

# AWWA NJ 2022 ANNUAL CONFERENCE

*Strength Through Resiliency*

## TUESDAY, MARCH 15, 2022

### Location

9:00 AM	5:00 PM	<b>Registration Desk Open</b>	Conference Registration Area
9:00 AM	4:00 PM	Exhibitors Set Up	Salon B-D
9:00 AM	9:55 PM	<b>Check-In at OTS</b>	Central Conference Center
9:55 AM	10:00 AM	<b>Introduction and Welcome - Sophia Dyer</b>	

## 10:00 AM 4:15 PM OPENING TECHNICAL SESSION: Emerging Concerns and Compliance Challenges

### Session A - Session Master: Sandy Kutzing

PO: Sandy Kutzing	APO: Mark Tompeck	2 Credits: u, l, n
	Course Number:	0 Credits: p
10:00 AM	11:00 AM	<b>Climate Change: What is Coming and Planning for a Resilient Water Utility</b> – Rina Dalal and Sebastian Malter, CDM Smith
11:00 AM	12:00 PM	<b>Cyanotoxins, Climate Change, and Adaptive Source Water Management</b> – Bob Kortmann & Benjamin Burpee FI, Ecosystem Consulting Services

## 12:00 PM 1:00 PM Lunch - On Your Own

PO: Sandy Kutzing	APO: Mark Tompeck	3 Credits: u, l, n
	Course Number:	0 Credits: p
1:00 PM	1:45 PM	<b>New Jersey American Water's Approach to Emerging Contaminants</b> , Madelyn Spinner FI, New Jersey American Water
1:45 PM	2:30 PM	<b>Case Studies in 1,4-Dioxane Treatment</b> , Margie Gray, Mott MacDonald, Kouao-Eric Ekoue, City of New Brunswick
2:30 PM	2:45 PM	<b>Break</b>
2:45 PM	3:30 PM	<b>Considerations for Simultaneous Compliance</b> , Catherine S. DiPietro, Aquarius Engineering LLC, Drew Saskowitz, SMCMA
3:30 PM	4:15 PM	<b>Freshwater Salinization: Addressing an Emerging Water Quality Challenge throughout the United States</b> , Erik Rosenfeldt, Hazen and Sawyer

