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## Approval Details:

At the NWEA has approved WEFTEC 2024® for Continuing Education credits (CEUs). Please review the session list below showing specific session approval details.

Attendees are required to submit copies of their certificate and transcript directly to the state. Operators and Engineers should also supply WEF with their State License Number during or following the conference.

WEF is also required to submit a copy of the detailed attendee list of participants after each conference.

<b>Course#</b>	<b>APPROVED</b>	<b>Session Title</b>	<b>Total CE Hours</b>	<b>Session Number</b>
NV24-554	No	DE&I: Representation and Impact		<b>207</b>
NV24-555	No	Case Studies Implementing Stormwater Parks and Green Infrastructure Across North America		<b>213</b>
NV24-556	No	Effective Strategies for Managing Organics in IPR/DPR Systems		<b>216</b>
NV24-557	No	Stormwater Infrastructure Operation and Maintenance: Management and Funding		<b>231</b>
NV24-558	No	Financing Stormwater Infrastructure in Communities		<b>311</b>
NV24-559	No	Tools for Urban Flood Management and Forecasting		<b>312</b>
NV24-560	No	Resilient Communities Tackling Climate Challenges		<b>313</b>
NV24-561	No	Climate-Proofing Our Cities: Transformative Solutions		<b>406</b>
NV24-562	No	Modeling for Inland Flood Resilience		<b>429</b>
NV24-563	No	Mobilizing Emergency Response: Collaborative Strategies for Ensuring Safe Water in Jackson, Mississippi for All		<b>432</b>
NV24-564	No	Resilient Development: Insights from Urban and Coastal Areas		<b>512</b>
NV24-565	No	Fundamentals of Collaborative Delivery		<b>W15</b>
NV24-566	No	Learning to Communicate: Connecting with Audiences and Telling Your Story		<b>W16</b>
NV24-567	No	Lake Borgne Surge Barrier		<b>FT1</b>
NV24-568	No	Infrastructure Resilience and Reliability: Sewerage and Water Board of New Orleans Power Complex		<b>FT2</b>
NV24-569	No	Using Green to Aid the Gray: Sewerage and Water Board of New Orleans Green Infrastructure tour		<b>FT6</b>
NV24-570	Yes	THP: Downstream Process and Maintenance Challenges	<b>1.5</b>	<b>201</b>
NV24-571	Yes	The Ultimate Collection Systems Basics Trivia Challenge 3.0	<b>1.5</b>	<b>202</b>
NV24-572	Yes	Improving Disinfection Processes through Machine Learning	<b>1.5</b>	<b>203</b>
NV24-573	Yes	Leveraging Automation and Analytics for Better Situational Awareness and Optimization: Part I	<b>1.5</b>	<b>205</b>
NV24-574	Yes	Building a Hydrogen Future	<b>1.5</b>	<b>206</b>
NV24-575	Yes	Solutions and Ideas From Award Winning Industrial Experts	<b>1.0</b>	<b>208</b>
NV24-576	Yes	Ceramic Membranes for Industrial Water Reuse and Recovery	<b>1.5</b>	<b>209</b>
NV24-577	Yes	Optimization of MBR Technology	<b>1.5</b>	<b>210</b>
NV24-578	Yes	Innovative Approaches to Address Traditional Operational Challenges	<b>1.5</b>	<b>211</b>
NV24-579	YES	WEF/AEESP Master Lecture: Tanja Rauch-Williams	<b>1.5</b>	<b>212</b>
NV24-580	Yes	Leveraging Digital Technologies to Make Better Decisions	<b>1.5</b>	<b>214</b>
NV24-581	Yes	Decentralized Systems: Wastewater Management for Small Communities	<b>1.5</b>	<b>215</b>
NV24-582	Yes	Navigating Nutrient Dynamics: Modeling for Water Quality Excellence	<b>1.5</b>	<b>217</b>
NV24-583	Yes	Managing Biosolids for Tomorrow: Infinite Resources, Finite Uses	<b>1.5</b>	<b>218</b>
NV24-584	Yes	Advances in Anaerobic Digestion	<b>1.5</b>	<b>219</b>
NV24-585	Yes	Unleashing the Power of Digital Tools for Your Collection System	<b>1.5</b>	<b>220</b>
NV24-586	Yes	Reducing Wet Weather Flows Using Public and Private I/I Removal Solutions	<b>1.5</b>	<b>221</b>
NV24-587	Yes	Microplastics in WRRFs: Research, Risk, and Regulation Updates	<b>1.5</b>	<b>222</b>
NV24-588	Yes	Integrated Resilience and Reliability Planning	<b>1.5</b>	<b>223</b>

