD	Credits Requested: Waste	water	8/14/24 16:15 1:00 1.0 1.0			3.0		
	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
	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
avick, Kimberlee	Credits Requested:		Total C	redits Earned	1.0	0.5	1.5	1.5
	Challenges In The Field	8/14/24 10:05	8/14/24 10:57	0:51	1.0	0.5	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
awyer, Christie	Cuadita Paguastada Masta		Total C	redits Earned	10.5	3.5	14.0	14.0
	Credits Requested: Waster Welcome & Keynote Address	8/13/24 7:49	8/13/24 9:00	1:10	10.5	1.0	1.0	1.0
	Workforce Development Roundtable	8/13/24 9:10	8/13/24 10:15	1:04		1.0	1.0	1.0
	Critical Maintenance Techniques Your Plant may be over looking	8/13/24 10:34	8/13/24 11:42	1:07	1.0		1.0	1.0
	Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities	8/13/24 13:19	8/13/24 13:59	0:40	0.5		0.5	0.5
	Optimizing Final Clarifiers – From Concept to Demonstrated Performance	8/13/24 14:02	8/13/24 14:30	0:27	0.5		0.5	0.5
	Benefits of Partnering to Reduce Inflow and Infiltration	8/13/24 14:48	8/13/24 15:25	0:36	0.5		0.5	0.5
	The Danish story of using low- hanging-fruit to reduce energy, carbon, and resourcesgy and carbon	8/13/24 15:52	8/13/24 16:56	1:03	1.0		1.0	1.0
	Energy Efficient Retrofits of Oxidation ditches	8/14/24 7:51	8/14/24 8:26	0:34	0.5		0.5	0.5
	Benefits of Big Bubble Mixing	8/14/24 8:31	8/14/24 9:00	0:28	0.5		0.5	0.5
	WWTP Non-Potable Water Systems – The Neglected Plant Process	8/14/24 9:28	8/14/24 10:00	0:31	0.5		0.5	0.5
	Using your data and SCADA for maintenance and savings	8/14/24 10:04	8/14/24 11:00	0:56		1.0	1.0	1.0
	50 Years Later and SND Still Works	8/14/24 13:25	8/14/24 14:01	0:36	0.5		0.5	0.5

	Requirements vs. Reality - Design Capacity Compared to Real World Observations	8/14/24 14:03	8/14/24 14:35	0:32	0.5		0.5	0.5
	Adaptive mixing and process optimization with energy savings	8/14/24 15:17	8/14/24 15:50	0:33	0.5		0.5	0.5
	Use of Pipe Storage System for Sustainable CSO Reduction	8/14/24 15:58	8/14/24 16:26	0:27	0.5		0.5	0.5
	Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket	8/14/24 16:27	8/14/24 16:55	0:27	0.5		0.5	0.5
	Ultra-Low Phosphorus Limits	8/15/24 7:48	8/15/24 8:30	0:41	0.5		0.5	0.5
	Informed Decision-Making for Electrical and Controls Systems	8/15/24 8:32	8/15/24 9:39	1:06	1.0		1.0	1.0
	Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges	8/15/24 9:39	8/15/24 10:15	0:35	0.5		0.5	0.5
	Sustained 60 MGD? Sure, why not!	8/15/24 10:13	8/15/24 10:46	0:33	0.5		0.5	0.5
	Contrasting Design Considerations: Municipal Vs Industrial WWTPs	8/15/24 10:53	8/15/24 11:25	0:31		0.5	0.5	0.5
	Grit Happens - Sustainable Solutions for Grit Management At WWTPs	8/15/24 11:21	8/15/24 11:55	0:34	0.5		0.5	0.5
Sawyer, George								
	Credits Requested: Waste	water	Total C	redits Earned	10.0	3.5	13.5	13.5
	Welcome & Keynote Address	8/13/24 7:49	8/13/24 9:00	1:10		1.0	1.0	1.0
	Workforce Development Roundtable	8/13/24 9:10	8/13/24 10:15	1:04		1.0	1.0	1.0
	Critical Maintenance Techniques Your Plant may be over looking	8/13/24 10:31	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	8/13/24 14:05	8/13/24 14:30	0:24	0.5		0.5	0.5
	Performance							
	Performance 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
	Total Nitrogen Treatment – What is Required vs. What is	8/13/24 14:52 8/13/24 15:57	8/13/24 15:27 8/13/24 16:55	0:34	0.5		1.0	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
	Using your data and SCADA for maintenance and savings	8/14/24 10:11	8/14/24 11:01	0:49		1.0	1.0	1.0
	50 Years Later and SND Still Works	8/14/24 13:25	8/14/24 14:01	0:36	0.5		0.5	0.5
	Requirements vs. Reality - Design Capacity Compared to Real World Observations	8/14/24 14:03	8/14/24 14:35	0:32	0.5		0.5	0.5
	Adaptive mixing and process optimization with energy savings	8/14/24 15:17	8/14/24 15:50	0:33	0.5		0.5	0.5
	Use of Pipe Storage System for Sustainable CSO Reduction	8/14/24 15:50	8/14/24 16:26	0:35	0.5		0.5	0.5
	Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket	8/14/24 16:27	8/14/24 16:55	0:27	0.5		0.5	0.5
	Ultra-Low Phosphorus Limits	8/15/24 7:51	8/15/24 8:30	0:39	0.5		0.5	0.5
	Informed Decision-Making for Electrical and Controls Systems	8/15/24 8:33	8/15/24 9:39	1:06	1.0		1.0	1.0
	Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges	8/15/24 9:39	8/15/24 10:15	0:35	0.5		0.5	0.5
	Sustained 60 MGD? Sure, why not!	8/15/24 10:13	8/15/24 10:46	0:33	0.5		0.5	0.5
	Contrasting Design Considerations: Municipal Vs Industrial WWTPs	8/15/24 10:53	8/15/24 11:25	0:31		0.5	0.5	0.5
	Grit Happens - Sustainable Solutions for Grit Management At WWTPs	8/15/24 11:21	8/15/24 11:55	0:34	0.5		0.5	0.5
Sawyer, Ronnie								
	Credits Requested: Waster	water	Total C	redits Earned	3.5	2.0	5.5	5.5
	Welcome & Keynote Address	8/13/24 7:49	8/13/24 9:00	1:10		1.0	1.0	1.0
	Workforce Development Roundtable	8/13/24 9:10	8/13/24 10:15	1:04		1.0	1.0	1.0
	Critical Maintenance Techniques Your Plant may be over looking	8/13/24 10:27	8/13/24 11:42	1:14	1.0		1.0	1.0
	Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities	8/13/24 13:19	8/13/24 13:59	0:39	0.5		0.5	0.5

	Optimizing Final Clarifiers – From Concept to Demonstrated Performance	8/13/24 14:04	8/13/24 14:30	0:25	0.5		0.5	0.5
	Benefits of Partnering to Reduce Inflow and Infiltration	8/13/24 14:48	8/13/24 15:25	0:36	0.5		0.5	0.5
	Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits	8/13/24 15:53	8/13/24 16:55	1:01	1.0		1.0	1.0
Scales, Andy	Credits Requested:		Total C	redits Earned	0.5	0.5	1.0	1.0
	Conversion of an underutilized combined sewer to a storm sewer	8/13/24 10:33	8/13/24 11:10	0:36	0.5	0.0	0.5	0.5
	Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap	8/13/24 11:09	8/13/24 11:43	0:33		0.5	0.5	0.5
Schaeffer, Nichie	Credits Requested: PDHs		Total C	redits Earned	4.0	0.0	4.0	4.0
	Water Treatment Regulatory Terms & Definitions	8/14/24 9:26	8/14/24 10:00	0:33	0.5	0.0	0.5	0.5
	Challenges In The Field	8/14/24 10:02	8/14/24 10:57	0:54	1.0		1.0	1.0
	21ST Century FOG Management	8/14/24 13:17	8/14/24 14:00	0:42	0.5		0.5	0.5
	IU Permits and Applying the Combined Wastestream Formula	8/14/24 14:06	8/14/24 14:35	0:29	0.5		0.5	0.5
	Transforming Compliance Using Collaborative Technology	8/14/24 16:21	8/14/24 16:57	0:36	0.5		0.5	0.5
	Enforcement Response Plan, Violations, and Significant Non- Compliance	8/14/24 15:20	8/14/24 16:27	1:06	1.0		1.0	1.0
Schelling, Natalie	Credits Requested: PDHs		Total C	redits Earned	6.0	7.0	13.0	13.0
	Welcome & Keynote Address	8/13/24 7:47	8/13/24 9:00	1:13	0.0	1.0	1.0	1.0
	Workforce Development Roundtable	8/13/24 9:10	8/13/24 10:15	1:04		1.0	1.0	1.0
	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 Al, GIS & Digital Twins to Drive Smarter Sewer Inspections	8/14/24 9:29	8/14/24 10:00	0:30	0.5		0.5	0.5
North Interceptor Sewer - Danville, IN	8/14/24 10:01	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
Schilling, Cherylynn	Credits Requested: PDHs		Total C	Credits Earned	1.0	0.0	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
	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
chmid, Thomas	Credits Requested: PDHs		Total C	Credits Earned	1.0	1.0	2.0	2.0
	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	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
	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
Schmitt, Jeremy	Cuadita Resusante de PRUS		Tatal C	Sundite Formerd	6.0	2.5	9.5	9.5
	Credits Requested: PDHs		ı otal C	Credits Earned	6.0	3.5	9.5	9.5
	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	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	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
	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 10:31	8/14/24 11:04	0:33		0.5	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	0.5
	Grit Happens - Sustainable Solutions for Grit Management At WWTPs	8/15/24 11:22	8/15/24 11:55	0:33	0.5		0.5	0.5
Schortgen, Zach	Credits Requested: Waster	water, PDHs	Total C	redits Earned	7.0	4.0	11.0	11.0
	Biosolids: Fail to Plan; Plan to Fail	8/13/24 10:40	8/13/24 11:41	1:01	1.0		1.0	1.0
	PFAS Regulations Impact on the Future of Land Application	8/13/24 13:26	8/13/24 13:57	0:30	0.5		0.5	0.5
	Optimizing Final Clarifiers – From Concept to Demonstrated Performance	8/13/24 14:05	8/13/24 14:30	0:24	0.5		0.5	0.5

	Total Nitrogen Treatment – What is Required vs. What is Realistic	8/13/24 14:53	8/13/24 15:27	0:33	0.5		0.5	0.5
	IDEM Update	8/13/24 15:57	8/13/24 16:27	0:30		0.5	0.5	0.5
	The Need to Understand and Manage Water Availability within Basins in Indiana	8/13/24 16:32	8/13/24 16:58	0:26		0.5	0.5	0.5
	Mastering the Art of Master Planning	8/14/24 8:00	8/14/24 9:00	1:00	1.0		1.0	1.0
	North Interceptor Sewer - Danville, IN	8/14/24 10:05	8/14/24 10:35	0:29	0.5		0.5	0.5
	Unveiling the Power of Regionalization: A Strategic Approach for Success	8/14/24 10:34	8/14/24 11:04	0:29		0.5	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	0.5
	Getting the Next Generation Excited about Wastewater	8/14/24 15:58	8/14/24 16:25	0:26		0.5	0.5	0.5
	Transforming Compliance Using Collaborative Technology	8/14/24 16:29	8/14/24 16:57	0:28	0.5		0.5	0.5
	Ultra-Low Phosphorus Limits	8/15/24 7:55	8/15/24 8:30	0:34	0.5		0.5	0.5
	Back to Basics: Review of UV Disinfection	8/15/24 8:34	8/15/24 9:06	0:32	0.5		0.5	0.5
	Primary Clarifier Sludge and Scum	8/15/24 9:09	8/15/24 9:40	0:30	0.5		0.5	0.5
	City of Kalamazoo's Holistic Approach to Selecting New Process Technologies	8/15/24 9:41	8/15/24 10:50	1:09		1.0	1.0	1.0
	Contrasting Design Considerations: Municipal Vs Industrial WWTPs	8/15/24 10:57	8/15/24 11:25	0:27		0.5	0.5	0.5
Schutte, Matt								
	Credits Requested:		Total C	redits Earned	1.0	1.5	2.5	2.5
	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
		0, 1 ., 2 . 10.01	5, 1 ., 2 . 11.04					

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	Foster Park Relief Sewer – Indian Village CSO 005 Connection	8/14/24 13:34	8/14/24 14:00	0:26	0.5		0.5	0.5
	Requirements vs. Reality - Design Capacity Compared to Real World Observations	8/14/24 14:03	8/14/24 14:35	0:32	0.5		0.5	0.5
Scott, lan								
	Credits Requested: PDHs		Total C	redits Earned	3.5	0.5	4.0	4.0
	Adapt and Overcome: Challenges of Rehabilitating a 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
Selig, Joshua					4.5			
	Credits Requested: PDHs		Total C	redits Earned	1.0	0.0	1.0	1.0
	Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections	8/14/24 9:24	8/14/24 10:00	0:35	0.5		0.5	0.5
	Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer	8/14/24 10:28	8/14/24 11:05	0:37	0.5		0.5	0.5
Selking, Lauren					4.6			
	Credits Requested:		Total C	redits Earned	1.0	0.0	1.0	1.0
	Fail	8/13/24 10:45	8/13/24 11:41	0:56	1.0		1.0	1.0

Serowka, Edward	Credits Requested:		Total C	redits Earned	2.0	1.5	3.5	3.5
	Mastering the Art of Master Planning	8/14/24 7:52	8/14/24 9:00	1:08	1.0		1.0	1.0
	Rate inequity: are your residents subsidizing the growth in your community?	8/14/24 9:23	8/14/24 10:30	1:06		1.0	1.0	1.0
	Unveiling the Power of Regionalization: A Strategic Approach for Success	8/14/24 10:32	8/14/24 11:04	0:32		0.5	0.5	0.5
	50 Years Later and SND Still Works	8/14/24 13:25	8/14/24 14:01	0:36	0.5		0.5	0.5
	Requirements vs. Reality - Design Capacity Compared to Real World Observations	8/14/24 14:03	8/14/24 14:35	0:32	0.5		0.5	0.5
hane, Serena	Credits Requested:		Total C	redits Earned	7.0	4.0	11.0	11.0
	Welcome & Keynote Address	8/13/24 7:55	8/13/24 9:00	1:05		1.0	1.0	1.0
	Operator Certification Update	8/13/24 10:44	8/13/24 11:10	0:26		0.5	0.5	0.5
	Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap	8/13/24 11:07	8/13/24 11:43	0:35		0.5	0.5	0.5
	Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks	8/13/24 13:24	8/13/24 13:54	0:29		0.5	0.5	0.5
	Optimizing Final Clarifiers – From Concept to Demonstrated Performance	8/13/24 14:00	8/13/24 14:30	0:29	0.5		0.5	0.5
	IDEM Update	8/13/24 16:00	8/13/24 16:27	0:27		0.5	0.5	0.5
	The Need to Understand and Manage Water Availability within Basins in Indiana	8/13/24 16:32	8/13/24 16:58	0:26		0.5	0.5	0.5
	Out In The Field Not In A Book	8/14/24 8:00	8/14/24 8:57	0:56	1.0		1.0	1.0
	Water Treatment Regulatory Terms & Definitions	8/14/24 9:25	8/14/24 10:00	0:34	0.5		0.5	0.5
	Challenges In The Field	8/14/24 10:02	8/14/24 10:57	0:54	1.0		1.0	1.0
	IU Permits and Applying the Combined Wastestream Formula	8/14/24 14:07	8/14/24 14:35	0:27	0.5		0.5	0.5
	Enforcement Response Plan, Violations, and Significant Non- Compliance	8/14/24 15:16	8/14/24 16:15	0:58	1.0		1.0	1.0
	Tips for Labs that you may not know	8/15/24 7:54	8/15/24 8:30	0:36	0.5		0.5	0.5

	IWEA WASTEWATER LABORATORY ANALYST CERTIFICATION	8/15/24 8:34	8/15/24 9:01	0:27		0.5	0.5	0.5
	Basics of pH	8/15/24 9:44	8/15/24 10:15	0:31	0.5		0.5	0.5
	A case for better lab results	8/15/24 10:15	8/15/24 10:47	0:31	0.5		0.5	0.5
	Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories	8/15/24 10:57	8/15/24 11:55	0:58	1.0		1.0	1.0
Sharpe, Alex	Credits Requested:		Total C	redits Earned	2.0	0.0	2.0	2.0
	Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer	8/14/24 7:52	8/14/24 8:23	0:30	0.5	0.0	0.5	0.5
	Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections	8/14/24 9:25	8/14/24 10:00	0:34	0.5		0.5	0.5
	North Interceptor Sewer - Danville, IN	8/14/24 10:09	8/14/24 10:35	0:26	0.5		0.5	0.5
	Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer	8/14/24 10:30	8/14/24 11:05	0:35	0.5		0.5	0.5
Sheehan, Alexis								
	Credits Requested:		Total C	redits Earned	3.5	2.0	5.5	5.5
	Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis	8/13/24 13:27	8/13/24 14:01	0:33		0.5	0.5	0.5
	Optimizing Final Clarifiers – From Concept to Demonstrated Performance	8/13/24 14:04	8/13/24 14:30	0:25	0.5		0.5	0.5
	Total Nitrogen Treatment – What is Required vs. What is Realistic	8/13/24 14:59	8/13/24 15:27	0:27	0.5		0.5	0.5
	The Danish story of using low- hanging-fruit to reduce energy, carbon, and resourcesgy and carbon	8/13/24 15:58	8/13/24 16:56	0:57	1.0		1.0	1.0
	Using your data and SCADA for maintenance and savings	8/14/24 10:04	8/14/24 11:00	0:56		1.0	1.0	1.0
	50 Years Later and SND Still Works	8/14/24 13:30	8/14/24 14:02	0:31	0.5		0.5	0.5

	Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana	8/14/24 14:04	8/14/24 14:30	0:25	0.5		0.5	0.5
	A Gen Z Perspective on the Wastewater Industry	8/14/24 15:16	8/14/24 15:55	0:39		0.5	0.5	0.5
	Use of Pipe Storage System for Sustainable CSO Reduction	8/14/24 15:57	8/14/24 16:26	0:28	0.5		0.5	0.5
Shelton, Lewis								
	Credits Requested: Drinkin	ng Water. Wastewater	Total C	redits Earned	8.0	4.5	12.5	12.5
	Welcome & Keynote Address	8/13/24 7:50	8/13/24 9:00	1:09		1.0	1.0	1.0
	Critical Maintenance Techniques Your Plant may be over looking	8/13/24 10:36	8/13/24 11:42	1:05	1.0		1.0	1.0
	PFAS Regulations Impact on the Future of Land Application	8/13/24 13:29	8/13/24 13:57	0:27	0.5		0.5	0.5
	Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants	8/13/24 14:03	8/13/24 14:28	0:25	0.5		0.5	0.5
	Total Nitrogen Treatment – What is Required vs. What is Realistic	8/13/24 15:02	8/13/24 15:27	0:25	0.5		0.5	0.5
	IDEM Update	8/13/24 15:54	8/13/24 16:27	0:33		0.5	0.5	0.5
	The Need to Understand and Manage Water Availability within Basins in Indiana	8/13/24 16:31	8/13/24 16:57	0:26		0.5	0.5	0.5
	Energy Efficient Retrofits of Oxidation ditches	8/14/24 7:55	8/14/24 8:26	0:30	0.5		0.5	0.5
	Hydraulic Modeling - What is it good for?	8/14/24 8:29	8/14/24 9:00	0:31	0.5		0.5	0.5
	Rate inequity: are your residents subsidizing the growth in your community?	8/14/24 9:28	8/14/24 10:30	1:01		1.0	1.0	1.0
	Unveiling the Power of Regionalization: A Strategic Approach for Success	8/14/24 10:33	8/14/24 11:04	0:30		0.5	0.5	0.5
	Foster Park Relief Sewer – Indian Village CSO 005 Connection	8/14/24 13:32	8/14/24 14:00	0:28	0.5		0.5	0.5
	CONTROLLON							

	Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana	8/14/24 14:04	8/14/24 14:30	0:26	0.5		0.5	0.5
	A Gen Z Perspective on the Wastewater Industry	8/14/24 15:18	8/14/24 15:55	0:36		0.5	0.5	0.5
	Use of Pipe Storage System for Sustainable CSO Reduction	8/14/24 15:55	8/14/24 16:26	0:30	0.5		0.5	0.5
	Leading Change	8/14/24 16:28	8/14/24 16:58	0:29		0.5	0.5	0.5
	Tips for Labs that you may not know	8/15/24 7:59	8/15/24 8:30	0:31	0.5		0.5	0.5
	IWEA WASTEWATER LABORATORY ANALYST CERTIFICATION	8/15/24 8:41	8/15/24 9:01	0:19		0.0	0.0	0.0
	Primary Clarifier Sludge and Scum	8/15/24 9:08	8/15/24 9:40	0:31	0.5		0.5	0.5
	Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges	8/15/24 9:41	8/15/24 10:15	0:33	0.5		0.5	0.5
	A case for better lab results	8/15/24 10:18	8/15/24 10:47	0:28	0.5		0.5	0.5
	Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories	8/15/24 11:01	8/15/24 11:55	0:53	1.0		1.0	1.0
ields, Jim								
	Credits Requested: PDHs		Total C	redits Earned	8.0	5.5	13.5	13.5
	Welcome & Keynote Address	8/13/24 8:05	8/13/24 9:00	0:54		1.0	1.0	1.0
	Workforce Development Roundtable	8/13/24 9:10	8/13/24 10:15	1:04		1.0	1.0	1.0
	Biosolids: Fail to Plan; Plan to Fail	8/13/24 10:37	8/13/24 11:41	1:03	1.0		1.0	1.0
	Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities	8/13/24 13:31	8/13/24 13:59	0:28	0.5		0.5	0.5
	Optimizing Final Clarifiers – From Concept to Demonstrated Performance	8/13/24 14:04	8/13/24 14:30	0:25	0.5		0.5	0.5
	Grit Happens: Conquering Startup Challenges during a WWTP Upgrade	8/13/24 15:00	8/13/24 15:28	0:27		0.5	0.5	0.5
	SRF Basics	8/13/24 15:56	8/13/24 16:29	0:33		0.5	0.5	0.5
	Forecasting Urban Water Escherichia coli Contamination Using Machine Learning Models	8/13/24 16:27	8/13/24 17:00	0:33		0.5	0.5	0.5

