

Contact Information:

Vermont Wastewater Facility Operator Certification Program WWT

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Approval Details:

The Vermont Wastewater Operator Certification Program approves the Technical Sessions, Workshops, Facility Tours (of WW facilities) and Operations Challenge for training credits related to wastewater. No credit will be awarded for: General Session or Exhibit Hall time.

Attendees are responsible for submitting WEF documentation. WEF is also responsible for submitting a detailed attendee listing to the state post-conference.

Please see attached Session Approval Listing for specific details...

Session Number	Session Title	Date	Start Time	End Time	Credit Type	Wastewater
TECHNICAL SESSIONS - TECHNICAL SESSIONS - TECHNICAL SESSIONS - TECHNICAL SESSION						
OGS	Opening General Session	10/7/2024	8:30 AM	9:30 AM	GCH	0.50
200	Water Policy Update Part 1	10/7/2024	1:30 PM	3:00 PM	PDH	0.50
235	Water Policy Update Part 2	10/7/2024	3:30 PM	5:00 PM	PDH	0.50
201	THP: Downstream Process and Maintenance Challenges	10/7/2024	1:30 PM	3:00 PM	PDH	1.0
203	Improving Disinfection Processes through Machine Learning	10/7/2024	1:30 PM	3:00 PM	PDH	1.5
205	Leveraging Automation and Analytics for Better Situational Awareness and Optimization: Part I	10/7/2024	1:30 PM	3:00 PM	PDH	1.5
206	Building a Hydrogen Future	10/7/2024	1:30 PM	3:00 PM	PDH	1.5
207	DE&I: Representation and Impact	10/7/2024	1:30 PM	3:00 PM	PDH	0.50
210	Optimization of MBR Technology	10/7/2024	1:30 PM	3:00 PM	PDH	1.5
211	Innovative Approaches to Address Traditional Operational Challenges	10/7/2024	1:30 PM	3:00 PM	PDH	1.0
212	WEF/AEESP Master Lecture: Tanja Rauch-Williams	10/7/2024	1:30 PM	3:00 PM	PDH	1.5
214	Leveraging Digital Technologies to Make Better Decisions	10/7/2024	1:30 PM	3:00 PM	PDH	1.5
215	Decentralized Systems: Wastewater Management for Small Communities	10/7/2024	1:30 PM	3:00 PM	PDH	1.5
217	Navigating Nutrient Dynamics: Modeling for Water Quality Excellence	10/7/2024	1:30 PM	3:00 PM	PDH	1.5
218	Managing Biosolids for Tomorrow: Infinite Resources, Finite Uses	10/7/2024	3:30 PM	5:00 PM	PDH	1.0
219	Advances in Anaerobic Digestion	10/7/2024	3:30 PM	5:00 PM	PDH	1.0
222	Microplastics in WRRFs: Research, Risk, and Regulation Updates	10/7/2024	3:30 PM	5:00 PM	PDH	1.5
223	Integrated Resilience and Reliability Planning	10/7/2024	3:30 PM	4:30 PM	PDH	0.50
224	Leveraging Automation and Analytics for Better Situational Awareness and Optimization: Part II	10/7/2024	3:30 PM	5:00 PM	PDH	1.5
225	Community-based Approach to Generate Equitable and Just Outcomes through Infrastructure Planning	10/7/2024	3:30 PM	4:30 PM	PDH	1.5
227	EBPR Pulse: Current Trends, Full-Scale Optimization, Model for Sustainability	10/7/2024	3:30 PM	5:00 PM	PDH	1.0
228	Optimizing Design for Increased Capacity	10/7/2024	3:30 PM	5:00 PM	PDH	1.5
229	Standing on the Shoulders of Giants: Revisiting Seminal WER Papers	10/7/2024	3:30 PM	5:00 PM	PDH	1.0
230	Revolutionizing PFAS Treatment: Harnessing the Power of Media Technologies	10/7/2024	3:30 PM	5:00 PM	PDH	0.50
235	Water Policy Update: Part 2	10/7/2024	3:30 PM	5:00 PM	PDH	0.50
301	Thickening and Dewatering: Design Considerations	10/8/2024	8:30 AM	10:00 AM	PDH	1.0
302	Planning Techniques to Support I/I Mitigation, Master Plans and Design	10/8/2024	8:30 AM	10:00 AM	PDH	1.0
304	Intercepting Odors and Corrosion: Modeling, Mitigation, and Monitoring	10/8/2024	8:30 AM	10:00 AM	PDH	1.0
305	Energy Conservation: From a Want to a Must	10/8/2024	8:30 AM	10:00 AM	PDH	1.0
306	Assessing Climate Risk and Its Impact on Utility Operations: Financial Resilience and Insurability	10/8/2024	8:30 AM	10:00 AM	PDH	0.50