NV24-589	Yes	Leveraging Automation and Analytics for Better Situational Awareness and Optimization: Part II	1.0	224
NV24-590	Yes	Community-based Approach to Generate Equitable and Just Outcomes through Infrastructure Planning	1.5	225
NV24-591	Yes	Emerging Technical and Regulatory Issues in Petroleum Refinery Wastewater Management	1.5	226
NV24-592	Yes	EBPR Pulse: Current Trends, Full-Scale Optimization, Model for Sustainability	1.5	227
NV24-593	Yes	Optimizing Design for Increased Capacity	1.5	228
NV24-594	Yes	Standing on the Shoulders of Giants: Revisiting Seminal WER Papers	1.0	229
NV24-595	Yes	Revolutionizing PFAS Treatment: Harnessing the Power of Media Technologies	1.5	230
NV24-596	Yes	Consumer Education Fights Back at Collection Systems Under Attack	1.5	232
NV24-597	Yes	Shaping the Future of Potable Reuse	1.5	233
NV24-598	Yes	Nutrient Management: GET OUT (The Nutrients)!	1.5	234
NV24-599	Yes	Water Policy Update: Part 2	1.5	235
NV24-600	Yes	Thickening and Dewatering: Design Considerations	1.5	301
NV24-601	Yes	Planning Techniques to Support I/I Mitigation, Master Plans and Design	1.5	302
NV24-602	Yes	Translating PFAS Risk Assessment into Regulation and Action	1.5	303
NV24-603	Yes	Intercepting Odors and Corrosion: Modeling, Mitigation, and Monitoring	1.5	304
NV24-604	Yes	Energy Conservation: From a Want to a Must	1.5	305
NV24-605	Yes	Assessing Climate Risk and Its Impact on Utility Operations: Financial Resilience and Insurability	1.5	306
NV24-606	Yes	Petroleum Refinery Problem Wastewater Constituent Removal Advances	1.5	307
NV24-607	Yes	Driving the Circular Water Economy by Reusing Industrial and Municipal Effluents	1.5	308
NV24-608	Yes	Internal Stored Carbon for Nutrient Removal	1.5	309
NV24-609	Yes	Fundamentals of Biofilm Reactor Design and Operation	1.5	310
NV24-610	Yes	Advancing Your Condition Assessment Program through Digital Technologies	1.5	314
NV24-611	Yes	Enhancing Water Safety: MBR & RO Technologies for Achieving LRV Credits	1.5	315
NV24-612	Yes	Innovative Approaches to Wastewater and Stormwater Permitting	1.5	316
NV24-613	Yes	Data to Decisions: Leveraging Machine Learning, Advanced Remote Sensing, and Automation to Develop Environmental Solutions	1.5	317
NV24-614	Yes	Developments in Hydrothermal Liquefaction for WRRFs	1.5	401
NV24-615	Yes	Greenhouse Gas Strategies in Action: Measure to Mitigate	1.5	402
NV24-616	Yes	Interactive I/I Program Development: WEF -Town Needs Your Help!	1.5	403
NV24-617	Yes	How Could EPA's 2023 Review of Recreational Water Quality Criteria Affect WRRFs?	1.5	404
NV24-618	Yes	Protect Your Utility From Cyber Attacks	1.5	405
NV24-619	Yes	Indigenous Environmental Practices: Lessons from the Past for the Future	1.5	407
NV24-620	Yes	Treatment Challenges and Reuse within the Semiconductor Industry	1.5	408
NV24-621	Yes	Microbial Ecology Selection Under Low DO Concentration	1.5	409
NV24-622	Yes	Mechanistic Modeling Developments for Newer Processes	1.0	410