	Mastering the Art of Master Planning	8/14/24 7:59	8/14/24 9:00	1:01	1.0		1.0	1.0
	Rate inequity: are your residents subsidizing the growth in your community?	8/14/24 9:30	8/14/24 10:30	0:59		1.0	1.0	1.0
	Unveiling the Power of Regionalization: A Strategic Approach for Success	8/14/24 10:31	8/14/24 11:04	0:32		0.5	0.5	0.5
	50 Years Later and SND Still Works	8/14/24 13:31	8/14/24 14:02	0:30	0.5		0.5	0.5
	Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana	8/14/24 14:05	8/14/24 14:30	0:25	0.5		0.5	0.5
	Lafayette Prairie Oaks Pipeline Rehab	8/14/24 15:17	8/14/24 15:55	0:38	0.5		0.5	0.5
	Use of Pipe Storage System for Sustainable CSO Reduction	8/14/24 15:49	8/14/24 16:26	0:36	0.5		0.5	0.5
	Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket	8/14/24 16:27	8/14/24 16:55	0:28	0.5		0.5	0.5
	Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility	8/15/24 7:56	8/15/24 8:30	0:34		0.5	0.5	0.5
	Back to Basics: Review of UV Disinfection	8/15/24 8:28	8/15/24 9:06	0:38	0.5		0.5	0.5
	Primary Clarifier Sludge and Scum	8/15/24 9:10	8/15/24 9:40	0:29	0.5		0.5	0.5
	Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges	8/15/24 9:40	8/15/24 10:15	0:34	0.5		0.5	0.5
	Keeping pace with current dynamic state of UV disinfection. An overview of different style UV systems, and what are the drivers when picking between technologies.	8/15/24 10:13	8/15/24 11:30	1:17	1.0		1.0	1.0
Shook, David	Credits Requested:		Total C	redits Earned	1.5	0.5	2.0	2.0
	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

	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
ulders, Ben								
	Credits Requested:		Total C	redits Earned	0.5	0.0	0.5	0.5
	Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana	8/14/24 14:04	8/14/24 14:30	0:26	0.5		0.5	0.5
der, Robin	Cua dita Da susa ata da a su su		T-4-1 C		E E	2.0	0.5	0.5
	Credits Requested: Drinkin			redits Earned	5.5	3.0	8.5	8.5
	Welcome & Keynote Address	8/13/24 7:55	8/13/24 9:00	1:04		1.0	1.0	1.0
	Workforce Development Roundtable	8/13/24 9:10	8/13/24 10:15	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
er, Macon						4.0	44 =	44 -
	Credits Requested: Waste			redits Earned	7.5	4.0	11.5	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

	Credits Requested:		Total C	redits Earned	2.0	4.0	6.0	6.0
, Ryan	Exploring 3D Printing Potential in Wastewater Laboratories	5, 25, 24 20.50	0, 20, 27 22.00	0.00				
	Pipes, Prints and Prototypes:	8/15/24 10:56	8/15/24 11:55	0:58	1.0		1.0	1.0
	A case for better lab results	8/15/24 10:20	8/15/24 10:47	0:26	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
	Primary Clarifier Sludge and Scum	8/15/24 9:11	8/15/24 9:40	0:28	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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

	Conversion of an underutilized combined sewer to a storm sewer	8/13/24 10:41	8/13/24 11:10	0:29	0.5		0.5	0.5
	In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana	8/13/24 11:07	8/13/24 11:49	0:42	0.5		0.5	0.5
	Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap	8/13/24 11:08	8/13/24 11:42	0:34		0.5	0.5	0.5
	Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis	8/13/24 13:31	8/13/24 14:01	0:29		0.5	0.5	0.5
	Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis	8/13/24 13:59	8/13/24 14:31	0:31		0.5	0.5	0.5
	Benefits of Partnering to Reduce Inflow and Infiltration	8/13/24 14:49	8/13/24 15:25	0:36	0.5		0.5	0.5
	IDEM Update	8/13/24 15:57	8/13/24 16:27	0:30		0.5	0.5	0.5
	The Need to Understand and Manage Water Availability within Basins in Indiana	8/13/24 16:31	8/13/24 16:57	0:26		0.5	0.5	0.5
	Mastering the Art of Master Planning	8/14/24 8:11	8/14/24 9:00	0:49	0.5		0.5	0.5
	Rate inequity: are your residents subsidizing the growth in your community?	8/14/24 9:29	8/14/24 10:30	1:00		1.0	1.0	1.0
	Unveiling the Power of Regionalization: A Strategic Approach for Success	8/14/24 10:34	8/14/24 11:04	0:29		0.5	0.5	0.5
Siedlecki, Kevin								
	Credits Requested: PDHs		Total C	redits Earned	2.5	3.0	5.5	5.5
	Conversion of an underutilized combined sewer to a storm sewer	8/13/24 10:35	8/13/24 11:10	0:34	0.5		0.5	0.5
	Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap	8/13/24 11:10	8/13/24 11:42	0:32		0.5	0.5	0.5
	Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis	8/13/24 13:32	8/13/24 14:01	0:28		0.5	0.5	0.5

Regional Stormwater Detention Basins – Treating urban runoff outside your project	8/13/24 14:03	8/13/24 14:31	0:27		0.5	0.5	0.5
Benefits of Partnering to Reduce Inflow and Infiltration	8/13/24 15:00	8/13/24 15:25	0:25	0.5		0.5	0.5
IDEM Update	8/13/24 15:58	8/13/24 16:27	0:29		0.5	0.5	0.5
Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer	8/14/24 7:55	8/14/24 8:23	0:27	0.5		0.5	0.5
Hydraulic Modeling - What is it good for?	8/14/24 8:26	8/14/24 9:00	0:34	0.5		0.5	0.5
Using Al, GIS & Digital Twins to Drive Smarter Sewer Inspections	8/14/24 9:30	8/14/24 10:00	0:29	0.5		0.5	0.5
Water and Wastewater Workforce Development – Is your community ready for the challenge?	8/14/24 13:31	8/14/24 14:30	0:58		1.0	1.0	1.0
Credits Requested:		Total C	redits Earned	1.0	0.0	1.0	1.0
Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories	8/15/24 10:58	8/15/24 11:55	0:56	1.0		1.0	1.0
				0.5	^ =	40.0	42.0
				9.5			13.0
Welcome & Keynote Address	8/13/24 7:50	8/13/24 9:00	1:09		1.0	1.0	1.0
Critical Maintenance Techniques Your Plant may be over looking	8/13/24 10:35	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
	Basins – Treating urban runoff outside your project Benefits of Partnering to Reduce Inflow and Infiltration IDEM Update Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer Hydraulic Modeling - What is it good for? Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections Water and Wastewater Workforce Development – Is your community ready for the challenge? Credits Requested: Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories Credits Requested: Wastew Welcome & Keynote Address Critical Maintenance Techniques Your Plant may be over looking PFAS Regulations Impact on the Future of Land Application Regional Stormwater Detention Basins – Treating urban runoff outside your project Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures Whole Effluent Toxicity (WET) Testing Requirements for	Basins – Treating urban runoff outside your project Benefits of Partnering to Reduce Inflow and Infiltration IDEM Update S/13/24 15:58 Adapt and Overcome: Challenges of Rehabilitating a 8/14/24 7:55 90-inch Sewer Hydraulic Modeling - What is it good for? Using Al, GIS & Digital Twins to B/14/24 9:30 Drive Smarter Sewer Inspections Water and Wastewater Workforce Development – Is your community ready for the challenge? Credits Requested: Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories Credits Requested: Welcome & Keynote Address Velcome & Keynote Address Critical Maintenance Techniques 8/13/24 10:35 Your Plant may be over looking PFAS Regulations Impact on the Future of Land Application Regional Stormwater Detention 8/13/24 13:25 Future of Land Application Regional Stormwater Detention 8/13/24 14:04 Basins – Treating urban runoff outside your project Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures Whole Effluent Toxicity (WET) Testing Requirements for 8/13/24 15:52	Basins – Treating urban runoff outside your project Benefits of Partnering to Reduce Inflow and Infiltration IDEM Update 8/13/24 15:58 8/13/24 16:27 Adapt and Overcome: Shuffler Sewer Individual Sewer Sewer Inspections Hydraulic Modeling - What is it good for? Using AI, GIS & Digital Twins to Brive Sewer Inspections Water and Wastewater Workforce Development – Is your community ready for the challenge? Credits Requested: Total C Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories Credits Requested: Wastewater Welcome & Keynote Address 8/13/24 10:58 8/13/24 10:55 Credits Requested: Total C Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories Credits Requested: Wastewater Welcome & Keynote Address 8/13/24 7:50 8/13/24 9:00 Critical Maintenance Techniques 8/13/24 10:35 8/13/24 10:35 8/13/24 11:42 Your Plant may be over looking PFAS Regulations Impact on the Future of Land Application Regional Stormwater Detention 8/13/24 13:25 8/13/24 13:57 Regional Stormwater Detention 8/13/24 14:04 8/13/24 13:57 Regional Stormwater Detention 8/13/24 15:03 8/13/24 15:28 and Participation Minimum Control Measures Whole Effluent Toxicity (WET) Testing Requirements for 8/13/24 15:52 8/13/24 16:55	Basins — Treating urban runoff outside your project Benefits of Partnering to Reduce Inflow and Infiltration IDEM Update 8/13/24 15:58 8/13/24 15:58 8/13/24 16:27 0:29 Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer Hydraulic Modeling - What is it good for? Using AI, GIS & Digital Twins to B/14/24 9:30 BY14/24 9:30 BY14/24 10:00 BY14/24	Basins – Treating urban runoff outside your project Benefits of Partnering to Reduce Inflow and Inflitration IDEM Update 8/13/24 15:58 8/13/24 16:27 0:29 Adapt and Overcome: Challenges of Rehabilitating a 30-inch Sewer Hydraulic Modeling - What is it good for? Using Al, GIS & Digital Twins to Drive Smarter Sewer Inspections Water and Wastewater Workforce Development - Is your Community ready for the challenge? Credits Requested: Total Credits Earned 1.0 Credits Requested: Total Credits Earned 1.0 Credits Requested: Total Credits Earned 1.0 Critical Maintenance Techniques Welcome & Keynote Address 8/13/24 10:35 8/13/24 10:35 8/13/24 11:42 1.06 1.0 Critical Maintenance Techniques Your Plant may be over looking PPAS Regulations Impact on the Future of Land Application 8/13/24 13:25 8/13/24 13:57 8/13/24 13:57 0:32 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.	Basins — Treating urban runoff Outside your project	Basins - Treating whan runoff outside your project Benefits of Partnering to Reduce 8/13/24 15:00 8/13/24 15:25 0.25 0.5 0.5 0.5 Benefits of Partnering to Reduce 8/13/24 15:58 8/13/24 16:27 0.29 0.5 0.5 Common of Partnering to Reduce 8/13/24 15:58 8/13/24 16:27 0.29 0.5 0.5 Common of Rehabilitating a 8/14/24 7:55 8/14/24 8:23 0.27 0.5 0.5 Common of Rehabilitating a 8/14/24 7:55 8/14/24 8:23 0.27 0.5 0.5 Object of Rehabilitating a 8/14/24 8:26 8/14/24 9:30 0.34 0.5 0.5 Using Al, GIS & Digital Twins to 8/14/24 9:30 8/14/24 10:00 0.29 0.5 0.5 Using Al, GIS & Digital Twins to 8/14/24 9:30 8/14/24 10:00 0.29 0.5 0.5 Other Smarter Sewer Inspections 8/14/24 13:31 8/14/24 14:30 0.58 1.0 1.0 Over Credits Requested: Total Credits Earned 1.0 0.0 1.0 Pipes, Prints and Prototypes: Exploring 3D Printing Potential 8/15/24 10:58 8/15/24 11:55 0.56 1.0 1.0 Octated Maintenance Techniques 8/13/24 10:35 8/13/24 9:00 1.09 1.0 1.0 Credits Requested: Wastewater Total Credits Earned 9.5 3.5 13.0 Welcome & Reproto Address 8/13/24 10:35 8/13/24 13:57 0.32 0.5 0.5 PFAS Regulations impact on the 8/13/24 13:25 8/13/24 13:57 0.32 0.5 0.5 Regional Stormwater Detention 8/13/24 13:03 8/13/24 13:57 0.32 0.5 0.5 Ostation Prototypes: Prototyp

	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	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	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
Slocum, Mike								

	Credits Requested: PDHs		Total C	redits Earned	0.0	0.5	0.5	0.5
	Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis	8/13/24 13:27	8/13/24 14:01	0:34		0.5	0.5	0.5
mart, Steve					4.5	4.0	2.5	2.5
	Credits Requested:			redits Earned	1.5	1.0	2.5	2.5
	Welcome & Keynote Address	8/13/24 8:05	8/13/24 9:00	0:54		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
	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
Smith, Eric	Credits Requested:		Total C	redits Earned	4.0	1.0	5.0	5.0
	· ·		Total C	ieuits Lailleu	4.0	1.0	3.0	3.0
	Conversion of an underutilized combined sewer to a storm sewer	8/13/24 10:37	8/13/24 11:10	0:32	0.5		0.5	0.5
	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

	Credits Requested:		Total C	redits Earned	2.0	0.5	2.5	2.5
	Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections	8/14/24 9:29	8/14/24 10:00	0:30	0.5		0.5	0.5
	North Interceptor Sewer - Danville, IN	8/14/24 10:01	8/14/24 10:35	0:33	0.5		0.5	0.5
	Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer	8/14/24 10:27	8/14/24 11:05	0:38	0.5		0.5	0.5
	Foster Park Relief Sewer – Indian Village CSO 005 Connection	8/14/24 13:27	8/14/24 14:00	0:33	0.5		0.5	0.5
	A Gen Z Perspective on the Wastewater Industry	8/14/24 15:15	8/14/24 15:55	0:39		0.5	0.5	0.5
Smith, Kenneth	Credits Requested: Drinkin	a Water Wastewater	Total C	redits Earned	7.5	1.0	8.5	8.5
	Welcome & Keynote Address	8/13/24 7:56	8/13/24 9:00	1:03	1.5	1.0	1.0	1.0
	Critical Maintenance Techniques Your Plant may be over looking	8/13/24 10:38	8/13/24 11:42	1:03	1.0		1.0	1.0
	Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities	8/13/24 13:25	8/13/24 13:59	0:34	0.5		0.5	0.5
	Optimizing Final Clarifiers – From Concept to Demonstrated Performance	8/13/24 14:02	8/13/24 14:30	0:27	0.5		0.5	0.5
	Benefits of Partnering to Reduce Inflow and Infiltration	8/13/24 14:57	8/13/24 15:25	0:28	0.5		0.5	0.5
	Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits	8/13/24 15:53	8/13/24 16:55	1:01	1.0		1.0	1.0
	50 Years Later and SND Still Works	8/14/24 13:25	8/14/24 14:02	0:37	0.5		0.5	0.5
	Requirements vs. Reality - Design Capacity Compared to Real World Observations	8/14/24 14:05	8/14/24 14:35	0:30	0.5		0.5	0.5
	Lafayette Prairie Oaks Pipeline Rehab	8/14/24 15:17	8/14/24 15:55	0:38	0.5		0.5	0.5
	Use of Pipe Storage System for Sustainable CSO Reduction	8/14/24 15:50	8/14/24 16:26	0:35	0.5		0.5	0.5
	Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket	8/14/24 16:27	8/14/24 16:55	0:28	0.5		0.5	0.5

	Primary Clarifier Sludge and Scum	8/15/24 9:07	8/15/24 9:40	0:32	0.5		0.5	0.5
	Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges	8/15/24 9:37	8/15/24 10:15	0:37	0.5		0.5	0.5
	Sustained 60 MGD? Sure, why not!	8/15/24 10:11	8/15/24 10:47	0:35	0.5		0.5	0.5
nith, Kevin	Credits Requested:		Total C	redits Earned	2.5	4.5	7.0	7.0
	Benefits of Big Bubble Mixing	8/14/24 8:27	8/14/24 9:00	0:32	0.5		0.5	0.5
	WWTP Non-Potable Water Systems – The Neglected Plant Process	8/14/24 9:30	8/14/24 10:00	0:30	0.5		0.5	0.5
	Using your data and SCADA for maintenance and savings	8/14/24 10:05	8/14/24 11:00	0:55		1.0	1.0	1.0
	Water and Wastewater Workforce Development – Is your community ready for the challenge?	8/14/24 13:25	8/14/24 14:30	1:05		1.0	1.0	1.0
	A Gen Z Perspective on the Wastewater Industry	8/14/24 15:16	8/14/24 15:55	0:38		0.5	0.5	0.5
	Getting the Next Generation Excited about Wastewater	8/14/24 15:56	8/14/24 16:25	0:29		0.5	0.5	0.5
	Wastewater Challenge Demonstration	8/14/24 16:30	8/14/24 16:55	0:24		0.5	0.5	0.5
	Electrical Safety for Wastewater Operators and Maintenance Personnel	8/15/24 7:56	8/15/24 8:30	0:34		0.5	0.5	0.5
	Informed Decision-Making for Electrical and Controls Systems	8/15/24 8:33	8/15/24 9:39	1:05	1.0		1.0	1.0
	Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges	8/15/24 9:39	8/15/24 10:15	0:35	0.5		0.5	0.5
	Contrasting Design Considerations: Municipal Vs Industrial WWTPs	8/15/24 11:00	8/15/24 11:25	0:25		0.5	0.5	0.5
nith, Michelle		Scum	10.0					
	Credits Requested: Drinkin				10.0		12.0	12.0
		8/13/24 7:56	8/13/24 9:00	1:03		1.0	1.0	1.0
	·	8/13/24 9:10	8/13/24 10:15	1:04		1.0	1.0	1.0
		8/13/24 10:38	8/13/24 11:41	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 11:42	1:14	1.0		1.0	1.0
Jimui, Micholds	Credits Requested: Waster	vater	Total C	redits Earned	7.5	1.0	8.5	8.5
Smith, Nicholas	Flexing Your Procurement Muscle	8/15/24 9:07	8/15/24 9:38	0:31	0.5		0.5	0.5
	Back to Basics: Review of UV Disinfection	8/15/24 8:32	8/15/24 9:06	0:33	0.5		0.5	0.5
	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
	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
	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
	Lafayette Prairie Oaks Pipeline Rehab	8/14/24 15:24	8/14/24 15:55	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
	21ST Century FOG Management	8/14/24 13:20	8/14/24 14:00	0:40	0.5		0.5	0.5
	Drive Smarter Sewer Inspections Challenges In The Field	8/14/24 10:02	8/14/24 10:57	0:55	1.0		1.0	1.0
	Using AI, GIS & Digital Twins to	8/14/24 9:32	8/14/24 10:00	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
	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
	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
	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
	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
	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

	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
nith, Sharnta								
	Cundita Donos atodo ve		Tatal C	wadita Cawaad	7.0	2.5	0.5	0.5
	Credits Requested: Waster	water	Total C	redits Earned	7.0	2.5	9.5	9.5
	Credits Requested: Waster Workforce Development Roundtable	8/13/24 9:10	Total C 8/13/24 10:15	1:04	7.0	2.5	9.5	9.5
	Workforce Development				0.5			
	Workforce Development Roundtable Conversion of an underutilized combined sewer to a storm	8/13/24 9:10	8/13/24 10:15	1:04			1.0	1.0
	Workforce Development Roundtable Conversion of an underutilized combined sewer to a storm sewer In Case of Emergency: Keeping Stormwater and Traffic Flowing	8/13/24 9:10 8/13/24 10:30	8/13/24 10:15 8/13/24 11:10	1:04	0.5		0.5	0.5
	Workforce Development Roundtable Conversion of an underutilized combined sewer to a storm sewer In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana Peracetic Acid for Wastewater Disinfection & The Benefits to	8/13/24 9:10 8/13/24 10:30 8/13/24 11:07	8/13/24 10:15 8/13/24 11:10 8/13/24 11:49	1:04 0:39 0:42	0.5		0.5	0.5

	WWTP Non-Potable Water Systems – The Neglected Plant Process	8/14/24 9:26	8/14/24 10:00	0:34	0.5		0.5	0.5
	Using your data and SCADA for maintenance and savings	8/14/24 10:02	8/14/24 11:00	0:57		1.0	1.0	1.0
	50 Years Later and SND Still Works	8/14/24 13:25	8/14/24 14:02	0:36	0.5		0.5	0.5
	Requirements vs. Reality - Design Capacity Compared to Real World Observations	8/14/24 14:03	8/14/24 14:35	0:32	0.5		0.5	0.5
	Ultra-Low Phosphorus Limits	8/15/24 8:03	8/15/24 8:30	0:26	0.5		0.5	0.5
	Informed Decision-Making for Electrical and Controls Systems	8/15/24 8:39	8/15/24 9:39	1:00	1.0		1.0	1.0
	Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges	8/15/24 9:41	8/15/24 10:15	0:33	0.5		0.5	0.5
	Sustained 60 MGD? Sure, why not!	8/15/24 10:13	8/15/24 10:47	0:33	0.5		0.5	0.5
	Contrasting Design Considerations: Municipal Vs Industrial WWTPs	8/15/24 10:53	8/15/24 11:25	0:31		0.5	0.5	0.5
	Grit Happens - Sustainable Solutions for Grit Management At WWTPs	8/15/24 11:21	8/15/24 11:55	0:34	0.5		0.5	0.5
Smitley, Amy								
	Credits Requested:		Total C	redits Farned	2.5	1.0	3.5	3.5
	Credits Requested: Conversion of an underutilized combined sewer to a storm sewer	8/13/24 10:42	Total C 8/13/24 11:10	redits Earned 0:27	0.5	1.0	0.5	3.5 0.5
	Conversion of an underutilized combined sewer to a storm	8/13/24 10:42 8/13/24 11:12				1.0		
	Conversion of an underutilized combined sewer to a storm sewer In Case of Emergency: Keeping Stormwater and Traffic Flowing		8/13/24 11:10	0:27	0.5	1.0	0.5	0.5
	Conversion of an underutilized combined sewer to a storm sewer In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana Peracetic Acid for Wastewater Disinfection & The Benefits to	8/13/24 11:12	8/13/24 11:10 8/13/24 11:49	0:27	0.5	1.0	0.5	0.5
	Conversion of an underutilized combined sewer to a storm sewer In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities Optimizing Final Clarifiers — From Concept to Demonstrated	8/13/24 11:12 8/13/24 13:30	8/13/24 11:10 8/13/24 11:49 8/13/24 13:59	0:27 0:37 0:28	0.5	1.0	0.5 0.5	0.5 0.5 0.5