307	Petroleum Refinery Problem Wastewater Constituent Removal Advances	10/8/2024	8:30 AM	10:00 AM	PDH	1.5
308	Driving the Circular Water Economy by Reusing Industrial and Municipal Effluents	10/8/2024	8:30 AM	10:00 AM	PDH	0.50
309	Internal Stored Carbon for Nutrient Removal	10/8/2024	8:30 AM	10:00 AM	PDH	1.5
310	Fundamentals of Biofilm Reactor Design and Operation	10/8/2024	8:30 AM	10:00 AM	PDH	1.5
315	Enhancing Water Safety: MBR & RO Technologies for Achieving LRV Credits	10/8/2024	8:30 AM	10:00 AM	PDH	1.5
316	Innovative Approaches to Wastewater and Stormwater Permitting	10/8/2024	8:30 AM	10:00 AM	PDH	1.0
401	Developments in Hydrothermal Liquefaction for WRRFs	10/8/2024	1:30 PM	3:00 PM	PDH	1.5
402	Greenhouse Gas Strategies in Action: Measure to Mitigate	10/8/2024	1:30 PM	3:00 PM	PDH	1.0
404	How Could EPA's 2023 Review of Recreational Water Quality Criteria Affect WRRFs?	10/8/2024	1:30 PM	3:00 PM	PDH	1.5
405	Protect Your Utility From Cyber Attacks	10/8/2024	1:30 PM	3:00 PM	PDH	0.75
407	Indigenous Environmental Practices: Lessons from the Past for the Future	10/8/2024	1:30 PM	3:00 PM	PDH	0.75
408	Treatment Challenges and Reuse within the Semiconductor Industry	10/8/2024	1:30 PM	3:00 PM	PDH	0.50
409	Microbial Ecology Selection Under Low DO Concentration	10/8/2024	1:30 PM	3:00 PM	PDH	1.5
411	Primary, Secondary, and Tertiary Applications of Advanced Filtration Technology	10/8/2024	1:30 PM	3:00 PM	PDH	1.0
412	Full-scale Demonstrations: Balancing Risks and Rewards for Successful Innovation	10/8/2024	1:30 PM	3:00 PM	PDH	1.5
413	Manufacturer Highlights for Small Communities: Packaging the Big for the Small	10/8/2024	1:30 PM	3:00 PM	PDH	1.5
414	PFAS in Wastewater: What Should Utilities Do Next?	10/8/2024	1:30 PM	3:00 PM	PDH	0.75
415	International Experience: Safeguarding Our Shared Water Resources	10/8/2024	1:30 PM	3:00 PM	PDH	1.0
417	PFAS in Biosolids: Remove and Track it	10/8/2024	3:30 PM	5:00 PM	PDH	1.0
419	Application of Machine Learning and Modeling in Carbon Diversion Technologies	10/8/2024	3:30 PM	5:00 PM	PDH	1.5
420	Enhancing Nitrogen Removal: Insights Into Carbon Sources and Mechanisms	10/8/2024	3:30 PM	5:00 PM	PDH	1.0
422	Exploring the Future Impacts and Improving Utility's Readiness for AI Implementation	10/8/2024	3:30 PM	5:00 PM	PDH	0.75
426	N ₂ O Unmasked: Understanding and Taming Emissions	10/8/2024	3:30 PM	5:00 PM	PDH	1.5
427	Benefits and Approaches to Moving Dewatering into the Modeling Realm	10/8/2024	3:30 PM	5:00 PM	PDH	1.5
430	What Will You Make of Your Biogas?	10/8/2024	3:30 PM	5:00 PM	PDH	1.0
431	What IS the Workforce of the Future?: Utility Leaders Roundtable	10/8/2024	3:30 PM	5:00 PM	PDH	0.75
433	Alternative Delivery for Potable Water Reuse Projects	10/8/2024	3:30 PM	5:00 PM	PDH	0.50
501	Enhancing Digestion to Improve Operations and Resource Recovery: Capture of Control	10/9/2024	8:30 AM	10:00 AM	PDH	1.0
502	Exploring Force Main Condition Assessment Programs	10/9/2024	8:30 AM	10:00 AM	PDH	0.50
503	Peracids Challenge Traditional Disinfectants	10/9/2024	8:30 AM	10:00 AM	PDH	1.0
504	Progression of PdNA: Development to Full-Scale	10/9/2024	8:30 AM	10:00 AM	PDH	1.5