## 4:15 PM 4:30 PM Break

## 4:30 PM 5:45 PM Membership Committee Introduction Opening General Session - Utility Panel

## 5:45 PM 7:45 PM MEET & GREET (Networking Reception) Exhibit Area

**WEDNESDAY, MARCH 16, 2022**

7:30 AM - 4:00 PM Exhibits Open

u NJPE Credits  
l NYPE Credits  
n Water Operator Crr  
p Wastewater Operat

	Salon A	Salon C	Studio 1	Studio 2
	<b>Session B - Session Master:</b> Kevin Flis	<b>Session C - Session Master:</b> Mark Tompeck	<b>Session D - Session Master:</b> Christine Ballard	<b>Session H - Session Master:</b> Gene DeStefano
	<b>DISTRIBUTION</b>	<b>1,4 DIOXANE</b>	<b>OPERATOR TRACK</b>	<b>STUDENT SESSION</b>
	PO: Eileen Feldman APO: Josh Hutson 1.5 u, l, n Credits Course Number: 0 p	PO: Mark Tompeck APO: Andy Watson 1.5 u, l, n Credits Course Number: 0 p	PO: APO: 1.5 u, l, n, p Credits Course Number:	PO: APO: Kyle Boehme 0 Credits Course Number:
8:15 AM - 8:45 AM	Water Mains: Designed for Tomorrow, Richard Smith, <i>FI, Southeast Morris County Municipal Utilities Authority</i>	Successful Partnership for Source Protection: Dioxane in Delaware River, Matthew Csik, <i>New Jersey American Water</i>	Locating Underground Utilities and Basics of GIS, Gus Salles, <i>Eastcom Associates, Inc.</i>	The Water Industry Breakdown, Multiple Presenters, Student Affairs Committee
8:45 AM - 9:15 AM	Building Pressure to Build Community, Stephanie DeCotiis and David Sheldon, <i>FI, H2M architects + engineers</i>	Forever Changing Treatment Approaches - 1,4 Dioxane, William A. Schurmann, <i>FI, Suburban Consulting Engineers, Inc.</i>	You Have the Wrong Pump- Understanding Pump Curves and Pump Performance, Jack Wallace & Dan Hennessey, Municipal Maintenance Co.	
9:15 AM - 9:45 AM	Trenchless Rehabilitation Technique Chosen Despite Difficult Site Conditions for a Critical Water Main Project, Steve Soldati, <i>FI, Aegion</i>	Fit-for-Purpose Scaling for 1,4-Dioxane Treatment Solutions, Victoria Bates, <i>FI, Xylem Inc.</i>		
9:45 AM - 10:00 AM	Break			
	<b>STORAGE ASSET MANAGEMENT</b>	<b>PFAS</b>	<b>OPERATOR TRACK</b>	<b>YOUNG PROFESSIONAL PRESENTATIONS</b>
	PO: Andy Watson APO: Stephanie DeCotiis 1.5 u, n Credits Course Number: 1.0 l Credits; 0 p	PO: Joe Stanley APO: Mark Tompeck 1.5 Credits Course Number: pending	PO: Sophia Dyer APO: 1.5 u, n, p Credits Course Number: 0 l Credits	PO: APO: Kyle Boehme 1.5 u, l Credits Course Number: 0.75 n, p Credits
10:00 AM - 10:30 AM	Proactive Water Storage Tank Maintenance and Inspections, Arthur Eschete, <i>H2M architects + engineers</i>	Anion Exchange Treatment to remove PFAS compounds at Aqua NJ's Lawrenceville Well Station, Kristin Munoz, <i>HDR, Adam Burger, Aqua New Jersey</i>	Chlorine Handling Safety, Matt Genna, <i>J.A. Montgomery Consulting</i>	Exploring Dissolved Air Flotation (DAF) Clarification Technology, Scott Thompson, CDM Smith
10:30 AM - 11:00 AM	Hidden in Plain Sight - Water Tanks as Environmental Contaminant Sources, Patricia Parvis and Andrew Wadden, <i>HDR Engineering, Inc.</i>	Centralized PFAS Treatment for the Ridgewood Water System, Scott Pendergrass, <i>FI, Mott MacDonald, William Bierwas, Ridgewood Water</i>	Flagger Skills and Safety, Brian Maitland, <i>J.A. Montgomery Consulting, Janine Bauer, Middlesex Water Company</i>	Managing Stormwater To Mitigate Localized Flooding, James Reid, Arcadis