	The Need to Understand and Manage Water Availability within Basins in Indiana	8/13/24 16:32	8/13/24 16:57	0:25		0.5	0.5	0.5
Snyder, Mike	Credits Requested:		Total C	Credits Earned	0.0	1.0	1.0	1.0
	Welcome & Keynote Address	8/13/24 7:51	8/13/24 9:00	1:08		1.0	1.0	1.0
Solis, Andy	Credits Requested:		Total C	Credits Earned	0.0	1.0	1.0	1.0
	Welcome & Keynote Address	8/13/24 8:10	8/13/24 9:00	0:50		1.0	1.0	1.0
Soller, Michael	Credits Requested: PDHs		Total C	Credits Earned	2.0	2.5	4.5	4.5
	PFAS Regulations Impact on the Future of Land Application	8/13/24 13:30	8/13/24 13:57	0:27	0.5		0.5	0.5
	Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis	8/13/24 13:57	8/13/24 14:31	0:33		0.5	0.5	0.5
	Benefits of Partnering to Reduce Inflow and Infiltration	8/13/24 15:00	8/13/24 15:25	0:24	0.5		0.5	0.5
	SRF Basics	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
South, Gerald	Credits Requested: PDHs		Total C	Credits Earned	5.5	3.5	9.0	9.0
	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 11:14	8/13/24 11:49	0:35	0.5		0.5	0.5

	welcome a keynote Address	0/ 13/ 24 0.00	0/ 13/ 24 3.00	0.31		1.0	1.0	1.0
	Credits Requested: PDHs Welcome & Keynote Address	8/13/24 8:08	8/13/24 9:00	credits Earned 0:51	1.5	4.0	1.0	1.0
s, Rachel	a Planning Project at the Wyoming Clean Water Plant	0, 10, 27 11.22						
	UPDATED - Emergency Replacement of a Blower During	8/15/24 11:22	8/15/24 11:57	0:35	0.5		0.5	0.5
	Contrasting Design Considerations: Municipal Vs Industrial WWTPs	8/15/24 10:59	8/15/24 11:25	0:25		0.5	0.5	0.5
	Sustained 60 MGD? Sure, why not!	8/15/24 10:16	8/15/24 10:47	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
	Use of Pipe Storage System for Sustainable CSO Reduction	8/14/24 15:55	8/14/24 16:26	0:30	0.5		0.5	0.5
	Lafayette Prairie Oaks Pipeline Rehab	8/14/24 15:16	8/14/24 15:55	0:38	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
	North Interceptor Sewer - Danville, IN	8/14/24 10:05	8/14/24 10:35	0:30	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
	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
	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
	IDEM Update	8/13/24 15:55	8/13/24 16:27	0:32		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
	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
	Safaris: Crafting Calculation Workbooks	8/13/24 13:25	8/13/24 13:54	0:29		0.5	0.5	0.5

	Workforce Development Roundtable	8/13/24 9:10	8/13/24 10:15	1:04		1.0	1.0	1.0
	Conversion of an underutilized combined sewer to a storm sewer	8/13/24 10:34	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
ieth, Adam								
	Credits Requested: PDHs		Total C	redits Earned	4.5	5.0	9.5	9.5
	Welcome & Keynote Address	8/13/24 7:46	8/13/24 9:00	1:13		1.0	1.0	1.0
	Workforce Development Roundtable	8/13/24 9:10				1.0		1.0
			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 10:15 8/13/24 11:10	0:32	0.5	1.0	0.5	0.5
	combined sewer to a storm				0.5	0.5		
	combined sewer to a storm sewer Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks Grit Happens: Conquering Startup Challenges during a	8/13/24 10:37	8/13/24 11:10	0:32	0.5		0.5	0.5
	combined sewer to a storm sewer Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks Grit Happens: Conquering	8/13/24 10:37 8/13/24 13:23	8/13/24 11:10 8/13/24 13:54	0:32	0.5	0.5	0.5	0.5
	combined sewer to a storm sewer Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks Grit Happens: Conquering Startup Challenges during a WWTP Upgrade	8/13/24 10:37 8/13/24 13:23 8/13/24 14:58	8/13/24 11:10 8/13/24 13:54 8/13/24 15:28	0:32 0:30	0.5	0.5	0.5 0.5	0.5 0.5

	Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections	8/14/24 9:30	8/14/24 10:00	0:29	0.5		0.5	0.5
	North Interceptor Sewer - Danville, IN	8/14/24 10:06	8/14/24 10:35	0:29	0.5		0.5	0.5
	Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer	8/14/24 10:26	8/14/24 11:05	0:38	0.5		0.5	0.5
	Foster Park Relief Sewer – Indian Village CSO 005 Connection	8/14/24 13:27	8/14/24 14:00	0:33	0.5		0.5	0.5
	Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana	8/14/24 14:05	8/14/24 14:32	0:26	0.5		0.5	0.5
	A Gen Z Perspective on the Wastewater Industry	8/14/24 15:15	8/14/24 15:55	0:39		0.5	0.5	0.5
	Getting the Next Generation Excited about Wastewater	8/14/24 15:59	8/14/24 16:25	0:25		0.5	0.5	0.5
	Enhancing the absorption capacity of GAC to remove PFAS from water	8/14/24 16:29	8/14/24 16:55	0:25	0.5		0.5	0.5
Sporleder, Joshua			=		0.5		40.5	40.5
	Credits Requested: Wastev			redits Earned	8.5	2.0	10.5	10.5
	Welcome & Keynote Address	8/13/24 7:56	8/13/24 9:00	1:03		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 Effloert Toxicity (WET) Testing Requirements for \$1/3/24 15:55 \$1/3/24 16:55 0.59 1.0 1.									
Hydraulic Modelling - What is it good for? 8/14/24 8:27 8/14/24 9:00 0:33 0.5 0.5		Testing Requirements for	8/13/24 15:55	8/13/24 16:55	0:59	1.0		1.0	1.0
Systems - The Neglected Plant 8/14/24 9:29 8/14/24 10:00 0:30 0.5 0.5		Hydraulic Modeling - What is it	8/14/24 8:27	8/14/24 9:00	0:33	0.5		0.5	0.5
Damille, N S14/24 10.03 S14/24 10.03 O.5 O.5		Systems – The Neglected Plant	8/14/24 9:29	8/14/24 10:00	0:30	0.5		0.5	0.5
Final Dutcome of this Non- Traditional, Flesbilde Approach to Salvaging an Almost 100-Year- Old Sewer		·	8/14/24 10:05	8/14/24 10:35	0:30	0.5		0.5	0.5
Optimization with energy savings S/14/24 15:17 S/14/24 15:50 O.33 O.5 O.5		Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year-	8/14/24 10:31	8/14/24 11:05	0:34	0.5		0.5	0.5
Sustainable CSO Reduction		optimization with energy	8/14/24 15:17	8/14/24 15:50	0:33	0.5		0.5	0.5
Collaborative Technology			8/14/24 15:56	8/14/24 16:26	0:29	0.5		0.5	0.5
Operators and Maintenance 8/15/24 7:59 8/15/24 8:30 0:30 0.5 0.5			8/14/24 16:29	8/14/24 16:57	0:28	0.5		0.5	0.5
Disinfection		Operators and Maintenance	8/15/24 7:59	8/15/24 8:30	0:30		0.5	0.5	0.5
Scum S/15/24 9:43 S/15/24 10:15 0:31 0.5 0.5			8/15/24 8:35	8/15/24 9:06	0:31	0.5		0.5	0.5
Solutions for Variable Flow Solutions for Variable Flow Challenges Sustained 60 MGD? Sure, why not! 8/15/24 10:18 8/15/24 10:47 0:29 0.5 0.5			8/15/24 9:07	8/15/24 9:40	0:32	0.5		0.5	0.5
Staman, Payton Credits Requested: Total Credits Earned 1.5 2.0 3.5		Solutions for Variable Flow	8/15/24 9:43	8/15/24 10:15	0:31	0.5		0.5	0.5
Credits Requested: Total Credits Earned 1.5 2.0 3.5 Workforce Development Roundtable 8/13/24 9:10 8/13/24 10:15 1:05 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			8/15/24 10:18	8/15/24 10:47	0:29	0.5		0.5	0.5
Workforce Development	Staman, Payton	Cradite Paguestade		Total C	rodite Formed	1.5	2.0	2 5	3.5
Conversion of an underutilized combined sewer to a storm 8/13/24 10:30 8/13/24 11:10 0:39 0.5 0.5 sewer		Workforce Development	8/13/24 9:10			1.0			1.0
		Conversion of an underutilized combined sewer to a storm	8/13/24 10:30	8/13/24 11:10	0:39	0.5		0.5	0.5
Eliminating the Spreadsheet Safaris: Crafting Calculation 8/13/24 13:24 8/13/24 13:54 0:30 0.5 0.5 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	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
Credits Requested: Wastev	vater	Total C	redits Earned	9.0	4.0	13.0	13.0
Welcome & Keynote Address	8/13/24 7:45	8/13/24 9:00	1:14		1.0	1.0	1.0
Critical Maintenance Techniques Your Plant may be over looking	8/13/24 10:34	8/13/24 11:42	1:07	1.0		1.0	1.0
PFAS Regulations Impact on the Future of Land Application	8/13/24 13:21	8/13/24 13:57	0:35	0.5		0.5	0.5
Regional Stormwater Detention Basins – Treating urban runoff outside your project	8/13/24 14:03	8/13/24 14:31	0:28		0.5	0.5	0.5
Grit Happens: Conquering Startup Challenges during a WWTP Upgrade	8/13/24 14:57	8/13/24 15:28	0:30		0.5	0.5	0.5
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
	Your Public Education, Outreach and Participation Minimum Control Measures Benefits of Partnering to Reduce Inflow and Infiltration SRF Basics Credits Requested: Wastew Welcome & Keynote Address Critical Maintenance Techniques Your Plant may be over looking PFAS Regulations Impact on the Future of Land Application Regional Stormwater Detention Basins – Treating urban runoff outside your project Grit Happens: Conquering Startup Challenges during a WWTP Upgrade Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits Energy Efficient Retrofits of Oxidation ditches Hydraulic Modeling - What is it good for? Water Treatment Regulatory Terms & Definitions Challenges In The Field 21ST Century FOG Management IU Permits and Applying the Combined Wastestream Formula Enforcement Response Plan, Violations, and Significant Non-Compliance Enhancing the absorption capacity of GAC to remove PFAS	Your Public Education, Outreach and Participation Minimum Control Measures Benefits of Partnering to Reduce Inflow and Infiltration SRF Basics 8/13/24 15:57 Credits Requested: Wastewater Welcome & Keynote Address 8/13/24 10:34 Your Plant may be over looking PFAS Regulations Impact on the Future of Land Application Regional Stormwater Detention 8/13/24 13:21 Regional Stormwater Detention 8/13/24 14:03 Basins — Treating urban runoff outside your project Grit Happens: Conquering Startup Challenges during a WWTP Upgrade Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits Energy Efficient Retrofits of Oxidation ditches Hydraulic Modeling - What is it good for? Water Treatment Regulatory 8/14/24 8:26 good for? Water Treatment Regulatory 8/14/24 9:24 Terms & Definitions Challenges in The Field 8/14/24 13:22 21ST Century FOG Management IU Permits and Applying the Combined Wastestream 8/14/24 13:16 Enforcement Response Plan, Violations, and Significant Non-Compliance Enhancing the absorption capacity of GAC to remove PFAS 8/14/24 16:23	Your Public Education, Outreach and Participation Minimum Control Measures 8/13/24 14:59 8/13/24 15:26 Benefits of Partnering to Reduce Inflow and Infiltration 8/13/24 15:01 8/13/24 15:25 SRF Basics 8/13/24 15:57 8/13/24 16:29 Credits Requested: Wastewater Total C Welcome & Keynote Address 8/13/24 10:34 8/13/24 9:00 Critical Maintenance Techniques 8/13/24 10:34 8/13/24 11:42 Your Plant may be over looking PFAS Regulations Impact on the Future of Land Application Regional Stormwater Detention 8/13/24 13:21 8/13/24 13:57 Regional Stormwater Detention 8/13/24 14:03 8/13/24 14:31 Basins – Treating urban runoff Outside your project Grit Happens: Conquering Startup Challenges during a 8/13/24 14:57 8/13/24 15:28 WWFD Upgrade Whole Effluent Toxicity (WET) Testing Requirements for 8/13/24 15:52 8/13/24 16:55 NyDES Permits Energy Efficient Retrofits of	Your Public Education, Outreach and Participation Minimum 8/13/24 14:59 8/13/24 15:26 0:26 and Participation Minimum 0.26 and Participation Minimum 0:24 0:24 Correlits Of Partnering to Reduce Inflow and Infiltration 8/13/24 15:57 8/13/24 15:25 0:24 SRF Basics 8/13/24 15:57 8/13/24 16:29 0:32 Credits Requested: Wastewater Total Credits Earned Welcome & Keynote Address 8/13/24 7:45 8/13/24 10:34 8/13/24 10:34 8/13/24 10:34 8/13/24 10:34 8/13/24 11:42 1:07 Credits Requested: Wastewater Total Credits Earned Welcome & Keynote Address 8/13/24 10:34 8/13/24 11:42 1:07 Credits Requested: Wastewater Total Credits Earned Welcome & Keynote Address 8/13/24 10:34 8/13/24 11:42 1:07 Credits Requested: Wastewater Total Credits Earned Total Credits Earned Waster Treating what is the sequence of	Vour Public Education, Outreach and Participation Minimum Control Measures Benefits of Partnering to Reduce 8/13/24 15:01 8/13/24 15:25 0:24 0.5 Inflow and Infiltration Minimum Control Measures Benefits of Partnering to Reduce 8/13/24 15:57 8/13/24 16:29 0:32 Credits Requested: Wastewater Total Credits Earned 9.0 Welcome & Keynote Address 8/13/24 10:34 8/13/24 10:01 1:14 Critical Maintenance Techniques 8/13/24 10:34 8/13/24 11:42 1:07 1.0 Your Plant may be over looking PFAS Regulations Impact on the 8/13/24 13:21 8/13/24 13:57 0:35 0.5 Future of Land Application Passes 18/13/24 14:03 8/13/24 14:31 0:28 83:ins — Treating urban runoff outside your project Grit Happens: Conquering Startup Challenges during a 8/13/24 14:57 8/13/24 15:28 0:30 WWTP Upgrade Whole Effluent Toxicity (WET) Testing Requirements for 8/13/24 15:52 8/13/24 16:55 1:02 1.0 NPES Permits Energy Efficient Retrofits of 8/14/24 7:56 8/14/24 8:26 0:29 0.5 Oxidation ditches Energy Efficient Retrofits of 8/14/24 8:26 8/14/24 9:00 0:34 0.5 Regord for? 8/14/24 9:04 8/14/24 10:00 0:35 0.5 Regord for? 8/14/24 9:04 8/14/24 10:00 0:37 0.5 Regord for? 8/14/24 13:22 8/14/24 10:00 0:37 0.5 Regord for Permits and Applying the Combined Wastestream 8/14/24 15:16 8/14/24 16:15 0:58 1.0 Compliance Enhancing the absorption capacity of GAC to remove PFAS 8/14/24 16:23 8/14/24 16:55 0:31 0:5	Vour Public Education, Outreach and Participation Minimum Control Measures	Vour Public Education, Outreach and Participation Minimum Control Measures

	Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility	8/15/24 7:56	8/15/24 8:30	0:33		0.5	0.5	0.5
	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	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
	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
Starr, Matt	Cradita Paguastada		Total C	redits Earned	2.5	0.0	2.5	2.5
	Credits Requested:		Total C	reuits carrieu	2.0	0.0		
	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
	9 '	8/14/24 9:26 8/14/24 10:31	8/14/24 10:00 8/14/24 11:05	0:33	0.5		0.5	0.5
	Drive Smarter Sewer Inspections Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year-							
Staton, Kevin	Drive Smarter Sewer Inspections Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer Foster Park Relief Sewer – Indian Village CSO 005 Connection	8/14/24 10:31	8/14/24 11:05 8/14/24 14:00	0:34	0.5		0.5	0.5
Staton, Kevin	Drive Smarter Sewer Inspections Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer Foster Park Relief Sewer – Indian Village CSO 005	8/14/24 10:31	8/14/24 11:05 8/14/24 14:00	0:34	0.5	4.0	0.5	0.5

	Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants	8/13/24 13:58	8/13/24 14:26	0:28	0.5		0.5	0.5
	Total Nitrogen Treatment – What is Required vs. What is Realistic	8/13/24 14:58	8/13/24 15:27	0:29	0.5		0.5	0.5
	The Danish story of using low- hanging-fruit to reduce energy, carbon, and resourcesgy and carbon	8/13/24 15:58	8/13/24 16:56	0:57	1.0		1.0	1.0
	Challenges In The Field	8/14/24 10:01	8/14/24 10:57	0:56	1.0		1.0	1.0
	Ethics in Engineering	8/14/24 13:28	8/14/24 14:30	1:02		1.0	1.0	1.0
	Indiana Law and Statutes	8/14/24 15:13	8/14/24 16:22	1:08		1.0	1.0	1.0
	Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket	8/14/24 16:31	8/14/24 16:58	0:26	0.5		0.5	0.5
	Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility	8/15/24 7:51	8/15/24 8:30	0:39		0.5	0.5	0.5
	Back to Basics: Review of UV Disinfection	8/15/24 8:29	8/15/24 9:06	0:37	0.5		0.5	0.5
	Primary Clarifier Sludge and Scum	8/15/24 9:09	8/15/24 9:40	0:30	0.5		0.5	0.5
	City of Kalamazoo's Holistic Approach to Selecting New Process Technologies	8/15/24 9:41	8/15/24 10:50	1:09		1.0	1.0	1.0
	Contrasting Design Considerations: Municipal Vs Industrial WWTPs	8/15/24 10:53	8/15/24 11:25	0:32		0.5	0.5	0.5
	It's Raining N! The Future of Total Nitrogen Limits	8/15/24 11:26	8/15/24 11:56	0:29	0.5		0.5	0.5
teele, Shawn								
	Credits Requested: Waster	vater	Total C	redits Earned	8.5	4.0	12.5	12.5
	Welcome & Keynote Address	8/13/24 7:46	8/13/24 9:00	1:13		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

	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
	Workforce Development Roundtable	8/13/24 9:10	8/13/24 10:16	1:05		1.0	1.0	1.0
	Welcome & Keynote Address	8/13/24 7:58	8/13/24 9:00	1:01		1.0	1.0	1.0
	Credits Requested: Waster			redits Earned	8.0	6.0	14.0	14.0
hno, Edward	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
	A case for better lab results Pipes, Prints and Prototypes:	0/ 15/ 24 10:17	0/ 15/ 24 10:4/	0.50	0.0		U.5	0.5
	Basics of pH	8/15/24 9:43 8/15/24 10:17	8/15/24 10:15 8/15/24 10:47	0:32 0:30	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
	IWEA WASTEWATER LABORATORY ANALYST CERTIFICATION	8/15/24 8:32	8/15/24 9:01	0:28		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
	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
	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
	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
	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
	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
	Benefits of Big Bubble Mixing	8/14/24 8:27	8/14/24 9:00	0:32	0.5		0.5	0.5
	Energy Efficient Retrofits of Oxidation ditches	8/14/24 8:00	8/14/24 8:26	0:26	0.5		0.5	0.5
	Inflow and Infiltration IDEM Update	8/13/24 15:59	8/13/24 16:27	0:28		0.5	0.5	0.5
	From Concept to Demonstrated Performance Benefits of Partnering to Reduce	8/13/24 14:01 8/13/24 14:56	8/13/24 14:31 8/13/24 15:25	0:29	0.5		0.5	0.5
	Disinfection & The Benefits to Large and Small Utilities Optimizing Final Clarifiers –	8/13/24 13:15	8/13/24 14:00	0:44	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 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
tein, Eli	- W =				0.0	0.0		
	Credits Requested:		Total C	redits Earned	0.0	2.0	2.0	2.0
	Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks	8/13/24 13:25	8/13/24 13:54	0:29		0.5	0.5	0.5
		•						