505	Air Quality Issues Beyond Odors: Bioaerosols and GHGs	10/9/2024	8:30 AM	10:00 AM	PDH	0.50
506	Leveraging Advanced Condition Assessments for Facility Planning Activities	10/9/2024	8:30 AM	10:00 AM	PDH	1.5
507	PFAS Management for Industrial Dischargers	10/9/2024	8:30 AM	10:00 AM	PDH	0.50
509	Leveraging Machine Learning for Facility Operations	10/9/2024	8:30 AM	10:00 AM	PDH	1.5
510	Full-scale Intensification Experience	10/9/2024	8:30 AM	10:00 AM	PDH	1.0
511	The ABCs of Bioaugmentation	10/9/2024	8:30 AM	10:00 AM	PDH	1.5
514	Cybersecurity Threats: Managing Your Facility's Risk	10/9/2024	8:30 AM	10:00 AM	PDH	0.75
515	Optimizing IPR/DPR Projects: Harnessing the Power of Ozone	10/9/2024	8:30 AM	10:00 AM	PDH	0.75
516	PFAS in Wastewater and Biosolids: Measurement Methods and Fate During Thermal Processes	10/9/2024	10:30 AM	12:00 PM	PDH	1.0
517	Revolutionizing Septic to Sewer Conversions	10/9/2024	10:30 AM	12:00 PM	PDH	0.50
518	What's New in UV?	10/9/2024	10:30 AM	12:00 PM	PDH	1.5
520	Anoxic Reactor Design for Low Energy BNR	10/9/2024	10:30 AM	12:00 PM	PDH	1.5
521	Process Intensification Using Hydrocyclones	10/9/2024	10:30 AM	12:00 PM	PDH	1.5
522	Three Different Flavors of Improvement for Preliminary/Primary Treatment	10/9/2024	10:30 AM	12:00 PM	PDH	1.5
523	Using Side-Stream Enhanced Biological Phosphorus Removal to Improve EBPR Performance	10/9/2024	10:30 AM	12:00 PM	PDH	1.5
524	Synergizing Digital Solutions and Ozonation for Treatment of Micropollutants	10/9/2024	10:30 AM	12:00 PM	PDH	1.0
525	Impacts of Innovative Solutions on Stormwater Data Gathering and Analysis	10/9/2024	10:30 AM	12:00 PM	PDH	0.50
526	Outcome and Value-driven Asset Management: Of the People, For the People, By the People	10/9/2024	10:30 AM	12:00 PM	PDH	1.5
527	How Can 3D Scanning and Virtual Reality Be Leveraged for Water Utilities?	10/9/2024	10:30 AM	12:00 PM	PDH	1.5
529	Stakeholder Engagement Strategies to Promote Green Infrastructure and Environmental Justice	10/9/2024	10:30 AM	12:00 PM	PDH	0.50
530	Advancements in Non-RO Treatment for IPR/DPR: Exploring Cutting-Edge Solutions	10/9/2024	10:30 AM	12:00 PM	PDH	1.0
531	One Water Approaches from Urban Strategies to Coastal Resilience	10/9/2024	10:30 AM	12:00 PM	PDH	1.0
601	Making Money with Biogas: Co-Digestion and RNG	10/9/2024	1:30 PM	3:00 PM	PDH	0.50
603	Innovations in Phosphorus Management: From Models to Solutions	10/9/2024	1:30 PM	3:00 PM	PDH	1.0
604	Non-PFAS Up and Coming Concerns	10/9/2024	1:30 PM	2:30 PM	PDH	1.0
605	PFAS Removal and Destruction Using Novel Technologies	10/9/2024	1:30 PM	3:00 PM	PDH	0.50
606	Evaluating Plantwide Impacts of AGS and DAS	10/9/2024	1:30 PM	3:00 PM	PDH	1.5
607	Innovations in Partial-Nitrification-Anammox Processes	10/9/2024	1:30 PM	3:00 PM	PDH	1.5
608	Green Infrastructure Implementation at Home and Abroad	10/9/2024	1:30 PM	3:00 PM	PDH	1.0
609	WIFIA and SRF Funding Accelerate Nutrient Removal in Wichita, Kansas	10/9/2024	1:30 PM	2:30 PM	PDH	0.75
610	Automation and Analysis: Data-Driven Strategies Improve Utility Processes	10/9/2024	1:30 PM	3:00 PM	PDH	0.75
611	Coastal Water Management: Strategies to Eliminate Ocean Discharge	10/9/2024	1:30 PM	3:00 PM	PDH	1.0
612	Partnerships and Collaboration: Cornerstones for Successful Collaborative Project Delivery	10/9/2024	1:30 PM	3:00 PM	PDH	0.75