NV24-623	Yes	Primary, Secondary, and Tertiary Applications of Advanced Filtration Technology	1.5	411
NV24-624	Yes	Full-scale Demonstrations: Balancing Risks and Rewards for Successful Innovation	1.5	412
NV24-625	Yes	Manufacturer Highlights for Small Communities: Packaging the Big for the Small	1.5	413
NV24-626	Yes	PFAS in Wastewater: What Should Utilities Do Next?	1.5	414
NV24-627	Yes	International Experience: Safeguarding Our Shared Water Resources	1.5	415
NV24-628	Yes	Maintaining Water Quality During Wet Weather Events	1.5	416
NV24-629	Yes	PFAS in Biosolids: Remove and Track it	1.5	417
NV24-630	Yes	Pump Station Design Considerations and Construction Solutions	1.5	418
NV24-631	Yes	Application of Machine Learning and Modeling in Carbon Diversion Technologies	1.5	419
NV24-632	Yes	Enhancing Nitrogen Removal: Insights Into Carbon Sources and Mechanisms	1.5	420
NV24-633	Yes	Optimizing Membrane Efficiency for Water Reuse and Disinfection	1.5	421
NV24-634	Yes	Exploring the Future Impacts and Improving Utility's Readiness for AI Implementation	1.5	422
NV24-635	Yes	Resilient Solutions in Response to Nature's Forces	1.5	423
NV24-636	Yes	Water Recovery in Livestock Production	1.0	424
NV24-637	Yes	Zero Liquid Discharge (ZLD): Process Selection, Design, and Operations	1.5	425
NV24-638	Yes	N <sub>2</sub> O Unmasked: Understanding and Taming Emissions	1.5	426
NV24-639	Yes	Benefits and Approaches to Moving Dewatering into the Modeling Realm	1.5	427
NV24-640	Yes	Advancements in Nutrient Removal: Insights from Urban Watersheds	1.5	428
NV24-641	Yes	What Will You Make of Your Biogas?	1.5	430
NV24-642	Yes	What IS the Workforce of the Future?: Utility Leaders Roundtable	1.5	431
NV24-643	Yes	Alternative Delivery for Potable Water Reuse Projects	1.5	433
NV24-644	Yes	Enhancing Digestion to Improve Operations and Resource Recovery: Capture of Control	1.5	501
NV24-645	Yes	Exploring Force Main Condition Assessment Programs	1.5	502
NV24-646	Yes	Peracids Challenge Traditional Disinfectants	1.5	503
NV24-647	Yes	Progression of PdNA: Development to Full-Scale	1.5	504
NV24-648	Yes	Air Quality Issues Beyond Odors: Bioaerosols and GHGs	1.5	505
NV24-649	Yes	Leveraging Advanced Condition Assessments for Facility Planning Activities	1.5	506
NV24-650	Yes	PFAS Management for Industrial Dischargers	1.5	507
NV24-651	Yes	Lithium Recovery Using Advanced Water Treatment Technologies	1.5	508
NV24-652	Yes	Leveraging Machine Learning for Facility Operations	1.5	509
NV24-653	Yes	Full-scale Intensification Experience	1.5	510
NV24-654	Yes	The ABCs of Bioaugmentation	1.5	511
NV24-655	YEs	Building the Workforce of Tomorrow	1.5	513
NV24-656	Yes	Cybersecurity Threats: Managing Your Facility's Risk	1.5	514
NV24-657	Yes	Optimizing IPR/DPR Projects: Harnessing the Power of Ozone	1.5	515
NV24-658	Yes	PFAS in Wastewater and Biosolids: Measurement Methods and Fate During Thermal Processes	1.5	516
NV24-659	Yes	Revolutionizing Septic to Sewer Conversions	1.5	517
NV24-660	Yes	What's New in UV?	1.5	518

NV24-661	Yes	Accommodating Industrial Effluents in Municipal Treatment Facilities	1.5	519
NV24-662	Yes	Anoxic Reactor Design for Low Energy BNR	1.5	520
NV24-663	Yes	Process Intensification Using Hydrocyclones	1.5	521
NV24-664	Yes	Three Different Flavors of Improvement for Preliminary/Primary Treatment	1.5	522
NV24-665	Yes	Using Side-Stream Enhanced Biological Phosphorus Removal to Improve EBPR Performance	1.5	523
NV24-666	Yes	Synergizing Digital Solutions and Ozonation for Treatment of Micropollutants	1.5	524
NV24-667	Yes	Wastewater Microbiology	6.0	W01
NV24-668	Yes	Operationalizing Digital Twins to Advance Process Control and Optimization	6.0	W02
NV24-669	Yes	Thickening Optimization: Improve Performance and Benefit Multiple Plant Processes	6.0	W03
NV24-670	Yes	Operation and Maintenance from Water Reuse to Advanced Water Purification	6.0	W04
NV24-671	Yes	Refinery and Petrochemical Wastewater Treatment: Process Control Strategies	6.0	W05
NV24-672	Yes	Aeration Control for Practitioners: Advanced Control and Optimization Techniques for Aeration, Process, and Energy	6.0	W06
NV24-673	Yes	Advanced Primary Treatment Technologies for Carbon Diversion & Management at WRRFs	6.0	W07
NV24-674	Yes	Wastewater Microbiology-	6.0	W08
NV24-675	Yes	Activated Sludge and Biological Nutrient Removal Process Control: Hands-On in the Real World (Off-Site)	6.0	W09
NV24-676	Yes	Water Environment Federation/The Water Research Foundation: Doing More, with Less—Implementing Machine Learning Process Controls at Water Resource Recovery Facilities	6.0	W10
NV24-677	Yes	Water Environment Federation/The Water Research Foundation: Renewable Revenue Streams Through Best Practices and Safe Operation of Renewable Natural Gas Facilities	6.0	W11
NV24-678	Yes	Smart Infrastructure for Sewer Solutions	6.0	W12
NV24-679	Yes	Understanding and Applying Disinfection Fundamentals (Off-site)	6.0	W13
NV24-680	Yes	The Future of Water Reuse Using Carbon-Based Advanced Treatment (CBAT) to Implement 'One Water' Initiatives	6.0	W14
NV24-681	Yes	Assessing Sewer Septicity: Applying Tools to Save Money and Trouble	6.0	W17
NV24-682	Yes	Navigating the Water Sector's Path to Net Zero	6.0	W18
NV24-683	Yes	Water Leadership Institute Workshop	6.0	WLI
NV24-684	Yes	Abita Brewing Company	4.5	FT3
NV24-685	Yes	More Than 100 Years of Draining New Orleans: Drainage Pumping Station 6 Tour	2.25	FT4
NV24-686	Yes	Living with Water in the Pontchartrain Basin – a Tour by Pontchartrain Conservancy	4.5	FT5