	Grit Happens: Conquering Startup Challenges during a WWTP Upgrade	8/13/24 14:58	8/13/24 15:28	0:30		0.5	0.5	0.5
	SRF Basics	8/13/24 15:56	8/13/24 16:29	0:32		0.5	0.5	0.5
	Jili Busics	6, 15, 2 : 15.50	0/ 10/ 2 / 10/25	0.02		0.0	0.0	0.5
	Forecasting Urban Water Escherichia coli Contamination Using Machine Learning Models	8/13/24 16:30	8/13/24 17:00	0:30		0.5	0.5	0.5
Steinman, Andrew	Osing Machine Learning Models							
Steilinan, Andrew	Credits Requested:		Total C	redits Earned	6.5	3.5	10.0	10.0
	Credits Requested.		TOTAL	ieuits Earrieu	0.5	3.3	10.0	10.0
	Conversion of an underutilized combined sewer to a storm sewer	8/13/24 10:31	8/13/24 11:10	0:38	0.5		0.5	0.5
	Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks	8/13/24 13:24	8/13/24 13:54	0:30		0.5	0.5	0.5
	Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis	8/13/24 13:56	8/13/24 14:31	0:35		0.5	0.5	0.5
	Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures	8/13/24 14:53	8/13/24 15:26	0:32	0.5		0.5	0.5
	SRF Basics	8/13/24 15:35	8/13/24 16:29	0:54		0.5	0.5	0.5
	SKI Busies	0, 10, 2 : 10.03	0, 10, 2 : 10.23	0.0 .		0.0	0.0	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	Credits Requested: PDHs		Total C	redits Earned	2.0	2.0	4.0	4.0
	Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections	8/14/24 9:31	8/14/24 10:00	0:28	0.5		0.5	0.5
	North Interceptor Sewer - Danville, IN	8/14/24 10:03	8/14/24 10:35	0:32	0.5		0.5	0.5
	Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year-	8/14/24 10:26	8/14/24 11:05	0:38	0.5		0.5	0.5
	Old Sewer							
	Old Sewer Ethics in Engineering	8/14/24 13:15	8/14/24 14:30	1:15		1.0	1.0	1.0
		8/14/24 13:15 8/14/24 15:15	8/14/24 14:30 8/14/24 15:55	1:15 0:39	0.5	1.0	1.0 0.5	1.0 0.5

	Leading Change	8/14/24 16:33	8/14/24 16:58	0:24		0.5	0.5	0.5
Stephanoff, Brenda	Credits Requested:		Total C	redits Earned	2.5	0.0	2.5	2.5
	Biosolids: Fail to Plan; Plan to Fail	8/13/24 10:36	8/13/24 11:41	1:05	1.0		1.0	1.0
	The Danish story of using low- hanging-fruit to reduce energy, carbon, and resourcesgy and carbon	8/13/24 15:54	8/13/24 16:56	1:01	1.0		1.0	1.0
	Lafayette Prairie Oaks Pipeline Rehab	8/14/24 15:18	8/14/24 15:55	0:37	0.5		0.5	0.5
Steury, Tyler	- III - I		=		7.5	0.5	40.0	10.0
	Credits Requested:	0/40/04 7.46		redits Earned	7.5	2.5	10.0	10.0
	Welcome & Keynote Address	8/13/24 7:46	8/13/24 9:00	1:13		1.0	1.0	1.0
	Critical Maintenance Techniques Your Plant may be over looking	8/13/24 10:36	8/13/24 11:42	1:06	1.0		1.0	1.0
	Optimizing Final Clarifiers – From Concept to Demonstrated Performance	8/13/24 14:04	8/13/24 14:31	0:27	0.5		0.5	0.5
	Benefits of Partnering to Reduce Inflow and Infiltration	8/13/24 14:56	8/13/24 15:25	0:28	0.5		0.5	0.5
	IDEM Update	8/13/24 15:59	8/13/24 16:28	0:28		0.5	0.5	0.5
	Energy Efficient Retrofits of Oxidation ditches	8/14/24 8:00	8/14/24 8:26	0:26	0.5		0.5	0.5
	Benefits of Big Bubble Mixing	8/14/24 8:28	8/14/24 9:00	0:31	0.5		0.5	0.5
	WWTP Non-Potable Water Systems – The Neglected Plant Process	8/14/24 9:26	8/14/24 10:00	0:34	0.5		0.5	0.5
	Using your data and SCADA for maintenance and savings	8/14/24 10:05	8/14/24 11:00	0:54		1.0	1.0	1.0
	50 Years Later and SND Still Works	8/14/24 13:25	8/14/24 14:02	0:36	0.5		0.5	0.5
	Requirements vs. Reality - Design Capacity Compared to Real World Observations	8/14/24 14:04	8/14/24 14:35	0:30	0.5		0.5	0.5
	Adaptive mixing and process optimization with energy savings	8/14/24 15:17	8/14/24 15:50	0:33	0.5		0.5	0.5
	Ultra-Low Phosphorus Limits	8/15/24 7:57	8/15/24 8:30	0:32	0.5		0.5	0.5
	Back to Basics: Review of UV Disinfection	8/15/24 8:32	8/15/24 9:06	0:34	0.5		0.5	0.5
	Primary Clarifier Sludge and Scum	8/15/24 9:10	8/15/24 9:40	0:29	0.5		0.5	0.5
	Basics of pH	8/15/24 9:44	8/15/24 10:15	0:31	0.5		0.5	0.5

	A case for better lab results	8/15/24 10:17	8/15/24 10:47	0:30	0.5		0.5	0.5
Stevens, Dewayne	Credits Requested: Wastey	water	Total C	redits Earned	9.5	4.5	14.0	14.0
	Welcome & Keynote Address	8/13/24 7:50	8/13/24 9:00	1:09	0.0	1.0	1.0	1.0
	Workforce Development Roundtable	8/13/24 9:10	8/13/24 10:16	1:05		1.0	1.0	1.0
	Critical Maintenance Techniques Your Plant may be over looking	8/13/24 10:34	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
tewart, Briyana	Credits Requested:		Total C	redits Earned	1.0	1.5	2.5	2.5
	· · · · · · · · · · · · · · · · · · ·		Total C	reuits carrieu	1.0	1.5	2.3	
	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 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
topher, Brenda	Cuadita Bancasta de su		T-4-1 C		F F	2.5	0.0	- 0.0
	Credits Requested: Waster			redits Earned	5.5	2.5	8.0	8.0
	Operator Certification Update	8/13/24 10:31	8/13/24 11:07	0:35		0.5	0.5	0.5
	Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap	8/13/24 11:08	8/13/24 11:42	0:34		0.5	0.5	0.5
	PFAS Regulations Impact on the							
	Future of Land Application	8/13/24 13:29	8/13/24 13:57	0:27	0.5		0.5	0.5
		8/13/24 13:29 8/13/24 15:00	8/13/24 13:57 8/13/24 15:28	0:27	0.5	0.5	0.5	0.5
	Future of Land Application Grit Happens: Conquering Startup Challenges during a	<u> </u>			0.5	0.5		
	Future of Land Application 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
	Future of Land Application Grit Happens: Conquering Startup Challenges during a WWTP Upgrade IDEM Update The Need to Understand and Manage Water Availability	8/13/24 15:00 8/13/24 15:56	8/13/24 15:28 8/13/24 16:28	0:28	1.0	0.5	0.5	0.5
	Future of Land Application Grit Happens: Conquering Startup Challenges during a WWTP Upgrade IDEM Update The Need to Understand and Manage Water Availability within Basins in Indiana	8/13/24 15:00 8/13/24 15:56 8/13/24 16:30	8/13/24 15:28 8/13/24 16:28 8/13/24 16:57	0:28 0:31 0:27		0.5	0.5 0.5 0.5	0.5 0.5 0.5

	21ST Century FOG Management	8/14/24 13:16	8/14/24 14:00	0:43	0.5		0.5	0.5
	IU Permits and Applying the Combined Wastestream Formula	8/14/24 14:05	8/14/24 14:35	0:29	0.5		0.5	0.5
	Enforcement Response Plan, Violations, and Significant Non- Compliance	8/14/24 15:14	8/14/24 16:15	1:00	1.0		1.0	1.0
	Transforming Compliance Using Collaborative Technology	8/14/24 16:21	8/14/24 16:58	0:36	0.5		0.5	0.5
Stoughton, Ryan								
	Credits Requested: PDHs		Total C	Credits Earned	0.5	1.0	1.5	1.5
	Ten Gallons of Pump Station in	8/14/24 16:30	8/14/24 16:58	0:27	0.5		0.5	0.5
	City of Kalamazoo's Holistic Approach to Selecting New Process Technologies	8/15/24 9:41	8/15/24 10:50	1:08		1.0	1.0	1.0
tout, Kevin					4.0	4.0		
	Credits Requested: Wastev			redits Earned	4.0	1.0	5.0	5.0
	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 11:00	0:50		1.0	1.0	1.0
trehl, Joe	Credits Requested:		Total C	Credits Earned	0.0	1.0	1.0	1.0
	Welcome & Keynote Address	8/13/24 7:58	8/13/24 9:00	1:01	0.0	1.0	1.0	1.0
Strong, Aaron	welcome a reynote Address	0/ 13/ 24 7.30	0/ 13/ 24 3.00	1.01		1.0	1.0	1.0
0 ,	Credits Requested:		Total C	redits Earned	2.0	0.0	2.0	2.0
	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
Strunk, Zachary	Credits Requested: Waste	water	Total C	Credits Earned	4.0	1.0	5.0	5.0
	Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer	8/14/24 7:51	8/14/24 8:23	0:31	0.5		0.5	0.5
	Benefits of Big Bubble Mixing	8/14/24 8:27	8/14/24 9:00	0:32	0.5		0.5	0.5
	WWTP Non-Potable Water Systems – The Neglected Plant Process	8/14/24 9:28	8/14/24 10:00	0:32	0.5		0.5	0.5
	Using your data and SCADA for maintenance and savings	8/14/24 10:05	8/14/24 11:00	0:55		1.0	1.0	1.0
	50 Years Later and SND Still Works	8/14/24 13:25	8/14/24 14:02	0:36	0.5		0.5	0.5
	Requirements vs. Reality - Design Capacity Compared to Real World Observations	8/14/24 14:04	8/14/24 14:35	0:31	0.5		0.5	0.5
	Ultra-Low Phosphorus Limits	8/15/24 7:53	8/15/24 8:30	0:37	0.5		0.5	0.5
	Primary Clarifier Sludge and Scum	8/15/24 9:08	8/15/24 9:40	0:31	0.5		0.5	0.5
	Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges	8/15/24 9:37	8/15/24 10:15	0:37	0.5		0.5	0.5
Sucharitakul, Andy								
	Credits Requested: PDHs		Total C	redits Earned	4.0	3.5	7.5	7.5
	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
Sullivan, Elijah								
	Credits Requested:		Total C	Credits Earned	4.5	2.5	7.0	7.0
	Welcome & Keynote Address	8/13/24 7:47	8/13/24 9:00	1:12		1.0	1.0	1.0
	Conversion of an underutilized combined sewer to a storm sewer	8/13/24 10:34	8/13/24 11:10	0:35	0.5		0.5	0.5
	In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana	8/13/24 11:13	8/13/24 11:49	0:35	0.5		0.5	0.5
	Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks	8/13/24 13:23	8/13/24 13:54	0:30		0.5	0.5	0.5
	Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants	8/13/24 13:59	8/13/24 14:26	0:27	0.5		0.5	0.5
	SRF Basics	8/13/24 15:52	8/13/24 16:29	0:36		0.5	0.5	0.5
	The Need to Understand and Manage Water Availability within Basins in Indiana	8/13/24 16:31	8/13/24 16:57	0:26		0.5	0.5	0.5
	Hydraulic Modeling - What is it good for?	8/14/24 8:28	8/14/24 9:00	0:32	0.5		0.5	0.5
	Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections	8/14/24 9:32	8/14/24 10:00	0:27	0.5		0.5	0.5

	North Interceptor Sewer - Danville, IN	8/14/24 10:04	8/14/24 10:35	0:30	0.5		0.5	0.5
	Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer	8/14/24 10:27	8/14/24 11:05	0:38	0.5		0.5	0.5
	50 Years Later and SND Still Works	8/14/24 13:33	8/14/24 14:02	0:28	0.5		0.5	0.5
	Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana	8/14/24 14:02	8/14/24 14:30	0:27	0.5		0.5	0.5
Summers, Wes	Credits Requested: Wastew	vater	Total C	redits Earned	1.5	1.5	3.0	3.0
	Tips for Labs that you may not know	8/15/24 7:56	8/15/24 8:30	0:34	0.5		0.5	0.5
	Back to Basics: Review of UV Disinfection	8/15/24 8:34	8/15/24 9:06	0:31	0.5		0.5	0.5
	Flexing Your Procurement Muscle	8/15/24 9:09	8/15/24 9:38	0:28	0.5		0.5	0.5
	City of Kalamazoo's Holistic Approach to Selecting New Process Technologies	8/15/24 9:45	8/15/24 10:50	1:05		1.0	1.0	1.0
	Contrasting Design Considerations: Municipal Vs Industrial WWTPs	8/15/24 11:00	8/15/24 11:25	0:25		0.5	0.5	0.5
Swanson, Caden								
	Credits Requested: PDHs		Total C	redits Earned	3.5	5.0	8.5	8.5
	Workforce Development Roundtable	8/13/24 9:10	8/13/24 10:16	1:05		1.0	1.0	1.0
	Conversion of an underutilized combined sewer to a storm sewer	8/13/24 10:35	8/13/24 11:10	0:34	0.5		0.5	0.5
	In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana	8/13/24 11:10	8/13/24 11:49	0:39	0.5		0.5	0.5
	Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks	8/13/24 13:24	8/13/24 13:54	0:30		0.5	0.5	0.5
	Regional Stormwater Detention Basins – Treating urban runoff outside your project	8/13/24 14:03	8/13/24 14:31	0:28		0.5	0.5	0.5

	Credits Requested: PDHs		Total C	Credits Earned	0.5	0.0	0.5	0.5
Feague, Philip	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
	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
	Lafayette Prairie Oaks Pipeline Rehab	8/14/24 15:20	8/14/24 15:55	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	0:28	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
	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
	North Interceptor Sewer - Danville, IN	8/14/24 10:03	8/14/24 10:35	0:31	0.5		0.5	0.5
	Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections	8/14/24 9:31	8/14/24 10:00	0:28	0.5		0.5	0.5
	Credits Requested: PDHs		Total C	Credits Earned	4.0	0.0	4.0	4.0
ylor, Bryce	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
	Indiana Law and Statutes	8/14/24 15:17	8/14/24 16:22	1:05		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
	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
	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
	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
	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

Tennis, Dave	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
Terrins, Dave	Credits Requested:		Total (Credits Earned	2.0	0.0	2.0	2.0
	Hydraulic Modeling - What is it good for?	8/14/24 8:26	8/14/24 9:00	0:34	0.5		0.5	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
Terry, Jake	Credits Requested:		Total (Credits Earned	0.5	0.0	0.5	0.5
	North Interceptor Sewer - Danville, IN	8/14/24 10:05	8/14/24 10:35	0:29	0.5	0.0	0.5	0.5
Terry, Josh			=	= .	0.5	0.0	2.5	2.5
	Credits Requested:		Total (Credits Earned	2.5	0.0	2.5	2.5
	Water Treatment Regulatory Terms & Definitions	8/14/24 9:30	8/14/24 10:00	0:29	0.5		0.5	0.5
	Challenges In The Field	8/14/24 10:07	8/14/24 10:58	0:50	1.0		1.0	1.0
	21ST Century FOG Management	8/14/24 13:21	8/14/24 14:00	0:38	0.5		0.5	0.5
	IU Permits and Applying the Combined Wastestream Formula	8/14/24 14:04	8/14/24 14:35	0:30	0.5		0.5	0.5
Teusch, Joe	Credits Requested: PDHs		Total (Credits Earned	1.5	2.0	3.5	3.5
	Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility	8/15/24 7:58	8/15/24 8:30	0:32		0.5	0.5	0.5
	Back to Basics: Review of UV Disinfection	8/15/24 8:29	8/15/24 9:06	0:37	0.5		0.5	0.5
	Primary Clarifier Sludge and Scum	8/15/24 9:10	8/15/24 9:40	0:30	0.5		0.5	0.5
	City of Kalamazoo's Holistic Approach to Selecting New Process Technologies	8/15/24 9:41	8/15/24 10:50	1:08		1.0	1.0	1.0

	Contrasting Design Considerations: Municipal Vs Industrial WWTPs	8/15/24 10:59	8/15/24 11:25	0:25		0.5	0.5	0.5
	Grit Happens - Sustainable Solutions for Grit Management At WWTPs	8/15/24 11:29	8/15/24 11:55	0:26	0.5		0.5	0.5
HEODOROU, BOB	Credits Requested: Waster	tou	Total C	redits Earned	10.0	3.0	13.0	13.0
	Welcome & Keynote Address	8/13/24 7:51	8/13/24 9:00	1:08	10.0	1.0	1.0	1.0
	Biosolids: Fail to Plan; Plan to	8/13/24 10:34	8/13/24 11:41	1:07	1.0	1.0	1.0	1.0
	PFAS Regulations Impact on the Future of Land Application	8/13/24 13:30	8/13/24 13:57	0:27	0.5		0.5	0.5
	Optimizing Final Clarifiers – From Concept to Demonstrated Performance	8/13/24 14:02	8/13/24 14:31	0:28	0.5		0.5	0.5
	Total Nitrogen Treatment – What is Required vs. What is Realistic	8/13/24 14:57	8/13/24 15:27	0:29	0.5		0.5	0.5
	IDEM Update	8/13/24 15:54	8/13/24 16:28	0:34		0.5	0.5	0.5
	Forecasting Urban Water Escherichia coli Contamination Using Machine Learning Models	8/13/24 16:31	8/13/24 17:00	0:29		0.5	0.5	0.5
	Out In The Field Not In A Book	8/14/24 8:02	8/14/24 8:57	0:55	1.0		1.0	1.0
	Water Treatment Regulatory Terms & Definitions	8/14/24 9:30	8/14/24 10:00	0:30	0.5		0.5	0.5
	Challenges In The Field	8/14/24 10:04	8/14/24 10:58	0:53	1.0		1.0	1.0
	21ST Century FOG Management	8/14/24 13:27	8/14/24 14:00	0:33	0.5		0.5	0.5
	IU Permits and Applying the Combined Wastestream Formula	8/14/24 14:04	8/14/24 14:35	0:30	0.5		0.5	0.5
	Enforcement Response Plan, Violations, and Significant Non- Compliance	8/14/24 15:14	8/14/24 16:15	1:01	1.0		1.0	1.0
	Use of Pipe Storage System for Sustainable CSO Reduction	8/14/24 16:10	8/14/24 16:25	0:14	0.0		0.0	0.0
	Enhancing the absorption capacity of GAC to remove PFAS from water	8/14/24 16:28	8/14/24 16:55	0:26	0.5		0.5	0.5
	Ultra-Low Phosphorus Limits	8/15/24 7:59	8/15/24 8:30	0:30	0.5		0.5	0.5
	IWEA WASTEWATER LABORATORY ANALYST CERTIFICATION	8/15/24 8:33	8/15/24 9:01	0:28		0.5	0.5	0.5

	Primary Clarifier Sludge and Scum	8/15/24 9:09	8/15/24 9:40	0:31	0.5		0.5	0.5
	Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges	8/15/24 9:42	8/15/24 10:15	0:32	0.5		0.5	0.5
	Sustained 60 MGD? Sure, why not!	8/15/24 10:11	8/15/24 10:47	0:35	0.5		0.5	0.5
	Contrasting Design Considerations: Municipal Vs Industrial WWTPs	8/15/24 10:55	8/15/24 11:25	0:30		0.5	0.5	0.5
	Grit Happens - Sustainable Solutions for Grit Management At WWTPs	8/15/24 11:21	8/15/24 11:55	0:34	0.5		0.5	0.5
Thielka, Tim	Condito Banconto de		T-1-LC		F F	E E	11.0	11.0
	Credits Requested:		Total C	redits Earned	5.5	5.5	11.0	11.0
	Conversion of an underutilized combined sewer to a storm sewer	8/13/24 10:38	8/13/24 11:10	0:31	0.5		0.5	0.5
	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 Holi	City of Kalamazoo's Holistic Approach to Selecting New Process Technologies	8/15/24 9:38	8/15/24 10:50	1:11		1.0	1.0	1.0
Thomas, Carolyn	Credits Requested:		Total C	redits Earned	0.0	1.0	1.0	1.0
	Welcome & Keynote Address	8/13/24 7:50	8/13/24 9:00	1:09		1.0	1.0	1.0
Thompson, Andrew	Credits Requested: PDHs		Total C	redits Earned	5.0	0.0	5.0	5.0
	Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer	8/14/24 7:55	8/14/24 8:23	0:27	0.5		0.5	0.5
	Hydraulic Modeling - What is it good for?	8/14/24 8:24	8/14/24 9:00	0:36	0.5		0.5	0.5
	Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections	8/14/24 9:32	8/14/24 10:00	0:27	0.5		0.5	0.5
	North Interceptor Sewer - Danville, IN	8/14/24 10:04	8/14/24 10:35	0:30	0.5		0.5	0.5
	Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer	8/14/24 10:28	8/14/24 11:05	0:37	0.5		0.5	0.5

	50 Years Later and SND Still Works	8/14/24 13:29	8/14/24 14:02	0:32	0.5		0.5	0.5
	Requirements vs. Reality - Design Capacity Compared to Real World Observations	8/14/24 14:03	8/14/24 14:35	0:32	0.5		0.5	0.5
	Lafayette Prairie Oaks Pipeline Rehab	8/14/24 15:16	8/14/24 15:55	0:38	0.5		0.5	0.5
	Use of Pipe Storage System for Sustainable CSO Reduction	8/14/24 15:51	8/14/24 16:26	0:34	0.5		0.5	0.5
	Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket	8/14/24 16:28	8/14/24 16:55	0:26	0.5		0.5	0.5
Thompson, Chip	Credits Requested:		Total C	redits Earned	0.0	1.0	1.0	1.0
	Grit Happens: Conquering Startup Challenges during a WWTP Upgrade	8/13/24 14:59	8/13/24 15:28	0:29		0.5	0.5	0.5
	SRF Basics	8/13/24 16:04	8/13/24 16:30	0:25		0.5	0.5	0.5
Thompson, Jarrett	Credits Requested: Wastev	vater	Total C	redits Earned	6.5	1.0	7.5	7.5
	Critical Maintenance Techniques Your Plant may be over looking	8/13/24 10:30	8/13/24 11:42	1:11	1.0		1.0	1.0
	Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities	8/13/24 13:28	8/13/24 13:55	0:26	0.5		0.5	0.5
	Optimizing Final Clarifiers – From Concept to Demonstrated Performance	8/13/24 14:03	8/13/24 14:31	0:27	0.5		0.5	0.5
	Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits	8/13/24 16:01	8/13/24 16:55	0:53	1.0		1.0	1.0
	Energy Efficient Retrofits of Oxidation ditches	8/14/24 7:57	8/14/24 8:26	0:29	0.5		0.5	0.5
	Benefits of Big Bubble Mixing	8/14/24 8:28	8/14/24 9:00	0:31	0.5		0.5	0.5
	Using 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	0:32	0.5		0.5	0.5
	Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer	8/14/24 10:33	8/14/24 11:05	0:32	0.5		0.5	0.5