11:00 AM - 11:30 AM	Partnering with the US Navy: A Guide to Effective, Long-Term Water Storage Tank Maintenance on a Global Scale, Nicole Clarke, <i>Tank Industry Consultants</i>	PFAS Treatment for the SUEZ New Jersey Wyandotte Water Treatment Facility, Swaroop C Puchalapalli, <i>FI, Mott MacDonald, Chengyue Shen, SUEZ Water New Jersey</i>		
11:30 AM - 1:15 PM	Lunch			
	<b>LEAD SERVICE LINE REPLACEMENT</b>	<b>TREATMENT</b>	<b>OPERATOR TRACK</b>	<b>RESEARCH</b>
	PO: Gene DeStefano APO: Murat Kocak 1.0 u, l, n Credit Course Number: 0 p Credits	PO: Mark Tompeck APO: Joe Stanley 1.0 u, l, n Credit Course Number: 0 p Credits	PO: Eileen Murphy APO: 1.0 u, l, n, p Credits Course Number:	PO: Eileen Feldman APO: Mark Theiler 1.0 u, l Credits Course Number: 0 n, p Credits
1:15 PM - 1:45 PM	Using Integrative Communication Tools for Large Construction Projects, Christine Ballard, <i>CDM Smith, Chelsesa Kulp, New Jersey American Water</i>	A Flight Plan for Success: The Role of Pilot Testing in Treatment Plant Design, Jonathan Reuther, <i>Mott MacDonald, Zach Martin, Aqua Pennsylvania, Michael Convery, Aqua America</i>	Water Sampling for Operators, Cindy Brandecker, Garden State Laboratories	Development of a 2D Hydrodynamic Model of Barnegat Bay, Christopher J. Malone, Jeong Eun Ahn and Katherine Villacis, <i>Rowan University</i>
1:45 PM - 2:15 PM	How to Prioritize LSL Replacement to Achieve Accelerated Removal, Hetal Mistry, <i>SUEZ Water New Jersey</i>	Upgrades to a Residual Dewatering Facility for WET Compliance at the NJDWSC WTP, Oles Malyskyy, <i>FI, NJDWSC, Elizabeth Maio, Jacobs Engineering</i>		Development of Cape May County Combined Model (CMCCM) for Groundwater Movement - Grace Elizabeth Watson and Jeong Eun Ahn, <i>Rowan University</i>
2:15 PM - 2:30 PM	Break			
	<b>RESILIENCY</b>	<b>SOURCE WATER INTAKES</b>	<b>OPERATOR TRACK</b>	<b>WATER 101</b>
	PO: Murat Kocak APO: Gene DeStefano 1.0 Credits Course Number: pending	PO: Mark Tompeck APO: Eileen Feldman 1.0 Credits Course Number: pending	PO: Eileen Murphy APO: 1.0 u, l, n, p Credits Course Number:	PO: Suzanne Chiavari APO: Josh Hutson 1.0 u, l, n Credits Course Number: 0 p Credits
2:30 PM - 3:00 PM	Floating Solar- a Win-Win Solution, Douglas Johnstone, <i>NJR Clean Energy Ventures</i>	A Surface Water Intake Replacement Design-Build Success Story, David Applegate, <i>Kiely</i>	Operator Exam Prep Refresher - Math Concepts, Janice DeFalco, <i>Hazen and Sawyer</i>	Filters 101 - Clearing the Mystery of Their Design and Operation, Joseph Stanley, <i>Mott MacDonald</i>
3:00 PM - 3:30 PM	Sustaining Resiliency: Providing a Critical 160 MGD WTP with Standby Power, Brian Seip, <i>Gannett Fleming, Robert Biehler, New Jersey American Water</i>	Creative Planning for Design: NYC's Rehabilitation of the Shandaken Tunnel Intake Chamber, Christopher Ramo, <i>Hazen and Sawyer, Darin Dekoskie, New York City DEP</i>	Electric Motors - Fundamentals, Installation and Maintenance, Joseph Longo, <i>Longo Electric</i>	
3:30 PM - 3:45 PM	Break			
3:45 PM - 5:45 PM	Annual Business Meeting, Awards Presentation, Tank Building and/or Operators' Bowl Competition			