WORKSHOPS - WORKSHOPS - WORKSHOPS - WORKSHOPS - WORKSHOPS - WORKSHOPS -

W01	Wastewater Microbiology	10/5/2024	8:30 AM	5:00 PM	CEU	6.0
W02	Operationalizing Digital Twins to Advance Process Control and Optimization	10/5/2024	8:30 AM	5:00 PM	CEU	2.0
W03	Thickening Optimization: Improve Performance and Benefit Multiple Plant Processes	10/5/2024	8:30 AM	5:00 PM	CEU	5.0
W04	Operation and Maintenance from Water Reuse to Advanced Water Purification	10/5/2024	8:30 AM	5:00 PM	CEU	2.0
W06	Aeration Control for Practitioners: Advanced Control and Optimization Techniques for Aeration, Process, and Energy	10/6/2024	8:30 AM	5:00 PM	CEU	6.0
W07	Advanced Primary Treatment Technologies for Carbon Diversion & Management at WRRFs	10/6/2024	8:30 AM	5:00 PM	CEU	6.0
W08	Wastewater Microbiology-	10/6/2024	8:30 AM	5:00 PM	CEU	6.0
W09	Activated Sludge and Biological Nutrient Removal Process Control: Hands-On in the Real World (Off-Site)	10/6/2024	8:00 AM	4:30 PM	CEU	6.0
W10	Water Environment Federation/The Water Research Foundation: Doing More, with Less—Implementing Machine Learning Process Controls at Water Resource Recovery Facilities	10/6/2024	8:30 AM	5:00 PM	CEU	2.0
W11	Water Environment Federation/The Water Research Foundation: Renewable Revenue Streams Through Best Practices and Safe Operation of Renewable Natural Gas Facilities	10/6/2024	8:30 AM	5:00 PM	CEU	4.0
W13	Understanding and Applying Disinfection Fundamentals (Off-site)	10/6/2024	8:00 AM	5:00 PM	CEU	6.0
W14	The Future of Water Reuse Using Carbon-Based Advanced Treatment (CBAT) to Implement 'One Water' Initiatives	10/6/2024	8:30 AM	5:00 PM	CEU	1.0
W15	Fundamentals of Collaborative Delivery	10/6/2024	8:30 AM	5:00 PM	CEU	2.0
W16	Learning to Communicate: Connecting with Audiences and Telling Your Story	10/6/2024	1:30 PM	5:00 PM	CEU	1.0
W17	Assessing Sewer Septicity: Applying Tools to Save Money and Trouble	10/6/2024	8:30 AM	5:00 PM	CEU	1.0
W18	Navigating the Water Sector's Path to Net Zero	10/6/2024	8:30 AM	5:00 PM	CEU	4.0
WLI	Water Leadership Institute Workshop	10/6/2024	8:30 AM	5:00 PM	PDH	2.0

FACILITY TOURS - FACILITY TOURS - FACILITY TOURS - FACILITY TOURS - FACILITY TOURS -

FT1	Lake Borgne Surge Barrier	10/8/2024	9:15 AM	12:15 PM	PDH	1.50
FT2	Infrastructure Resilience and Reliability: Sewerage and Water Board of New Orleans Power Complex	10/8/2024	10:00 AM	11:45 AM	PDH	1.0
FT3	Abita Brewing Company	10/8/2024	12:45 PM	5:15 AM	PDH	2.5
FT4	More Than 100 Years of Draining New Orleans: Drainage Pumping Station 6 Tour	10/8/2024	1:30 AM	3:45 AM	PDH	2.25
FT5	Living with Water in the Pontchartrain Basin – a Tour by Pontchartrain Conservancy	10/9/2024	8:30 AM	1:00 AM	PDH	2.0
FT6	Using Green to Aid the Gray: Sewerage and Water Board of New Orleans Green Infrastructure tour	10/9/2024	10:00 AM	12:30 PM	PDH	2.5

OPERATIONS CHALLENGE - OPERATIONS CHALLENGE - OPERATIONS CHALLENGE - OPERATIONS CHALLENGE - OPERATIONS CHALLENGE -

OC1	Operations Challenge Day - 1	10/7/2024	8:30 AM	5:00 PM	CEU	6.0
OC2	Operations Challenge Day - 2	10/8/2024	8:30 AM	5:00 PM	CEU	6.0

STUDENT DESIGN COMPETITION - STUDENT DESIGN COMPETITION - STUDENT DESIGN CO

SDC1	Student Design Competition - Wastewater Competition	10/6/2024	8:15 AM	4:40 PM	PDH	6.0
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