	Wastewater Challenge Demonstration	8/14/24 16:29	8/14/24 16:55	0:26		0.5	0.5	0.5
	Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility	8/15/24 7:59	8/15/24 8:30	0:31		0.5	0.5	0.5
	Informed Decision-Making for Electrical and Controls Systems	8/15/24 8:36	8/15/24 9:39	1:03	1.0		1.0	1.0
Thompson, Kimberly								
	Credits Requested: Waste	water	Total C	redits Earned	5.0	2.0	7.0	7.0
	Welcome & Keynote Address	8/13/24 7:54	8/13/24 9:00	1:05		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 10:44	8/13/24 11:41	0:57	1.0		1.0	1.0
	Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities	8/13/24 13:26	8/13/24 13:55	0:28	0.5		0.5	0.5
	Optimizing Final Clarifiers – From Concept to Demonstrated Performance	8/13/24 14:02	8/13/24 14:31	0:28	0.5		0.5	0.5
	Total Nitrogen Treatment – What is Required vs. What is Realistic	8/13/24 14:57	8/13/24 15:27	0:30	0.5		0.5	0.5
	Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits	8/13/24 15:55	8/13/24 16:55	0:59	1.0		1.0	1.0
	Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer	8/14/24 7:57	8/14/24 8:23	0:25	0.5		0.5	0.5
	Hydraulic Modeling - What is it good for?	8/14/24 8:24	8/14/24 9:00	0:36	0.5		0.5	0.5
	North Interceptor Sewer - Danville, IN	8/14/24 10:01	8/14/24 10:35	0:33	0.5		0.5	0.5
Tice, Steve								
	Credits Requested: Waster	water	Total C	redits Earned	6.0	5.5	11.5	11.5
	Welcome & Keynote Address	8/13/24 8:01	8/13/24 9:00	0:58		1.0	1.0	1.0
	Conversion of an underutilized combined sewer to a storm sewer	8/13/24 10:32	8/13/24 11:10	0:37	0.5		0.5	0.5
	Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap	8/13/24 11:10	8/13/24 11:42	0:32		0.5	0.5	0.5

	PFAS Regulations Impact on the Future of Land Application	8/13/24 13:29	8/13/24 13:57	0:27	0.5		0.5	0.5
	Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants	8/13/24 14:05	8/13/24 14:30	0:25	0.5		0.5	0.5
	Total Nitrogen Treatment – What is Required vs. What is Realistic	8/13/24 14:58	8/13/24 15:27	0:28	0.5		0.5	0.5
	IDEM Update	8/13/24 15:55	8/13/24 16:28	0:32		0.5	0.5	0.5
	The Need to Understand and Manage Water Availability within Basins in Indiana	8/13/24 16:32	8/13/24 16:58	0:25		0.5	0.5	0.5
	Mastering the Art of Master Planning	8/14/24 7:54	8/14/24 9:00	1:05	1.0		1.0	1.0
	Rate inequity: are your residents subsidizing the growth in your community?	8/14/24 9:35	8/14/24 10:30	0:54		1.0	1.0	1.0
	Unveiling the Power of Regionalization: A Strategic Approach for Success	8/14/24 10:31	8/14/24 11:04	0:32		0.5	0.5	0.5
	Water and Wastewater Workforce Development – Is your community ready for the challenge?	8/14/24 13:30	8/14/24 14:30	1:00		1.0	1.0	1.0
	Tips for Labs that you may not know	8/15/24 7:55	8/15/24 8:30	0:34	0.5		0.5	0.5
	IWEA WASTEWATER LABORATORY ANALYST CERTIFICATION	8/15/24 8:35	8/15/24 9:01	0:26		0.5	0.5	0.5
	Flexing Your Procurement Muscle	8/15/24 9:06	8/15/24 9:38	0:31	0.5		0.5	0.5
	Basics of pH	8/15/24 9:47	8/15/24 10:15	0:28	0.5		0.5	0.5
	A case for better lab results	8/15/24 10:17	8/15/24 10:47	0:30	0.5		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	Cue dite De sus et e de		T-1 10		E O	4.0	0.0	0.0
	Credits Requested:			redits Earned	5.0	4.0	9.0	9.0
	Welcome & Keynote Address	8/13/24 8:07	8/13/24 9:00	0:52		1.0	1.0	1.0
	Workforce Development Roundtable	8/13/24 9:10	8/13/24 10:16	1:05		1.0	1.0	1.0

	Welcome & Keynote Address	8/13/24 7:52	8/13/24 9:00	1:08		1.0	1.0	1.0
	Credits Requested:	0/40/2:		redits Earned	0.5	1.0	1.5	1.5
TONK, ERIC	a Five Gallon Bucket		-					
	Minges Brook Pump Station - Ten Gallons of Pump Station in	8/14/24 16:28	8/14/24 16:55	0:26	0.5		0.5	0.5
	Use of Pipe Storage System for Sustainable CSO Reduction	8/14/24 15:53	8/14/24 16:26	0:32	0.5		0.5	0.5
	Lafayette Prairie Oaks Pipeline Rehab	8/14/24 15:14	8/14/24 15:55	0:41	0.5		0.5	0.5
	Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana	8/14/24 14:01	8/14/24 14:30	0:29	0.5		0.5	0.5
	Foster Park Relief Sewer – Indian Village CSO 005 Connection	8/14/24 13:31	8/14/24 14:00	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 10:27	8/14/24 11:05	0:38	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
	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
	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
	IDEM Update	8/13/24 15:53	8/13/24 16:28	0:34		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
	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
	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
	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

	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						^ F	40.5	40.5
	Credits Requested: Waster			redits Earned	9.0	3.5	12.5	12.5
	Welcome & Keynote Address	8/13/24 7:58	8/13/24 9:00	1:01		1.0	1.0	1.0
	Workforce Development Roundtable	8/13/24 9:10	8/13/24 10:16	1:05		1.0	1.0	1.0
	Critical Maintenance Techniques Your Plant may be over looking	8/13/24 10:29	8/13/24 11:42	1:12	1.0		1.0	1.0
	PFAS Regulations Impact on the Future of Land Application	8/13/24 13:24	8/13/24 13:57	0:33	0.5		0.5	0.5
	Optimizing Final Clarifiers – From Concept to Demonstrated Performance	8/13/24 14:03	8/13/24 14:31	0:27	0.5		0.5	0.5
	Total Nitrogen Treatment – What is Required vs. What is Realistic	8/13/24 14:56	8/13/24 15:27	0:31	0.5		0.5	0.5
	IDEM Update	8/13/24 15:57	8/13/24 16:28	0:30		0.5	0.5	0.5
	Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer	8/14/24 8:02	8/14/24 8:27	0:25	0.5		0.5	0.5
	Benefits of Big Bubble Mixing	8/14/24 8:28	8/14/24 9:00	0:31	0.5		0.5	0.5
	WWTP Non-Potable Water Systems – The Neglected Plant Process	8/14/24 9:30	8/14/24 10:00	0:30	0.5		0.5	0.5
	North Interceptor Sewer - Danville, IN	8/14/24 10:05	8/14/24 10:35	0:29	0.5		0.5	0.5
	Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer	8/14/24 10:28	8/14/24 11:05	0:37	0.5		0.5	0.5
	21ST Century FOG Management	8/14/24 13:32	8/14/24 14:00	0:28	0.5		0.5	0.5
	Requirements vs. Reality - Design Capacity Compared to Real World Observations	8/14/24 14:07	8/14/24 14:35	0:28	0.5		0.5	0.5
	Adaptive mixing and process optimization with energy savings	8/14/24 15:17	8/14/24 15:50	0:33	0.5		0.5	0.5

	Optimizing Plant Expansions: A Comprehensive Overview of the Capacity Expansion Project at the Evansville East WWTP Facility	8/15/24 7:59	8/15/24 8:30	0:31		0.5	0.5	0.5
	Back to Basics: Review of UV Disinfection	8/15/24 8:32	8/15/24 9:06	0:33	0.5		0.5	0.5
	Primary Clarifier Sludge and Scum	8/15/24 9:11	8/15/24 9:40	0:29	0.5		0.5	0.5
	Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges	8/15/24 9:42	8/15/24 10:15	0:32	0.5		0.5	0.5
	Sustained 60 MGD? Sure, why not!	8/15/24 10:11	8/15/24 10:47	0:35	0.5		0.5	0.5
	Contrasting Design Considerations: Municipal Vs Industrial WWTPs	8/15/24 10:56	8/15/24 11:25	0:28		0.5	0.5	0.5
	It's Raining N! The Future of Total Nitrogen Limits	8/15/24 11:28	8/15/24 11:56	0:28	0.5		0.5	0.5
obaugh, Katie	Credits Requested:		Total C	Credits Earned	4.0	1.0	5.0	5.0
	Biosolids: Fail to Plan; Plan to Fail	8/13/24 10:34	8/13/24 11:41	1:07	1.0		1.0	1.0
	PFAS Regulations Impact on the Future of Land Application	8/13/24 13:21	8/13/24 13:57	0:36	0.5		0.5	0.5
	Optimizing Final Clarifiers – From Concept to Demonstrated Performance	8/13/24 14:01	8/13/24 14:31	0:29	0.5		0.5	0.5
	Total Nitrogen Treatment – What is Required vs. What is Realistic	8/13/24 15:02	8/13/24 15:27	0:25	0.5		0.5	0.5
	Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits	8/13/24 15:57	8/13/24 16:55	0:57	1.0		1.0	1.0
	Water Treatment Regulatory Terms & Definitions	8/14/24 9:33	8/14/24 10:00	0:26	0.5		0.5	0.5
	Using your data and SCADA for maintenance and savings	8/14/24 10:10	8/14/24 11:01	0:51		1.0	1.0	1.0
uemner, Madison	Credits Requested: PDHs		Total C	redits Earned	6.0	4.0	10.0	10.0
	Welcome & Keynote Address	8/13/24 8:05	8/13/24 9:00	0:54	0.0	1.0	1.0	1.0
	Workforce Development Roundtable	8/13/24 9:10	8/13/24 10:16	1:05		1.0	1.0	1.0
	Biosolids: Fail to Plan; Plan to Fail	8/13/24 10:35	8/13/24 11:41	1:06	1.0		1.0	1.0

	PFAS Regulations Impact on the Future of Land Application	8/13/24 13:26	8/13/24 13:57	0:31	0.5		0.5	0.5
	Optimizing Final Clarifiers – From Concept to Demonstrated Performance	8/13/24 14:04	8/13/24 14:31	0:26	0.5		0.5	0.5
	Benefits of Partnering to Reduce Inflow and Infiltration	8/13/24 14:52	8/13/24 15:25	0:32	0.5		0.5	0.5
	Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits	8/13/24 15:55	8/13/24 16:55	0:59	1.0		1.0	1.0
	Energy Efficient Retrofits of Oxidation ditches	8/14/24 7:54	8/14/24 8:26	0:31	0.5		0.5	0.5
	WWTP Non-Potable Water Systems – The Neglected Plant Process	8/14/24 9:27	8/14/24 10:00	0:33	0.5		0.5	0.5
	Using your data and SCADA for maintenance and savings	8/14/24 10:10	8/14/24 11:01	0:51		1.0	1.0	1.0
	50 Years Later and SND Still Works	8/14/24 13:33	8/14/24 14:02	0:29	0.5		0.5	0.5
	Requirements vs. Reality - Design Capacity Compared to Real World Observations	8/14/24 14:03	8/14/24 14:35	0:32	0.5		0.5	0.5
	A Gen Z Perspective on the Wastewater Industry	8/14/24 15:17	8/14/24 15:55	0:37		0.5	0.5	0.5
	Getting the Next Generation Excited about Wastewater	8/14/24 15:57	8/14/24 16:25	0:28		0.5	0.5	0.5
	Enhancing the absorption capacity of GAC to remove PFAS from water	8/14/24 16:30	8/14/24 16:55	0:25	0.5		0.5	0.5
Turner, Michael	Cuadita Danuartada Waster		Tatal C	redits Earned	9.0	3.5	12.5	12.5
	Credits Requested: Waster	8/13/24 7:49	8/13/24 9:00	1:10	9.0	1.0	1.0	1.0
	Welcome & Keynote Address Workforce Development Roundtable	8/13/24 9:10	8/13/24 10:16	1:05		1.0	1.0	1.0
	Biosolids: Fail to Plan; Plan to	8/13/24 10:34	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
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	The Need to Understand and Manage Water Availability within Basins in Indiana	8/13/24 16:32	8/13/24 16:57	0:25		0.5	0.5	0.5
	Energy Efficient Retrofits of Oxidation ditches	8/14/24 7:55	8/14/24 8:26	0:30	0.5		0.5	0.5
	Benefits of Big Bubble Mixing	8/14/24 8:28	8/14/24 9:00	0:32	0.5		0.5	0.5
	WWTP Non-Potable Water Systems – The Neglected Plant Process	8/14/24 9:30	8/14/24 10:00	0:30	0.5		0.5	0.5
	North Interceptor Sewer - Danville, IN	8/14/24 10:08	8/14/24 10:35	0:26	0.5		0.5	0.5
	50 Years Later and SND Still Works	8/14/24 13:28	8/14/24 14:02	0:34	0.5		0.5	0.5
	Requirements vs. Reality - Design Capacity Compared to Real World Observations	8/14/24 14:03	8/14/24 14:35	0:32	0.5		0.5	0.5
	Adaptive mixing and process optimization with energy savings	8/14/24 15:17	8/14/24 15:50	0:33	0.5		0.5	0.5
	Use of Pipe Storage System for Sustainable CSO Reduction	8/14/24 15:52	8/14/24 16:26	0:33	0.5		0.5	0.5
	Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket	8/14/24 16:29	8/14/24 16:55	0:25	0.5		0.5	0.5
	Ultra-Low Phosphorus Limits	8/15/24 7:56	8/15/24 8:30	0:33	0.5		0.5	0.5
	IWEA WASTEWATER LABORATORY ANALYST CERTIFICATION	8/15/24 8:36	8/15/24 9:01	0:25		0.5	0.5	0.5
	Flexing Your Procurement Muscle	8/15/24 9:07	8/15/24 9:38	0:31	0.5		0.5	0.5
	Sustained 60 MGD? Sure, why not!	8/15/24 10:12	8/15/24 10:47	0:35	0.5		0.5	0.5
	Contrasting Design Considerations: Municipal Vs Industrial WWTPs	8/15/24 11:00	8/15/24 11:25	0:25		0.5	0.5	0.5
	UPDATED - Emergency Replacement of a Blower During a Planning Project at the Wyoming Clean Water Plant	8/15/24 11:24	8/15/24 11:57	0:33	0.5		0.5	0.5
Uhlenhake, Karen	Condito Possessada de 1911		Texal	andia France-	10.5	2.5	12.0	12.0
	Credits Requested: Waster	vater	rotarC	redits Earned	10.5	2.5	13.0	13.0
	Workforce Development Roundtable	8/13/24 9:10	8/13/24 10:16	1:05		1.0	1.0	1.0
	Biosolids: Fail to Plan; Plan to Fail	8/13/24 10:34	8/13/24 11:41	1:07	1.0		1.0	1.0

Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis	8/13/24 13:27	8/13/24 14:01	0:34		0.5	0.5	0.5
Regional Stormwater Detention Basins – Treating urban runoff outside your project	8/13/24 14:03	8/13/24 14:31	0:28		0.5	0.5	0.5
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
Upendrakumar, KC "Kumar"								
	Credits Requested: PDHs		Total C	redits Earned	9.5	4.5	13.5	13.5
	Welcome & Keynote Address	8/13/24 7:55	8/13/24 9:00	1:04		1.0	1.0	1.0
	Workforce Development Roundtable	8/13/24 9:10	8/13/24 10:16	1:05		1.0	1.0	1.0
	Biosolids: Fail to Plan; Plan to Fail	8/13/24 10:40	8/13/24 11:41	1:00	1.0		1.0	1.0
	PFAS Regulations Impact on the Future of Land Application	8/13/24 13:34	8/13/24 14:00	0:26	0.5		0.0	0.0
	Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants	8/13/24 13:58	8/13/24 14:26	0:28	0.5		0.5	0.5
	Total Nitrogen Treatment – What is Required vs. What is Realistic	8/13/24 14:58	8/13/24 15:27	0:28	0.5		0.5	0.5
	The Danish story of using low- hanging-fruit to reduce energy, carbon, and resourcesgy and carbon	8/13/24 15:57	8/13/24 16:56	0:58	1.0		1.0	1.0
	Energy Efficient Retrofits of Oxidation ditches	8/14/24 8:00	8/14/24 8:26	0:26	0.5		0.5	0.5
	Benefits of Big Bubble Mixing	8/14/24 8:27	8/14/24 9:00	0:33	0.5		0.5	0.5
	WWTP Non-Potable Water Systems – The Neglected Plant Process	8/14/24 9:29	8/14/24 10:00	0:31	0.5		0.5	0.5
	Using your data and SCADA for maintenance and savings	8/14/24 10:04	8/14/24 11:01	0:57		1.0	1.0	1.0
	50 Years Later and SND Still Works	8/14/24 13:31	8/14/24 14:02	0:30	0.5		0.5	0.5

	Requirements vs. Reality - Design Capacity Compared to Real World Observations	8/14/24 14:04	8/14/24 14:35	0:31	0.5		0.5	0.5
	Adaptive mixing and process optimization with energy savings	8/14/24 15:17	8/14/24 15:50	0:33	0.5		0.5	0.5
	A Gen Z Perspective on the Wastewater Industry	8/14/24 15:43	8/14/24 15:55	0:11		0.0	0.0	0.0
	Getting the Next Generation Excited about Wastewater	8/14/24 15:58	8/14/24 16:25	0:26		0.5	0.5	0.5
	Enhancing the absorption capacity of GAC to remove PFAS from water	8/14/24 16:28	8/14/24 16:55	0:27	0.5		0.5	0.5
	Ultra-Low Phosphorus Limits	8/15/24 7:54	8/15/24 8:30	0:35	0.5		0.5	0.5
	Emergency Preparedness and Procedures	8/15/24 8:32	8/15/24 9:10	0:38		0.5	0.5	0.5
	Primary Clarifier Sludge and Scum	8/15/24 9:09	8/15/24 9:40	0:30	0.5		0.5	0.5
	Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges	8/15/24 9:45	8/15/24 10:15	0:29	0.5		0.5	0.5
	Sustained 60 MGD? Sure, why not!	8/15/24 10:17	8/15/24 10:47	0:29	0.5		0.5	0.5
	Contrasting Design Considerations: Municipal Vs Industrial WWTPs	8/15/24 10:59	8/15/24 11:25	0:25		0.5	0.5	0.5
	It's Raining N! The Future of Total Nitrogen Limits	8/15/24 11:28	8/15/24 11:56	0:28	0.5		0.5	0.5
Urban, Derek	Credits Requested: PDHs		Total C	redits Earned	2.0	2.5	4.5	4.5
	•		Total C	reuits Earrieu	2.0	2.5	4.5	4.5
	Hydraulic Modeling - What is it good for?	8/14/24 8:29	8/14/24 9:00	0:31	0.5		0.5	0.5
	Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections	8/14/24 9:29	8/14/24 10:00	0:30	0.5		0.5	0.5
	Using your data and SCADA for maintenance and savings	8/14/24 10:03	8/14/24 11:01	0:57		1.0	1.0	1.0
	50 Years Later and SND Still Works	8/14/24 13:28	8/14/24 14:02	0:34	0.5		0.5	0.5
	IU Permits and Applying the Combined Wastestream Formula	8/14/24 14:04	8/14/24 14:35	0:30	0.5		0.5	0.5
	A Gen Z Perspective on the Wastewater Industry	8/14/24 15:17	8/14/24 15:55	0:37		0.5	0.5	0.5

	Getting the Next Generation Excited about Wastewater	8/14/24 15:57	8/14/24 16:25	0:28		0.5	0.5	0.5
	Leading Change	8/14/24 16:30	8/14/24 16:58	0:28		0.5	0.5	0.5
in Damme, Morgan	Credits Requested:		Total C	redits Earned	1.5	0.0	1.5	1.5
	Water Treatment Regulatory Terms & Definitions	8/14/24 9:33	8/14/24 10:00	0:27	0.5		0.5	0.5
	North Interceptor Sewer - Danville, IN	8/14/24 10:06	8/14/24 10:35	0:28	0.5		0.5	0.5
	Foster Park Relief Sewer – Indian Village CSO 005 Connection	8/14/24 13:38	8/14/24 14:04	0:26	0.5		0.5	0.5
nderford, Kyle	Credits Requested:			redits Earned	0.0	0.5	0.5	0.5
ankayala, Praveen	IDEM Update	8/13/24 16:02	8/13/24 16:28	0:25		0.5	0.5	0.5
nkayaia, Praveen	Credits Requested: PDHs			redits Earned	4.5	2.0	6.5	6.5
	Welcome & Keynote Address	8/13/24 8:08	8/13/24 9:00	0:51		1.0	1.0	1.0
	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
	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
anProoyen, Randy								
	Credits Requested:		Total C	redits Earned	3.5	1.0	4.5	4.5
	Welcome & Keynote Address	8/13/24 7:48	8/13/24 9:00	1:11		1.0	1.0	1.0
	Optimizing Final Clarifiers – From Concept to Demonstrated Performance	8/13/24 14:01	8/13/24 14:31	0:30	0.5		0.5	0.5
	North Interceptor Sewer - Danville, IN	8/14/24 10:05	8/14/24 10:35	0:30	0.5		0.5	0.5
	Lafayette Prairie Oaks Pipeline Rehab	8/14/24 15:15	8/14/24 15:55	0:40	0.5		0.5	0.5
	Use of Pipe Storage System for Sustainable CSO Reduction	8/14/24 16:00	8/14/24 16:26	0:25	0.5		0.5	0.5
	Ultra-Low Phosphorus Limits	8/15/24 7:55	8/15/24 8:30	0:35	0.5		0.5	0.5
	Informed Decision-Making for Electrical and Controls Systems	8/15/24 8:33	8/15/24 9:39	1:05	1.0		1.0	1.0
nSickle, Richard	Electrical and Controls Systems							
inSickle, Richard	Credits Requested: Wastev	vater	Total C	redits Earned	9.0	1.0	10.0	10.0
nSickle, Richard		water 8/13/24 10:26	Total C 8/13/24 11:42	redits Earned	9.0	1.0	10.0	10.0
nSickle, Richard	Credits Requested: Wastev					1.0		
nSickle, Richard	Credits Requested: Wastev Critical Maintenance Techniques Your Plant may be over looking Peracetic Acid for Wastewater Disinfection & The Benefits to	8/13/24 10:26	8/13/24 11:42	1:15	1.0	1.0	1.0	1.0
nSickle, Richard	Credits Requested: Wastev Critical Maintenance Techniques Your Plant may be over looking Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities Optimizing Final Clarifiers — From Concept to Demonstrated	8/13/24 10:26 8/13/24 13:16	8/13/24 11:42 8/13/24 14:00	1:15 0:43	0.5	1.0	1.0	0.5
inSickle, Richard	Credits Requested: Wastev Critical Maintenance Techniques Your Plant may be over looking Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities Optimizing Final Clarifiers – From Concept to Demonstrated Performance Benefits of Partnering to Reduce	8/13/24 10:26 8/13/24 13:16 8/13/24 14:01	8/13/24 11:42 8/13/24 14:00 8/13/24 14:31	1:15 0:43 0:30	0.5	1.0	1.0 0.5	0.5
nSickle, Richard	Credits Requested: Wastev Critical Maintenance Techniques Your Plant may be over looking Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities Optimizing Final Clarifiers – From Concept to Demonstrated Performance Benefits of Partnering to Reduce Inflow and Infiltration Whole Effluent Toxicity (WET) Testing Requirements for	8/13/24 10:26 8/13/24 13:16 8/13/24 14:01 8/13/24 14:57	8/13/24 11:42 8/13/24 14:00 8/13/24 14:31 8/13/24 15:25	0:43 0:30 0:28	0.5 0.5	1.0	1.0 0.5 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
	Using your data and SCADA for maintenance and savings	8/14/24 10:04	8/14/24 11:01	0:57		1.0	1.0	1.0
	50 Years Later and SND Still Works	8/14/24 13:24	8/14/24 14:02	0:37	0.5		0.5	0.5
	Requirements vs. Reality - Design Capacity Compared to Real World Observations	8/14/24 14:04	8/14/24 14:35	0:31	0.5		0.5	0.5
	Adaptive mixing and process optimization with energy savings	8/14/24 15:17	8/14/24 15:50	0:33	0.5		0.5	0.5
	Use of Pipe Storage System for Sustainable CSO Reduction	8/14/24 15:50	8/14/24 16:26	0:35	0.5		0.5	0.5
	Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket	8/14/24 16:27	8/14/24 16:55	0:27	0.5		0.5	0.5
	Ultra-Low Phosphorus Limits	8/15/24 7:49	8/15/24 8:30	0:41	0.5		0.5	0.5
	Informed Decision-Making for Electrical and Controls Systems	8/15/24 8:32	8/15/24 9:39	1:07	1.0		1.0	1.0
Vasell, John					0.5			
	Credits Requested:		Total C	redits Earned	0.5	0.0	0.5	0.5
	Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer	8/14/24 8:04	8/14/24 8:30	0:25	0.5		0.5	0.5
VAUGHN, BRIAN	Considito De sous estados e o co		T-4-1.0	\	2.0	1.0	2.0	3.0
	Credits Requested: Drinkin	ng Water, Wastewater	i otai C	Credits Earned	2.0	1.0	3.0	3.0
	Energy Efficient Retrofits of Oxidation ditches	8/14/24 7:56	8/14/24 8:26	0:29	0.5		0.5	0.5
	Hydraulic Modeling - What is it good for?	8/14/24 8:26	8/14/24 9:00	0:34	0.5		0.5	0.5
	Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections	8/14/24 9:26	8/14/24 10:00	0:33	0.5		0.5	0.5
	Using your data and SCADA for maintenance and savings	8/14/24 10:04	8/14/24 11:01	0:57		1.0	1.0	1.0
	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
Velasco, Manuel	Credits Requested: PDHs		Total C	Credits Earned	1.0	2.0	3.0	3.0
	Conversion of an underutilized combined sewer to a storm sewer	8/13/24 10:30	8/13/24 11:10	0:39	0.5		0.5	0.5

	Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap	8/13/24 11:11	8/13/24 11:42	0:31		0.5	0.5	0.5
	Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis	8/13/24 13:29	8/13/24 14:01	0:32		0.5	0.5	0.5
	Regional Stormwater Detention Basins – Treating urban runoff outside your project	8/13/24 14:03	8/13/24 14:31	0:28		0.5	0.5	0.5
	Benefits of Partnering to Reduce Inflow and Infiltration	8/13/24 14:57	8/13/24 15:25	0:28	0.5		0.5	0.5
	IDEM Update	8/13/24 15:59	8/13/24 16:28	0:28		0.5	0.5	0.5
ıqez, Ruben	Credits Requested:		Total C	redits Earned	4.5	0.5	5.0	5.0
	Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer	8/14/24 7:57	8/14/24 8:23	0:25	0.5		0.5	0.5
	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 Al, GIS & Digital Twins to Drive Smarter Sewer Inspections	8/14/24 9:31	8/14/24 10:00	0:28	0.5		0.5	0.5
	North Interceptor Sewer - Danville, IN	8/14/24 10:05	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

	Credits Requested:		Total C	redits Earned	0.5	0.0	0.5	0.5
	PFAS Regulations Impact on the Future of Land Application	8/13/24 13:28	8/13/24 13:57	0:28	0.5		0.5	0.5
Vigil, Cristina	Credits Requested: Waste	water	Total C	redits Earned	10.5	1.0	11.5	11.5
	Critical Maintenance Techniques Your Plant may be over looking	8/13/24 10:40	8/13/24 11:42	1:01	1.0		1.0	1.0
	Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities	8/13/24 13:25	8/13/24 13:55	0:30	0.5		0.5	0.5
	Optimizing Final Clarifiers – From Concept to Demonstrated Performance	8/13/24 14:04	8/13/24 14:31	0:27	0.5		0.5	0.5
	Total Nitrogen Treatment – What is Required vs. What is Realistic	8/13/24 14:54	8/13/24 15:27	0:32	0.5		0.5	0.5
	IDEM Update	8/13/24 15:57	8/13/24 16:28	0:30		0.5	0.5	0.5
	Forecasting Urban Water Escherichia coli Contamination Using Machine Learning Models	8/13/24 16:31	8/13/24 17:00	0:29		0.5	0.5	0.5
	Out In The Field Not In A Book	8/14/24 8:02	8/14/24 8:57	0:55	1.0		1.0	1.0
	Using Al, GIS & Digital Twins to Drive Smarter Sewer Inspections	8/14/24 9:31	8/14/24 10:00	0:28	0.5		0.5	0.5
	North Interceptor Sewer - Danville, IN	8/14/24 10:06	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

Villalobos-Lopez, Maritza	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
	Credits Requested:		Total C	redits Earned	2.0	1.5	3.5	3.5
	Workforce Development Roundtable	8/13/24 9:10	8/13/24 10:16	1:05		1.0	1.0	1.0
	Critical Maintenance Techniques Your Plant may be over looking	8/13/24 10:32	8/13/24 11:42	1:10	1.0		1.0	1.0
	PFAS Regulations Impact on the Future of Land Application	8/13/24 13:24	8/13/24 13:57	0:33	0.5		0.5	0.5
	Total Nitrogen Treatment – What is Required vs. What is Realistic	8/13/24 15:01	8/13/24 15:27	0:26	0.5		0.5	0.5
	IDEM Update	8/13/24 15:53	8/13/24 16:28	0:34		0.5	0.5	0.5
Viswanathan, Sudhakar	Credits Requested:		Total C	redits Earned	2.0	0.0	2.0	2.0
	Biosolids: Fail to Plan; Plan to Fail	8/13/24 10:30	8/13/24 11:41	1:11	1.0		1.0	1.0
	PFAS Regulations Impact on the Future of Land Application	8/13/24 13:19	8/13/24 13:57	0:38	0.5		0.5	0.5
	Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants	8/13/24 14:00	8/13/24 14:28	0:28	0.5		0.5	0.5
Wagner, Mike	Credite Degreested: W.		Tatal	andite Compad	1.0	1.5	2.5	2.5
	Credits Requested: Wastew Biosolids: Fail to Plan; Plan to			redits Earned	1.0	1.5	2.5	2.5
	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	0.5
	The Need to Understand and Manage Water Availability within Basins in Indiana	8/13/24 16:32	8/13/24 16:57	0:25		0.5	0.5	0.5
	Contrasting Design Considerations: Municipal Vs Industrial WWTPs	8/15/24 10:54	8/15/24 11:25	0:30		0.5	0.5	0.5
Walker, Allison	Credits Requested:		Total C	redits Earned	1.0	1.0	2.0	2.0
	Grit Happens: Conquering Startup Challenges during a WWTP Upgrade	8/13/24 14:55	8/13/24 15:28	0:33	1.0	0.5	0.5	0.5

Maximizing the Effection of Vov Public Effection (Ordinarish and Participation Minimum Control Measures Benefits of Particing to Reduce Minimum Control Measures Minimum Control Meas									
Inflow and Infiltration 8/13/24 1557 8/13/24 1535 0.32 0.5 0.5 0.5 0.5 0.5		Your Public Education, Outreach and Participation Minimum	8/13/24 14:59	8/13/24 15:26	0:27	0.5		0.5	0.5
Credits Requested: Wastewater Total Credits Earned 9.5 2.5 12.0 12.0		· ·	8/13/24 15:01	8/13/24 15:25	0:24	0.5		0.5	0.5
Credits Requested: Wastewater Total Credits Earned 9.5 2.5 12.0 12.0		SRF Basics	8/13/24 15:57	8/13/24 16:29	0:32		0.5	0.5	0.5
Critical Maintenance Techniques 8/13/24 10:30 8/13/24 11:42 1:11 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	Walker, Brent	Vour Public Education, Outreach and Participation Minimum Control Measures	12.0	12.0					
Persectic Acid for Wastewater Disinfection & The Benefits to large and Small Utilities Optimizing Final Clariffers – From Concept to Demonstrated B/13/24 14:03 8/13/24 14:32 0:28 0.5 0.5 0.5 0.5 0.5 Performance Total Nitrogen Treatment – What is Required vs. What is 8/13/24 14:57 8/13/24 15:27 0:29 0.5 0.5 0.5 0.5 0.5 Realistic IDEM Update 8/13/24 15:50 8/13/24 16:28 0:37 0.5 0.5 0.5 0.5 The Need to Understand and Manage Water Availability 8/13/24 16:30 8/13/24 16:57 0:26 0.5 0.5 0.5 0.5 0.5 Within Basins in Indiana 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 1:0 WWTP Non-Potable Water Systems – The Neglected Plant Process Using wor data and SCADA for maintenance and savings 8/14/24 10:08 8/14/24 10:00 0:35 0.5 0.5 0.5 0.5 So Years Later and SND Still 8/14/24 13:25 8/14/24 10:0 0:36 0.5 0.5 0.5 0.5 Requirements vs. Reality-Design Capacity Compared to 8/14/24 14:05 8/14/24 14:05 0:36 0.5 0.5 0.5 0.5 Lafayette Parine Oaks Ppeline Rehab Lafayette Parine Oaks Ppeline Rehab Minges Strock Pump Station – Ten Gallons of Pump Station		Credits Requested: Waster	water	i otai C	redits Earned	9.5	2.5	12.0	12.0
Disinfection & The Benefits to Large and Small Utilities		·	8/13/24 10:30	8/13/24 11:42	1:11	1.0		1.0	1.0
From Concept to Demonstrated Performance Total Nitrogen Treatment — What is Required vs. What is Required ws. What is Required ws. What is Required vs. Requirements vs. Reality Design Capacity Compared to Real World Observations Real World Observations Real World Observations Real World Observations Replaced vs. Replaced vs. Replaced vs. Research Rehab Use of Pipe Storage System for Sustainable CSO Reduction Reflection R		Disinfection & The Benefits to	8/13/24 13:23	8/13/24 13:55	0:32	0.5		0.5	0.5
What is Required vs. Require		From Concept to Demonstrated	8/13/24 14:03	8/13/24 14:32	0:28	0.5		0.5	0.5
The Need to Understand and Manage Water Availability 8/13/24 16:30 8/13/24 16:57 0:26 0.5 0.5 0.5 0.5 0.5 within Basins in Indiana 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 1.0 1.0 1.0 WWTP Non-Potable Water Systems — The Neglected Plant Process 8/14/24 10:08 8/14/24 11:01 0:52 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0		What is Required vs. What is	8/13/24 14:57	8/13/24 15:27	0:29	0.5		0.5	0.5
Manage Water Availability 8/13/24 16:30 8/13/24 16:57 0.26 0.5 0.5 0.5 0.5 within Basins in Indiana		IDEM Update	8/13/24 15:50	8/13/24 16:28	0:37		0.5	0.5	0.5
WWTP Non-Potable Water Systems – The Neglected Plant Process Using your data and SCADA for maintenance and savings 8/14/24 10:08 8/14/24 11:01 0:52 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.		Manage Water Availability	8/13/24 16:30	8/13/24 16:57	0:26		0.5	0.5	0.5
Systems – The Neglected Plant Process Using your data and SCADA for maintenance and savings 8/14/24 10:08 8/14/24 11:01 0:52 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0		Out In The Field Not In A Book	8/14/24 7:50	8/14/24 8:57	1:07	1.0		1.0	1.0
### Maintenance and savings 50 Years Later and SND Still		Systems – The Neglected Plant	8/14/24 9:25	8/14/24 10:00	0:35	0.5		0.5	0.5
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 14:35 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 8/14/24 16:27 8/14/24 16:55 0:27 0.5 0.5 0.5		- ·	8/14/24 10:08	8/14/24 11:01	0:52		1.0	1.0	1.0
Design Capacity Compared to Real World Observations Real World Observations Real World Observations Real World Observations Lafayette Prairie Oaks Pipeline Rehab 8/14/24 15:13 8/14/24 15:55 0:42 0.5 0.5 0.5			8/14/24 13:25	8/14/24 14:02	0:36	0.5		0.5	0.5
Rehab Use of Pipe Storage System for Sustainable CSO Reduction Minges Brook Pump Station - Ten Gallons of Pump Station in 8/14/24 16:27 8/14/24 16:25 0.35 0.5 0.5 0.5 0.5 0.5 0.5 0		Design Capacity Compared to	8/14/24 14:05	8/14/24 14:35	0:30	0.5		0.5	0.5
Sustainable CSO Reduction Minges Brook Pump Station - Ten Gallons of Pump Station in 8/14/24 16:27 8/14/24 16:55 0:27 0.5 0.5 0.5		· · · · · ·	8/14/24 15:13	8/14/24 15:55	0:42	0.5		0.5	0.5
Ten Gallons of Pump Station in 8/14/24 16:27 8/14/24 16:55 0:27 0.5 0.5 0.5			8/14/24 15:50	8/14/24 16:26	0:35	0.5		0.5	0.5
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			8/15/24 7:49	8/15/24 8:30	0:40	0.5		0.5	0.5

Informed Decision-Making for Electrical and Controls Systems	8/15/24 8:32	8/15/24 9:39	1:07	1.0		1.0	1.0
Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges	8/15/24 9:43	8/15/24 10:15	0:31	0.5		0.5	0.5
Sustained 60 MGD? Sure, why not!	8/15/24 10:10	8/15/24 10:47	0:37	0.5		0.5	0.5
Contrasting Design Considerations: Municipal Vs Industrial WWTPs	8/15/24 10:53	8/15/24 11:25	0:32		0.5	0.5	0.5
It's Raining N! The Future of Total Nitrogen Limits	8/15/24 11:21	8/15/24 11:56	0:35	0.5		0.5	0.5
Credits Requested:		Total C	redits Earned	5.5	3.0	8.5	8.5
Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis	8/13/24 13:26	8/13/24 14:01	0:34		0.5	0.5	0.5
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
	Electrical and Controls Systems Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges Sustained 60 MGD? Sure, why not! Contrasting Design Considerations: Municipal Vs Industrial WWTPs It's Raining N! The Future of Total Nitrogen Limits Credits Requested: Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis Regional Stormwater Detention Basins – Treating urban runoff outside your project Benefits of Partnering to Reduce Inflow and Infiltration IDEM Update Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer Hydraulic Modeling - What is it good for? Using Al, GIS & Digital Twins to Drive Smarter Sewer Inspections North Interceptor Sewer - Danville, IN Howard Roosa Sewer - The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer Foster Park Relief Sewer - Indian Village CSO 005	Electrical and Controls Systems Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges Sustained 60 MGD? Sure, why not! Contrasting Design Considerations: Municipal Vs Industrial WWTPs It's Raining N! The Future of Total Nitrogen Limits Credits Requested: Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis Regional Stormwater Detention Basins – Treating urban runoff outside your project Benefits of Partnering to Reduce Inflow and Infiltration IDEM Update Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer Hydraulic Modeling - What is it good for? Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections North Interceptor Sewer - Danville, IN Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer Foster Park Relief Sewer – Indian Village CSO 005 8/14/24 13:24	Electrical and Controls Systems S 13 24 3-32 S 15 24 3-39	Electrical and Controls Systems S/13/24 0.32 S/13/24 0.33 S/15/24 10:15 O:31	Electrical and Controls Systems S/15/24 9:43 S/15/24 10:15 O.31 O.5	Electrical and Controls Systems St. 1924-8-32 St. 1974-7-33 1.07 1.08	Electrical and Controls Systems

	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
Wallace, Michael	Credits Requested: Wastev	vater	Total C	redits Earned	7.5	0.5	8.0	8.0
	Biosolids: Fail to Plan; Plan to	8/13/24 10:29	8/13/24 11:41	1:12	1.0		1.0	1.0
	PFAS Regulations Impact on the Future of Land Application	8/13/24 13:23	8/13/24 13:57	0:33	0.5		0.5	0.5
	Optimizing Final Clarifiers – From Concept to Demonstrated Performance	8/13/24 14:03	8/13/24 14:32	0:28	0.5		0.5	0.5
	Total Nitrogen Treatment – What is Required vs. What is Realistic	8/13/24 14:56	8/13/24 15:27	0:31	0.5		0.5	0.5
	IDEM Update	8/13/24 15:53	8/13/24 16:28	0:34		0.5	0.5	0.5
	WWTP Non-Potable Water Systems – The Neglected Plant Process	8/14/24 9:25	8/14/24 10:00	0:35	0.5		0.5	0.5
	North Interceptor Sewer - Danville, IN	8/14/24 10:03	8/14/24 10:35	0:31	0.5		0.5	0.5
	Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer	8/14/24 10:30	8/14/24 11:05	0:35	0.5		0.5	0.5
	21ST Century FOG Management	8/14/24 13:24	8/14/24 14:00	0:35	0.5		0.5	0.5
	IU Permits and Applying the Combined Wastestream Formula	8/14/24 14:04	8/14/24 14:35	0:30	0.5		0.5	0.5

	Enforcement Response Plan, Violations, and Significant Non- Compliance	8/14/24 15:16	8/14/24 16:15	0:59	1.0		1.0	1.0
	Back to Basics: Review of UV Disinfection	8/15/24 8:29	8/15/24 9:07	0:37	0.5		0.5	0.5
	Primary Clarifier Sludge and Scum	8/15/24 9:09	8/15/24 9:40	0:30	0.5		0.5	0.5
	Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges	8/15/24 9:42	8/15/24 10:15	0:32	0.5		0.5	0.5
Walters, Ryan	Credits Requested:		Total C	Credits Earned	1.0	0.0	1.0	1.0
	Biosolids: Fail to Plan; Plan to	8/13/24 10:36	8/13/24 11:41	1:05	1.0		1.0	1.0
Wamsley, Pete	Cyadita Bassastada		Total C	Credits Earned	1.0	2.5	3.5	3.5
	Credits Requested:		Total C	redits Earned	1.0	2.5	3.5	5.5
	Rate inequity: are your residents subsidizing the growth in your community?	8/14/24 9:37	8/14/24 10:30	0:52		1.0	1.0	1.0
	Ethics in Engineering	8/14/24 13:30	8/14/24 14:30	0:59		1.0	1.0	1.0
	Lafayette Prairie Oaks Pipeline Rehab	8/14/24 15:14	8/14/24 15:55	0:41	0.5		0.5	0.5
	Getting the Next Generation Excited about Wastewater	8/14/24 15:58	8/14/24 16:25	0:26		0.5	0.5	0.5
	Enhancing the absorption capacity of GAC to remove PFAS from water	8/14/24 16:28	8/14/24 16:55	0:26	0.5		0.5	0.5
Ware, Jordan			=		4.0	0.0	4.0	1.0
	Credits Requested:		Total C	Credits Earned	1.0	0.0	1.0	1.0
	Pipes, Prints and Prototypes: Exploring 3D Printing Potential in Wastewater Laboratories	8/15/24 10:58	8/15/24 11:55	0:56	1.0		1.0	1.0
Washington, Tara						4 =	C =	<u> </u>
	Credits Requested: Wastev			Credits Earned	2.0	4.5	6.5	6.5
	Welcome & Keynote Address	8/13/24 7:57	8/13/24 9:00	1:02		1.0	1.0	1.0
	Workforce Development Roundtable	8/13/24 9:10	8/13/24 10:16	1:05		1.0	1.0	1.0
	Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures	8/13/24 15:00	8/13/24 15:26	0:26	0.5		0.5	0.5
	The Need to Understand and Manage Water Availability within Basins in Indiana	8/13/24 16:29	8/13/24 16:57	0:28		0.5	0.5	0.5

Water and Wastewater Workforce Development – Is your community ready for the challenge?	8/14/24 13:33	8/14/24 14:30	0:57		1.0	1.0	1.0
A Gen Z Perspective on the Wastewater Industry	8/14/24 15:19	8/14/24 15:55	0:35		0.5	0.5	0.5
IWEA WASTEWATER LABORATORY ANALYST CERTIFICATION	8/15/24 8:33	8/15/24 9:01	0:27		0.5	0.5	0.5
Flexing Your Procurement Muscle	8/15/24 9:06	8/15/24 9:37	0:30	0.5		0.5	0.5
Basics of pH	8/15/24 9:45	8/15/24 10:15	0:30	0.5		0.5	0.5
It's Raining N! The Future of Total Nitrogen Limits	8/15/24 11:27	8/15/24 11:56	0:29	0.5		0.5	0.5
Credits Requested: Waster	vater	Total C	redits Earned	4.5	1.0	5.5	5.5
Critical Maintenance Techniques Your Plant may be over looking	8/13/24 10:26	8/13/24 11:42	1:15	1.0		1.0	1.0
Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities	8/13/24 13:18	8/13/24 13:55	0:36	0.5		0.5	0.5
Optimizing Final Clarifiers – From Concept to Demonstrated Performance	8/13/24 14:00	8/13/24 14:32	0:31	0.5		0.5	0.5
Energy Efficient Retrofits of Oxidation ditches	8/14/24 7:54	8/14/24 8:26	0:32	0.5		0.5	0.5
Benefits of Big Bubble Mixing	8/14/24 8:28	8/14/24 9:00	0:32	0.5		0.5	0.5
WWTP Non-Potable Water Systems – The Neglected Plant Process	8/14/24 9:26	8/14/24 10:00	0:33	0.5		0.5	0.5
Using your data and SCADA for maintenance and savings	8/14/24 10:04	8/14/24 11:01	0:56		1.0	1.0	1.0
50 Years Later and SND Still Works	8/14/24 13:26	8/14/24 14:02	0:36	0.5		0.5	0.5
Requirements vs. Reality - Design Capacity Compared to Real World Observations	8/14/24 14:05	8/14/24 14:35	0:30	0.5		0.5	0.5
Credits Requested: Waster	water	Total C	redits Earned	4.5	0.0	4.5	4.5
Energy Efficient Retrofits of	8/14/24 7:57	8/14/24 8:26	0:29	0.5		0.5	0.5
	8/14/24 8:27	8/14/24 9:00	0:32	0.5		0.5	0.5
	Workforce Development – Is your community ready for the challenge? A Gen Z Perspective on the Wastewater Industry IWEA WASTEWATER LABORATORY ANALYST CERTIFICATION Flexing Your Procurement Muscle Basics of pH It's Raining N! The Future of Total Nitrogen Limits Credits Requested: Wastev Critical Maintenance Techniques Your Plant may be over looking Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities Optimizing Final Clarifiers – From Concept to Demonstrated Performance Energy Efficient Retrofits of Oxidation ditches Benefits of Big Bubble Mixing WWTP Non-Potable Water Systems – The Neglected Plant Process Using your data and SCADA for maintenance and savings 50 Years Later and SND Still Works Requirements vs. Reality - Design Capacity Compared to Real World Observations Credits Requested: Wastev Energy Efficient Retrofits of Oxidation ditches	Workforce Development – Is your community ready for the challenge? A Gen Z Perspective on the Wastewater Industry IWEA WASTEWATER LABORATORY ANALYST 8/15/24 8:33 CERTIFICATION Flexing Your Procurement Muscle 8/15/24 9:06 Basics of pH 8/15/24 9:45 It's Raining N! The Future of Total Nitrogen Limits Credits Requested: Wastewater Critical Maintenance Techniques 8/13/24 10:26 Your Plant may be over looking Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities Optimizing Final Clarifiers — From Concept to Demonstrated Performance Energy Efficient Retrofits of 8/13/24 12:28 WWTP Non-Potable Water Systems — The Neglected Plant Process Using your data and SCADA for maintenance and savings 50 Years Later and SND Still Works Requirements vs. Reality — Design Capacity Compared to Real World Observations Credits Requested: Wastewater Energy Efficient Retrofits of 8/14/24 13:26 Works Requirements vs. Reality — Design Capacity Compared to Real World Observations Credits Requested: Wastewater Energy Efficient Retrofits of Solvidation ditches 8/14/24 7:57 Oxidation ditches	Workforce Development – Is your community ready for the challenge? A Gen Z Perspective on the Wastewater Industry IWEA WASTEWATER LABORATORY ANALYST S/15/24 8:33 8/15/24 9:01 Elexing Your Procurement Muscre Sairce Size Size Size Size Size Size Size Siz	Workforce Development – Is your community ready for the challenge? A Gen Z Perspective on the 8/14/24 15:19 8/14/24 15:55 0:35 Wastewater industry 8/14/24 15:19 8/14/24 15:55 0:35 Wastewater industry 8/15/24 8:33 8/15/24 9:01 0:27 CERTIFICATION Flexing Your Procurement 8/15/24 9:06 8/15/24 9:37 0:30 Muscle Basics of pH 8/15/24 9:45 8/15/24 10:15 0:30 It's Raining NI The Future of 7/15/24 11:27 8/15/24 11:56 0:29 Credits Requested: Wastewater Total Credits Earned Critical Maintenance Techniques 8/13/24 10:26 8/13/24 11:42 1:15 Your Plant may be over looking Peracetic Acid for Wastewater Sinifection 8. The Benefits to 8/13/24 13:18 8/13/24 13:55 0:36 Large and Small Utilities Optimizing Final Clarifiers – From Concept to Demonstrated 8/13/24 14:00 8/13/24 14:32 0:31 Performance Energy Efficient Retrofits of Oxidation ditches 8/14/24 7:54 8/14/24 8:26 0:32 Oxidation ditches 8/14/24 8:28 8/14/24 9:00 0:32 WWTP Non-Potable Water Systems – The Neglected Plant Process Using your data and SCADA for maintenance and savings SO Years Later and SND Still 8/14/24 13:26 8/14/24 10:00 0:33 SO Years Later and SND Still 8/14/24 13:26 8/14/24 14:35 0:30 Requirements vs. Reality-Design Capacity Compared to 8/14/24 14:05 8/14/24 14:35 0:30 Credits Requested: Wastewater Total Credits Earned Energy Efficient Retrofits of 8/14/24 14:05 8/14/24 14:35 0:30 Requirements vs. Reality-Design Capacity Compared to 8/14/24 14:05 8/14/24 14:35 0:30 Credits Requested: Wastewater Total Credits Earned Energy Efficient Retrofits of 8/14/24 7:57 8/14/24 14:35 0:30	Workforce Development - Is	Workforce Development	Workforce Development—Is your community ready for the challenge? A Genz Perspective on the M2/14/24 15:19 8/14/24 15:55 0:35 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.

	WWTP Non-Potable Water Systems – The Neglected Plant Process	8/14/24 9:29	8/14/24 10:00	0:30	0.5		0.5	0.5
	North Interceptor Sewer - Danville, IN	8/14/24 10:03	8/14/24 10:35	0:31	0.5		0.5	0.5
	Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer	8/14/24 10:27	8/14/24 11:05	0:38	0.5		0.5	0.5
	21ST Century FOG Management	8/14/24 13:17	8/14/24 14:00	0:42	0.5		0.5	0.5
	IU Permits and Applying the Combined Wastestream Formula	8/14/24 14:04	8/14/24 14:35	0:30	0.5		0.5	0.5
	Enforcement Response Plan, Violations, and Significant Non- Compliance	8/14/24 15:14	8/14/24 16:15	1:01	1.0		1.0	1.0
Weaver, Jason	2 11 2				40.0	4.0	44.0	44.0
	Credits Requested: Waster			redits Earned	10.0	4.0	14.0	14.0
	Welcome & Keynote Address	8/13/24 7:49	8/13/24 9:00	1:10		1.0	1.0	1.0
	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	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
Webb, Dr. Bryan								
	Credits Requested: Waster	water	Total C	redits Earned	3.0	1.0	4.0	4.0
	Welcome & Keynote Address	8/13/24 7:55	8/13/24 9:00	1:04		1.0	1.0	1.0
	PFAS Regulations Impact on the Future of Land Application	8/13/24 13:23	8/13/24 13:57	0:33	0.5		0.5	0.5
	Optimizing Final Clarifiers – From Concept to Demonstrated Performance	8/13/24 14:01	8/13/24 14:32	0:30	0.5		0.5	0.5
	Total Nitrogen Treatment – What is Required vs. What is Realistic	8/13/24 14:55	8/13/24 15:27	0:32	0.5		0.5	0.5
	Out In The Field Not In A Book	8/14/24 8:00	8/14/24 8:57	0:57	1.0		1.0	1.0
	Water Treatment Regulatory Terms & Definitions	8/14/24 9:27	8/14/24 10:00	0:33	0.5		0.5	0.5
Weber, Jared	Credits Requested:		Total C	redits Earned	0.5	0.0	0.5	0.5
	WWTP Non-Potable Water Systems – The Neglected Plant Process	8/14/24 9:27	8/14/24 10:00	0:33	0.5		0.5	0.5

Weber, Samuel								
	Credits Requested: PDHs		Total C	Credits Earned	2.5	2.0	4.5	4.5
	Workforce Development Roundtable	8/13/24 9:10	8/13/24 10:16	1:05		1.0	1.0	1.0
	Conversion of an underutilized combined sewer to a storm sewer	8/13/24 10:32	8/13/24 11:10	0:37	0.5		0.5	0.5
	In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana	8/13/24 11:07	8/13/24 11:49	0:42	0.5		0.5	0.5
	Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer	8/14/24 7:50	8/14/24 8:23	0:32	0.5		0.5	0.5
	Hydraulic Modeling - What is it good for?	8/14/24 8:28	8/14/24 9:00	0:32	0.5		0.5	0.5
	Rate inequity: are your residents 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
ehmeyer, Emily					4.0	2.2	4.0	1.0
	Credits Requested:			redits Earned	1.0	3.0	4.0	4.0
	Welcome & Keynote Address	8/13/24 8:05	8/13/24 9:00	0:54		1.0	1.0	1.0
	Workforce Development Roundtable	8/13/24 9:10	8/13/24 10:16	1:05		1.0	1.0	1.0
	IDEM Update	8/13/24 15:59	8/13/24 16:28	0:29		0.5	0.5	0.5
	SRF Basics	8/13/24 15:59	8/13/24 16:29	0:30		0.5	0.5	0.5
	Sustained 60 MGD? Sure, why not!	8/15/24 10:15	8/15/24 10:47	0:31	0.5		0.5	0.5
	UPDATED - Emergency Replacement of a Blower During a Planning Project at the Wyoming Clean Water Plant	8/15/24 11:24	8/15/24 11:57	0:33	0.5		0.5	0.5
/eidenbenner, Whitney					•	4.5		
	Credits Requested: PDHs		Total C	redits Earned	2.0	1.0	3.0	3.0
	PFAS Regulations Impact on the Future of Land Application	8/13/24 13:23	8/13/24 13:57	0:33	0.5		0.5	0.5
	Benefits of Partnering to Reduce Inflow and Infiltration	8/13/24 15:01	8/13/24 15:25	0:24	0.5		0.5	0.5

	The Need to Understand and Manage Water Availability within Basins in Indiana	8/13/24 16:30	8/13/24 16:57	0:27		0.5	0.5	0.5
	Hydraulic Modeling - What is it good for?	8/14/24 8:32	8/14/24 9:00	0:28	0.5		0.5	0.5
	Requirements vs. Reality - Design Capacity Compared to Real World Observations	8/14/24 14:04	8/14/24 14:35	0:31	0.5		0.5	0.5
Weigel, Dick	Credits Requested:		Total C	redits Earned	1.5	1.0	2.5	2.5
	North Interceptor Sewer - Danville, IN	8/14/24 10:04	8/14/24 10:35	0:30	0.5		0.5	0.5
	Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer	8/14/24 10:33	8/14/24 11:05	0:32	0.5		0.5	0.5
	Ethics in Engineering	8/14/24 13:28	8/14/24 14:30	1:02		1.0	1.0	1.0
	Lafayette Prairie Oaks Pipeline Rehab	8/14/24 15:17	8/14/24 15:55	0:38	0.5		0.5	0.5
Welch, Elijah								
	Credits Requested: PDHs		Total C	redits Earned	4.5	4.5	9.0	9.0
	Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks	8/13/24 13:25	8/13/24 13:54	0:29		0.5	0.5	0.5
	Safaris: Crafting Calculation	8/13/24 13:25 8/13/24 14:03	8/13/24 13:54 8/13/24 14:31	0:29		0.5	0.5	0.5
	Safaris: Crafting Calculation Workbooks Regional Stormwater Detention Basins – Treating urban runoff				0.5			
	Safaris: Crafting Calculation Workbooks Regional Stormwater Detention Basins – Treating urban runoff outside your project Benefits of Partnering to Reduce	8/13/24 14:03	8/13/24 14:31	0:27	0.5		0.5	0.5
	Safaris: Crafting Calculation Workbooks Regional Stormwater Detention Basins – Treating urban runoff outside your project Benefits of Partnering to Reduce Inflow and Infiltration	8/13/24 14:03 8/13/24 15:02	8/13/24 14:31 8/13/24 15:25	0:27	0.5	0.5	0.5	0.5
	Safaris: Crafting Calculation Workbooks Regional Stormwater Detention Basins – Treating urban runoff outside your project Benefits of Partnering to Reduce Inflow and Infiltration IDEM Update Forecasting Urban Water Escherichia coli Contamination	8/13/24 14:03 8/13/24 15:02 8/13/24 15:55	8/13/24 14:31 8/13/24 15:25 8/13/24 16:28	0:27 0:22 0:32	0.5	0.5	0.5 0.5 0.5	0.5 0.5 0.5
	Safaris: Crafting Calculation Workbooks Regional Stormwater Detention Basins – Treating urban runoff outside your project Benefits of Partnering to Reduce Inflow and Infiltration IDEM Update Forecasting Urban Water Escherichia coli Contamination Using Machine Learning Models Mastering the Art of Master	8/13/24 14:03 8/13/24 15:02 8/13/24 15:55 8/13/24 16:29	8/13/24 14:31 8/13/24 15:25 8/13/24 16:28 8/13/24 17:00	0:27 0:22 0:32 0:31		0.5	0.5 0.5 0.5	0.5 0.5 0.5

	Credits Requested: PDHs		Total C	redits Earned	1.5	2.0	3.5	3.5
Wenger, Erin	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
	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
	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
	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
	Advancing Better Water Policy and Strategies: The Indiana Water Summit and Roadmap	8/13/24 11:13	8/13/24 11:42	0:29		0.5	0.5	0.5
	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
wendhoit, Kara	Credits Requested:		Total C	redits Earned	2.0	1.5	3.5	3.5
Wendholt, Kara	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
	Contrasting Design Considerations: Municipal Vs Industrial WWTPs	8/15/24 10:59	8/15/24 11:25	0:25		0.5	0.5	0.5
	Sustained 60 MGD? Sure, why not!	8/15/24 10:09	8/15/24 10:47	0:37	0.5		0.5	0.5
	Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges	8/15/24 9:43	8/15/24 10:15	0:31	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
	Emergency Preparedness and Procedures	8/15/24 8:32	8/15/24 9:10	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
	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

	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	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 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	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
Werbianskyj, Greg					44.5	0.5	44.0	110
	Credits Requested: Wastev			redits Earned	11.5	2.5	14.0	14.0
	Welcome & Keynote Address	8/13/24 7:58	8/13/24 9:00	1:01		1.0	1.0	1.0
	Workforce Development Roundtable	8/13/24 9:10	8/13/24 10:16	1:05		1.0	1.0	1.0
	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	0/40/04 44 50	0/42/24 45 25	0.25	0.5		0.5	0.5
	Inflow and Infiltration	8/13/24 14:59	8/13/24 15:25	0:25	0.5		0.5	0.5

	Credits Requested:		iotaic	ieuits carried	3.0	1.0	4.5	4.5
WERNER, JEFF	Credits Requested:		Total C	redits Earned	3.0	1.5	4.5	4.5
	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
	Sustained 60 MGD? Sure, why not!	8/15/24 10:09	8/15/24 10:47	0:38	0.5		0.5	0.5
	Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges	8/15/24 9:45	8/15/24 10:15	0:29	0.5		0.5	0.5
	Primary Clarifier Sludge and Scum	8/15/24 9:08	8/15/24 9:40	0:31	0.5		0.5	0.5
	IWEA WASTEWATER LABORATORY ANALYST CERTIFICATION	8/15/24 8:32	8/15/24 9:01	0:29		0.5	0.5	0.5
	Tips for Labs that you may not know	8/15/24 7:53	8/15/24 8:30	0:37	0.5		0.5	0.5
	Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket	8/14/24 16:29	8/14/24 16:55	0:26	0.5		0.5	0.5
	Use of Pipe Storage System for Sustainable CSO Reduction	8/14/24 15:51	8/14/24 16:26	0:34	0.5		0.5	0.5
	Lafayette Prairie Oaks Pipeline Rehab	8/14/24 15:13	8/14/24 15:55	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
	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
	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
	North Interceptor Sewer - Danville, IN	8/14/24 10:03	8/14/24 10:35	0:31	0.5		0.5	0.5
	Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections	8/14/24 9:24	8/14/24 10:00	0:35	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
	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

	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	0.5
	Electrical Safety for Wastewater Operators and Maintenance Personnel	8/15/24 7:59	8/15/24 8:30	0:31		0.5	0.5	0.5
	Emergency Preparedness and Procedures	8/15/24 8:37	8/15/24 9:10	0:32		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
Wessler, Marty								
	Credits Requested: PDHs		Total C	redits Earned	2.5	1.5	4.0	4.0
	WWTP Non-Potable Water Systems – The Neglected Plant Process	8/14/24 9:28	8/14/24 10:00	0:32	0.5		0.5	0.5
	Using your data and SCADA for maintenance and savings	8/14/24 10:04	8/14/24 11:01	0:57		1.0	1.0	1.0
	50 Years Later and SND Still Works	8/14/24 13:29	8/14/24 14:02	0:32	0.5		0.5	0.5
	Requirements vs. Reality - Design Capacity Compared to Real World Observations	8/14/24 14:03	8/14/24 14:35	0:32	0.5		0.5	0.5
	Lafayette Prairie Oaks Pipeline Rehab	8/14/24 15:17	8/14/24 15:55	0:38	0.5		0.5	0.5
	Use of Pipe Storage System for Sustainable CSO Reduction	8/14/24 15:49	8/14/24 16:26	0:36	0.5		0.5	0.5
	Leading Change	8/14/24 16:29	8/14/24 16:58	0:29		0.5	0.5	0.5
Whitaker, Matt								
	Credits Requested:		Total C	redits Earned	2.5	0.0	2.5	2.5
	Credits Nequested.							

	Understanding the Mechanistic Pathways in Sub and Supercritical Water Oxidation Processes for the Destruction of PFAS and Emerging Contaminants	8/13/24 13:59	8/13/24 14:26	0:27	0.5		0.5	0.5
	Lafayette Prairie Oaks Pipeline Rehab	8/14/24 15:16	8/14/24 15:55	0:39	0.5		0.5	0.5
	Use of Pipe Storage System for Sustainable CSO Reduction	8/14/24 15:50	8/14/24 16:26	0:35	0.5		0.5	0.5
	Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket	8/14/24 16:25	8/14/24 16:55	0:29	0.5		0.5	0.5
White, Amanda	O III D I I DON		-	12. = 1	- r	0.5	C 0	C 0
	Credits Requested: PDHs		Total C	redits Earned	5.5	0.5	6.0	6.0
	WWTP Non-Potable Water Systems – The Neglected Plant Process	8/14/24 9:28	8/14/24 10:00	0:32	0.5		0.5	0.5
	North Interceptor Sewer - Danville, IN	8/14/24 10:04	8/14/24 10:35	0:30	0.5		0.5	0.5
	Foster Park Relief Sewer – Indian Village CSO 005 Connection	8/14/24 13:31	8/14/24 14:00	0:29	0.5		0.5	0.5
	Requirements vs. Reality - Design Capacity Compared to Real World Observations	8/14/24 14:04	8/14/24 14:35	0:31	0.5		0.5	0.5
	Lafayette Prairie Oaks Pipeline Rehab	8/14/24 15:19	8/14/24 15:55	0:36	0.5		0.5	0.5
	Use of Pipe Storage System for Sustainable CSO Reduction	8/14/24 15:49	8/14/24 16:26	0:36	0.5		0.5	0.5
	Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket	8/14/24 16:26	8/14/24 16:55	0:28	0.5		0.5	0.5
	Back to Basics: Review of UV Disinfection	8/15/24 8:35	8/15/24 9:07	0:31	0.5		0.5	0.5
	Keeping Your Clarifiers Happy: Solutions for Variable Flow Challenges	8/15/24 9:44	8/15/24 10:15	0:30	0.5		0.5	0.5
	Sustained 60 MGD? Sure, why not!	8/15/24 10:12	8/15/24 10:47	0:34	0.5		0.5	0.5
	Contrasting Design Considerations: Municipal Vs Industrial WWTPs	8/15/24 10:56	8/15/24 11:25	0:29		0.5	0.5	0.5

White, Kelly	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
trince, Keny	Credits Requested: PDHs		Total C	redits Earned	4.5	2.0	6.5	6.5
	IDEM Update	8/13/24 15:54	8/13/24 16:28	0:34		0.5	0.5	0.5
	Energy Efficient Retrofits of Oxidation ditches	8/14/24 7:49	8/14/24 8:26	0:37	0.5		0.5	0.5
	Benefits of Big Bubble Mixing	8/14/24 8:27	8/14/24 9:00	0:32	0.5		0.5	0.5
	Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections	8/14/24 9:30	8/14/24 10:00	0:29	0.5		0.5	0.5
	North Interceptor Sewer - Danville, IN	8/14/24 10:01	8/14/24 10:35	0:33	0.5		0.5	0.5
	Lafayette Prairie Oaks Pipeline Rehab	8/14/24 15:16	8/14/24 15:55	0:39	0.5		0.5	0.5
	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	1.0
White, Kevin	Condito De sous etecto		T-4-16		2.5	0.0	2 -	2 Γ
	Credits Requested:		I Otal C	redits Earned	3.5	0.0	3.5	3.5
	Critical Maintenance Techniques Your Plant may be over looking	8/13/24 10:36	8/13/24 11:42	1:06	1.0		1.0	1.0
	Benefits of Partnering to Reduce Inflow and Infiltration	8/13/24 14:56	8/13/24 15:25	0:28	0.5		0.5	0.5
	Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer	8/14/24 7:51	8/14/24 8:23	0:32	0.5		0.5	0.5

	Foster Park Relief Sewer – Indian Village CSO 005 Connection	8/14/24 13:29	8/14/24 14:00	0:30	0.5		0.5	0.5
	Lafayette Prairie Oaks Pipeline Rehab	8/14/24 15:16	8/14/24 15:55	0:39	0.5		0.5	0.5
	Use of Pipe Storage System for Sustainable CSO Reduction	8/14/24 15:53	8/14/24 16:26	0:32	0.5		0.5	0.5
Wichman, David	Credits Requested: PDHs		Total C	redits Earned	1.5	2.5	4.0	4.0
	Eliminating the Spreadsheet Safaris: Crafting Calculation Workbooks	8/13/24 13:24	8/13/24 13:54	0:29		0.5	0.5	0.5
	Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis	8/13/24 13:55	8/13/24 14:31	0:35		0.5	0.5	0.5
	Grit Happens: Conquering Startup Challenges during a WWTP Upgrade	8/13/24 14:55	8/13/24 15:28	0:33		0.5	0.5	0.5
	SRF Basics	8/13/24 15:58	8/13/24 16:29	0:31		0.5	0.5	0.5
	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	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
Wilhelm, Rick								
	Credits Requested:			redits Earned	3.5	1.0	4.5	4.5
	Welcome & Keynote Address	8/13/24 7:58	8/13/24 9:00	1:01		1.0	1.0	1.0
	Ultra-Low Phosphorus Limits	8/15/24 7:54	8/15/24 8:30	0:35	0.5		0.5	0.5
	Informed Decision-Making for Electrical and Controls Systems	8/15/24 8:34	8/15/24 9:39	1:05	1.0		1.0	1.0
	Back to Basics: Review of UV Disinfection	8/15/24 8:35	8/15/24 9:07	0:31	0.5		0.5	0.5
	Primary Clarifier Sludge and Scum	8/15/24 9:09	8/15/24 9:40	0:30	0.5		0.5	0.5
	Sustained 60 MGD? Sure, why not!	8/15/24 10:15	8/15/24 10:47	0:32	0.5		0.5	0.5
	It's Raining N! The Future of Total Nitrogen Limits	8/15/24 11:29	8/15/24 11:56	0:26	0.5		0.5	0.5
	· · · · · · · · · · · · · · · · · · ·							

Wilhelm-Olsen, Victoria					4 -			
	Credits Requested:		Total C	redits Earned	1.5	2.5	4.0	4.0
	Hydraulic Modeling - What is it good for?	8/14/24 8:25	8/14/24 9:00	0:35	0.5		0.5	0.5
	Rate inequity: are your residents subsidizing the growth in your community?	8/14/24 9:32	8/14/24 10:30	0:57		1.0	1.0	1.0
	Unveiling the Power of Regionalization: A Strategic Approach for Success	8/14/24 10:34	8/14/24 11:04	0:29		0.5	0.5	0.5
	Foster Park Relief Sewer – Indian Village CSO 005 Connection	8/14/24 13:31	8/14/24 14:00	0:29	0.5		0.5	0.5
	Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana	8/14/24 14:04	8/14/24 14:30	0:25	0.5		0.5	0.5
	A Gen Z Perspective on the Wastewater Industry	8/14/24 15:18	8/14/24 15:55	0:36		0.5	0.5	0.5
	Getting the Next Generation Excited about Wastewater	8/14/24 15:57	8/14/24 16:25	0:28		0.5	0.5	0.5
Vilhelmus, Vince			=		4.0	0.0	4.0	4.0
	Credits Requested:		Total C	credits Earned	4.0	0.0	4.0	4.0
	Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer	8/14/24 7:57	8/14/24 8:23	0:25	0.5		0.5	0.5
	Hydraulic Modeling - What is it good for?	8/14/24 8:24	8/14/24 9:00	0:36	0.5		0.5	0.5
	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
Williams, Andrew	Credits Requested: PDHs		Total C	redits Earned	3.5	6.0	9.5	9.5
	Workforce Development Roundtable	8/13/24 9:10	8/13/24 10:16	1:05		1.0	1.0	1.0
	Critical Maintenance Techniques Your Plant may be over looking	8/13/24 10:28	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	0.5
	The Need to Understand and Manage Water Availability within Basins in Indiana	8/13/24 16:30	8/13/24 16:57	0:27		0.5	0.5	0.5
	Mastering the Art of Master 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
illiams, Craig								
illiams, Craig	Credits Requested: Drinkin	g Water, Wastewater	Total C	redits Earned	4.0	2.5	6.5	6.5
illiams, Craig	Credits Requested: Drinkin Biosolids: Fail to Plan; Plan to Fail	g Water, Wastewater 8/13/24 10:37	Total C 8/13/24 11:42	redits Earned	4.0	2.5	6.5	6.5
illiams, Craig	Biosolids: Fail to Plan; Plan to					0.5		
lliams, Craig	Biosolids: Fail to Plan; Plan to Fail	8/13/24 10:37	8/13/24 11:42	1:04			1.0	1.0

	Unveiling the Power of Regionalization: A Strategic Approach for Success	8/14/24 10:35	8/14/24 11:04	0:28		0.5	0.5	0.5
	Back to Basics: Review of UV Disinfection	8/15/24 8:31	8/15/24 9:07	0:35	0.5		0.5	0.5
	Primary Clarifier Sludge and Scum	8/15/24 9:10	8/15/24 9:40	0:29	0.5		0.5	0.5
	City of Kalamazoo's Holistic Approach to Selecting New Process Technologies	8/15/24 9:45	8/15/24 10:50	1:04		1.0	1.0	1.0
	Keeping pace with current dynamic state of UV disinfection. An overview of different style UV systems, and what are the drivers when picking between technologies.	8/15/24 10:17	8/15/24 11:30	1:12	1.0		1.0	1.0
Williams, Kenneth s	Credits Requested:		Total C	redits Earned	0.5	0.0	0.5	0.5
	Benefits of Partnering to Reduce Inflow and Infiltration	8/13/24 14:49	8/13/24 15:25	0:35	0.5	0.0	0.5	0.5
Williams, Tracy								
	Credits Requested:	0/43/34.0.05		redits Earned	0.0	1.0	1.0	1.0
Williams, William (Bill)	Welcome & Keynote Address	8/13/24 8:05	8/13/24 9:00	0:54		1.0	1.0	1.0
williams, william (bill)	Credits Requested: Waster	water	Total C	redits Earned	4.5	4.0	8.5	8.5
	Welcome & Keynote Address	8/13/24 7:49	8/13/24 9:00	1:10		1.0	1.0	1.0
	Critical Maintenance Techniques Your Plant may be over looking	8/13/24 10:29	8/13/24 11:42	1:13	1.0		1.0	1.0
	PFAS Regulations Impact on the Future of Land Application	8/13/24 13:22	8/13/24 13:57	0:34	0.5		0.5	0.5
	Optimizing Final Clarifiers – From Concept to Demonstrated Performance	8/13/24 14:04	8/13/24 14:32	0:28	0.5		0.5	0.5
	Benefits of Partnering to Reduce Inflow and Infiltration	8/13/24 14:56	8/13/24 15:25	0:28	0.5		0.5	0.5
	IDEM Update	8/13/24 15:59	8/13/24 16:28	0:28		0.5	0.5	0.5
	The Need to Understand and Manage Water Availability within Basins in Indiana	8/13/24 16:32	8/13/24 16:57	0:25		0.5	0.5	0.5
	Hydraulic Modeling - What is it good for?	8/14/24 8:25	8/14/24 9:00	0:35	0.5		0.5	0.5
	Rate inequity: are your residents subsidizing the growth in your community?	8/14/24 9:24	8/14/24 10:30	1:05		1.0	1.0	1.0

	Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer	8/14/24 10:34	8/14/24 11:05	0:31	0.5		0.5	0.5
	Water and Wastewater Workforce Development – Is your community ready for the challenge?	8/14/24 13:35	8/14/24 14:30	0:54		1.0	1.0	1.0
	Adaptive mixing and process optimization with energy savings	8/14/24 15:17	8/14/24 15:50	0:33	0.5		0.5	0.5
	Use of Pipe Storage System for Sustainable CSO Reduction	8/14/24 15:50	8/14/24 16:26	0:35	0.5		0.5	0.5
Wilson, Brian	Cradite Paguastade PDUs		Total C	redits Earned	5.5	0.5	6.0	6.0
	Credits Requested: PDHs		Total C	redits Earned	5.5	0.5	0.0	6.0
	Conversion of an underutilized combined sewer to a storm sewer	8/13/24 10:38	8/13/24 11:10	0:31	0.5		0.5	0.5
	In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana	8/13/24 11:08	8/13/24 11:49	0:41	0.5		0.5	0.5
	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
	Adapt and Overcome: 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

Credits Requested: Total Credits Earned 4.5 4.0 8.5 8 Conversion of an underutilized combined sewer to a storm 8/13/24 10:30 8/13/24 11:10 0:39 0.5
under a Ditch, Railroad, and State Road in Greendale, Indiana 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 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 Wilson, Don Credits Requested: Total Credits Earned 4.5 4.0 8.5 8 Conversion of an underutilized combined sewer to a storm 8/13/24 10:30 8/13/24 11:10 0:39 0.5 0.5 0.5 In Case of Emergency: Keeping Safely in Indianapolis, Indiana Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis Regional Stormwater Detention Basins – Treating urban runoff 8/13/24 14:03 8/13/24 14:31 0:28 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.
Lafayette Prairie Oaks Pipeline Rehab Use of Pipe Storage System for Sustainable CSO Reduction Wilson, Don Credits Requested: Conversion of an underutilized combined sewer to a storm sewer In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana Urban Stormwater Retrofit: Case Study of Broad Ripple Avenue in Indianapolis Regional Stormwater Detention Basins – Treating urban runoff 8/13/24 14:03 8/13/24 14:31 0:28 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5
Sustainable CSO Reduction
Credits Requested: Total Credits Earned 4.5 4.0 8.5 8 Conversion of an underutilized combined sewer to a storm 8/13/24 10:30 8/13/24 11:10 0:39 0.5
Conversion of an underutilized combined sewer to a storm 8/13/24 10:30 8/13/24 11:10 0:39 0.5 0.5 0.5 0.5 conserver In Case of Emergency: Keeping 8/13/24 11:10 8/13/24 11:49 0:39 0.5 0.5 0.5 0.5 conserver and Traffic Flowing Safely in Indianapolis, Indiana Urban Stormwater Retrofit: Case Study of Broad Ripple 8/13/24 13:27 8/13/24 14:01 0:34 0.5 0.5 0.5 0.5 conserver in Indianapolis Regional Stormwater Detention 8/13/24 14:03 8/13/24 14:31 0:28 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5
combined sewer to a storm 8/13/24 10:30 8/13/24 11:10 0:39 0.5 0.5 0.5 0.5 consistency: Keeping 8/13/24 11:10 8/13/24 11:49 0:39 0.5 0.5 0.5 0.5 consistency: Keeping 8/13/24 11:10 8/13/24 11:49 0:39 0.5 0.5 0.5 0.5 consistency: Keeping 8/13/24 11:10 8/13/24 11:49 0:39 0.5 0.5 0.5 consistency: Keeping 8/13/24 11:10 8/13/24 11:49 0:39 0.5 0.5 0.5 consistency: Keeping 8/13/24 11:10 8/13/24 11:49 0:39 0.5 0.5 0.5 consistency: Keeping 8/13/24 11:10 8/13/24 11:49 0:39 0.5 0.5 0.5 consistency: Keeping 8/13/24 11:10 8/13/24 11:49 0:39 0.5 0.5 0.5 consistency: Keeping 8/13/24 11:10 8/13/24 11:49 0:39 0.5 0.5 consistency: Keeping 8/13/24 11:49 0:39 0.5 consistency: Ke
Stormwater and Traffic Flowing Safely in Indianapolis, Indiana Urban Stormwater Retrofit: Case Study of Broad Ripple 8/13/24 13:27 8/13/24 14:01 0:34 0.5 0.5 0.5 Avenue in Indianapolis Regional Stormwater Detention 8/13/24 14:03 8/13/24 14:31 0:28 0.5 0.5 0.5 Basins – Treating urban runoff
Case Study of Broad Ripple 8/13/24 13:27 8/13/24 14:01 0:34 0.5 0.5 0.5 0.5 Control Production Avenue in Indianapolis Regional Stormwater Detention 8/13/24 14:03 8/13/24 14:31 0:28 0.5 0.5 0.5 0.5 Basins – Treating urban runoff
Basins – Treating urban runoff
outside your project
Maximizing the Effectiveness of Your Public Education, Outreach 8/13/24 14:59 8/13/24 15:26 0:26 0.5 0.5 0.5 0.5 and Participation Minimum Control Measures
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 8/13/24 16:32 8/13/24 16:57 0:25 0.5 0.5 0.5 within Basins in Indiana
Adapt and Overcome: Challenges of Rehabilitating a 8/14/24 7:53 8/14/24 8:25 0:32 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5
Hydraulic Modeling - What is it 8/14/24 8:25 8/14/24 9:00 0:35 0.5 0.5 0.5 0.5
0/ 14/ 24 0.23
good for? WWTP Non-Potable Water Systems – The Neglected Plant 8/14/24 9:28 8/14/24 10:00 0:32 0.5 0.5 0.5 0.5

	Indiana Law and Statutes	8/14/24 15:20	8/14/24 16:22	1:02		1.0	1.0	1.0
	Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket	8/14/24 16:30	8/14/24 16:58	0:27	0.5		0.5	0.5
Wilson, Erin								
	Credits Requested: Waster	water	Total C	redits Earned	2.5	0.0	2.5	2.5
	Critical Maintenance Techniques Your Plant may be over looking	8/13/24 10:28	8/13/24 11:42	1:13	1.0		1.0	1.0
	Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections	8/14/24 9:25	8/14/24 10:00	0:34	0.5		0.5	0.5
	Challenges In The Field	8/14/24 10:06	8/14/24 10:58	0:52	1.0		1.0	1.0
Winenger, Justin								
	Credits Requested:		Total C	redits Earned	3.5	3.0	6.0	6.0
	Conversion of an underutilized combined sewer to a storm sewer	8/13/24 10:42	8/13/24 11:10	0:27	0.5	0.5	0.5	0.5
	In Case of Emergency: Keeping Stormwater and Traffic Flowing Safely in Indianapolis, Indiana	8/13/24 11:10	8/13/24 11:49	0:39	0.5		0.5	0.5
	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
WIREBAUGH, DARRELL								
	Credits Requested:		Total C	redits Earned	1.5	0.5	2.0	2.0
	Critical Maintenance Techniques Your Plant may be over looking	8/13/24 10:30	8/13/24 11:42	1:11	1.0		1.0	1.0
	Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities	8/13/24 13:23	8/13/24 13:55	0:31	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
Wirth, Matt								
	Credits Requested:		Total C	redits Earned	0.0	1.0	1.0	1.0
	Ethics in Engineering	8/14/24 13:10	8/14/24 14:30	1:20		1.0	1.0	1.0
Wiseley, Jackson Wiseley								
	Credits Requested:		Total C	redits Earned	6.5	0.5	7.0	7.0
	Biosolids: Fail to Plan; Plan to Fail	8/13/24 10:33	8/13/24 11:42	1:08	1.0		1.0	1.0
	Peracetic Acid for Wastewater Disinfection & The Benefits to Large and Small Utilities	8/13/24 13:25	8/13/24 13:55	0:29	0.5		0.5	0.5
	Regional Stormwater Detention Basins – Treating urban runoff outside your project	8/13/24 14:03	8/13/24 14:31	0:28		0.5	0.5	0.5
	Maximizing the Effectiveness of Your Public Education, Outreach and Participation Minimum Control Measures	8/13/24 14:54	8/13/24 15:26	0:31	0.5		0.5	0.5
	Whole Effluent Toxicity (WET) Testing Requirements for NPDES Permits	8/13/24 15:57	8/13/24 16:55	0:57	1.0		1.0	1.0
	Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections	8/14/24 9:34	8/14/24 10:00	0:25	0.5		0.5	0.5

	Challenges In The Field	8/14/24 10:02	8/14/24 10:58	0:55	1.0		1.0	1.0
	50 Years Later and SND Still Works	8/14/24 13:33	8/14/24 14:02	0:28	0.5		0.5	0.5
	IU Permits and Applying the Combined Wastestream Formula	8/14/24 14:04	8/14/24 14:35	0:30	0.5		0.5	0.5
	Basics of pH	8/15/24 9:44	8/15/24 10:15	0:31	0.5		0.5	0.5
	It's Raining N! The Future of Total Nitrogen Limits	8/15/24 11:26	8/15/24 11:56	0:30	0.5		0.5	0.5
ithers, Amanda								
	Credits Requested: PDHs		Total C	redits Earned	2.0	3.5	5.5	5.5
	IDEM Update	8/13/24 16:00	8/13/24 16:28	0:28		0.5	0.5	0.5
	Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer	8/14/24 8:16	8/14/24 8:25	0:08	0.0		0.0	0.0
	Using Al, GIS & Digital Twins to Drive Smarter Sewer Inspections	8/14/24 9:31	8/14/24 10:00	0:28	0.5		0.5	0.5
	Water 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
olff, Tina	Credits Requested:		Total C	redits Earned	1.5	1.5	3.0	3.0
	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
d, Anthony						4.0		
	Credits Requested: Wastev	vater	Total C	redits Earned	5.0	1.0	6.0	6.0
	Mastering the Art of Master Planning	8/14/24 8:00	8/14/24 9:00	1:00	1.0		1.0	1.0
	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
ht, Christopher	Credits Requested: Wastew	vater	Total C	redits Earned	9.0	0.5	9.5	9.5

	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: 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
Yeary, Robert	Credits Requested:		Total C	Credits Earned	0.0	0.5	0.5	0.5
	Electrical Safety for Wastewater Operators and Maintenance Personnel	8/15/24 7:59	8/15/24 8:30	0:31	0.0	0.5	0.5	0.5
Zak, Nick	Credits Requested:		Total C	5.0	0.0	5.0	5.0	
	Adapt and Overcome: Challenges of Rehabilitating a 90-inch Sewer	8/14/24 7:54	8/14/24 8:25	0:31	0.5		0.5	0.5
	Hydraulic Modeling - What is it good for?	8/14/24 8:27	8/14/24 9:00	0:33	0.5		0.5	0.5
	Using AI, GIS & Digital Twins to Drive Smarter Sewer Inspections	8/14/24 9:31	8/14/24 10:00	0:28	0.5		0.5	0.5
	North Interceptor Sewer - Danville, IN	8/14/24 10:04	8/14/24 10:35	0:30	0.5		0.5	0.5

	Howard Roosa Sewer – The Final Outcome of this Non- Traditional, Flexible Approach to Salvaging an Almost 100-Year- Old Sewer	8/14/24 10:26	8/14/24 11:05	0:38	0.5		0.5	0.5
	Foster Park Relief Sewer – Indian Village CSO 005 Connection	8/14/24 13:25	8/14/24 14:00	0:35	0.5		0.5	0.5
	Critical Crossing: Gravity Sewer under a Ditch, Railroad, and State Road in Greendale, Indiana	8/14/24 14:03	8/14/24 14:30	0:27	0.5		0.5	0.5
	Lafayette Prairie Oaks Pipeline Rehab	8/14/24 15:17	8/14/24 15:55	0:38	0.5		0.5	0.5
	Use of Pipe Storage System for Sustainable CSO Reduction	8/14/24 15:50	8/14/24 16:26	0:35	0.5		0.5	0.5
	Minges Brook Pump Station - Ten Gallons of Pump Station in a Five Gallon Bucket	8/14/24 16:27	8/14/24 16:55	0:27	0.5		0.5	0.5
Zeck, Ryan	Credits Requested:		Total C	redits Earned	1.0	0.0	1.0	1.0
	Biosolids: Fail to Plan; Plan to Fail	8/13/24 10:31	8/13/24 11:42	1:10	1.0		1.0	1.0
Ziino, Kate	Credits Requested: PDHs		Total C	Credits Earned	6.5	5.0	10.5	10.5
	Welcome & Keynote Address	8/13/24 7:48	8/13/24 9:00	1:11		1.0	1.0	1.0
	Workforce Development Roundtable	8/13/24 9:10	8/13/24 10:16	1:06		1.0	1.0	1.0
	Biosolids: Fail to Plan; Plan to Fail	8/13/24 10:28	8/13/24 11:42	1:13	1.0		1.0	1.0
		8/13/24 10:28 8/13/24 13:27	8/13/24 11:42 8/13/24 13:57	1:13	0.5		1.0 0.5	0.5
	Fail PFAS Regulations Impact on the					0.5		
	Fail PFAS Regulations Impact on the Future of Land Application Communication & Collaboration: How we managed multiple design iterations of a 600,000	8/13/24 13:27	8/13/24 13:57	0:29		0.5	0.5	0.5
	Fail PFAS Regulations Impact on the Future of Land Application Communication & Collaboration: How we managed multiple design iterations of a 600,000 storage facility in Indianapolis Benefits of Partnering to Reduce	8/13/24 13:27 8/13/24 13:58	8/13/24 13:57 8/13/24 14:31	0:29	0.5	1.0	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