**THURSDAY MARCH 17, 2022**

7:30 AM - 8:30 AM	Interfaith Breakfast	u NJPE Credits
8:00 AM - 1:30 PM	Registration Open	I NYPE Credits
8:00 AM - 1:30 PM	Exhibits Open	n Water Operator Credits
8:00 AM - 8:45 AM	Grab n' Go Breakfast: Exhibit Hall	p Wastewater Operator Credits

	Salon A	Salon C	Studio 1	Studio 2
	<b>Session E - Session Master:</b> Joe Stanley	<b>Session F - Session Master:</b> Kristin Munoz	<b>Session G - Session Master:</b> Kristin Tedesco	<b>Session J - Session Master:</b> Alex Wells
	<b>ADVANCED TREATMENT</b>	<b>DISTRIBUTION</b>	<b>CYBERSECURITY</b>	<b>OPERATOR TRACK</b>
	PO: Joe Stanley APO: Andy Watson 1.0 u, I, n Credit	PO: Stephanie DeCotiis Eileen Murphy 1.0 Credit	PO: APO: 1.0 Credit	PO: APO: Sophia Dyer 1.0 u, I, n Credit
	Course Number: 0 p Credit	Course Number: pending	Course Number: pending	Course Number: 0 p Credit
8:45 AM - 9:15 AM	Initiating Ozone Treatment at the CJO WTP and What we thought we knew!, David Brogle, M J Barnes and Mark Theiler, <i>Middlesex Water Company</i>	AMI Residential Meter with Acoustic Leak Detection, Bernard Dunham, <i>Smart Metering Technologies LLC</i>	Critical Infrastructure Cybersecurity and the Human Asset, Daniel Capano, <i>Gannett Fleming Engineers and Architects, P.C.</i>	Physical Security Considerations for Water Systems, Sean Gorman, <i>NJOHSP</i> , and <i>Atlantic County OEM</i>
9:15 AM - 9:45 AM	Current Trends in Immersed vs. Pressurized Membrane Treatment, Rebekah Reyes, <i>FI, Mott MacDonald</i> , Alexei Walus, <i>New Brunswick</i> , Anthony Tomasello, <i>Mott MacDonald</i>	Leveraging Your Pipeline Condition Assessment to Maximize the Benefits of Your Capital Expenditures, Alex Wells and Anna Santino, <i>FI, Pure Technologies</i>	OT Cybersecurity in Water Industry, <i>Adi Karisik, Jacobs</i>	
9:45 AM - 10:00 AM	10:00 AM Vendor Appreciation Coffee Break			
	<b>REGULATORY</b>	<b>DISTRIBUTION INFRASTRUCTURE</b>	<b>MACHINE LEARNING</b>	<b>OPERATOR TRACK</b>
	PO: Eileen Feldman APO: Laura Norkute 1.5 u, n Credits	PO: Stephanie DeCotiis APO: Kristin Munoz 1.5 u, I, n Credits	PO: Gene DeStefano APO: Kevin Flis 1.5 u, I, n Credits	PO: Alex Wells APO: 1.5 n, p Credits
	Course Number: 0 I, p Credit	Course Number: 1.0 p Credit	Course Number: 0 p Credit	Course Number: 1.0 u, I Credit
10:00 AM - 10:30 AM	NJDEP Regulatory Update: What's New in 2022!, Linda Ofori, <i>NJDEP</i>	Overcoming Unique Challenges: Proper Management of PCCP Infrastructure, Paul Longo and Carl Bundschuh, <i>Dewberry</i>	Ensuring Critical Asset Optimization and Uptime using Artificial Intelligence, David Dolphin, <i>Elmodis</i> , Richard Loeffler, <i>Xylem</i>	Operator Exam Prep Refresher - Distribution and Treatment Levels 1 and 2 Concepts, Janice DeFalco, <i>Hazen and Sawyer</i>
10:30 AM - 11:00 AM	Managing Compliance with the Lead and Copper Rule, Samantha DiMeglio, <i>NJDEP</i>	Middlesex Water Company 54" PCCP Condition Assessment, Jan Chwiedosiuk and Kyle Boehme, <i>CDM Smith, FI</i>	Prioritizing A Test Pitting Program Using Machine Learning, Rich Luetichau, <i>Mott MacDonald</i> , Shelton Anderson, <i>New Jersey American Water</i>	How Can VFDs benefit my water System?, John Davis, Danfoss Drives
11:00 AM - 11:30 AM	Climate Change Impacts on the Water Supply of New Jersey, Jeffrey Hoffman, <i>NJDEP</i>	New technologies joining & restraining pipe, Ken Alessi, <i>Hymax, a Mueller Brand</i>	Optimizing Lead Service Line Replacement with Machine Learning, Kevin Flis and Thomas Chen, <i>FI, Xylem</i>	
11:30 AM - 1:30 PM	1:30 PM Lunch			
	<b>CYANOBACTERIA</b>	<b>LEAD &amp; COPPER</b>	<b>RESILIENCY</b>	<b>OPERATOR TRACK</b>
	PO: Andy Watson APO: Eileen Feldman 1.5 u, I, n Credits	PO: Suzanne Chiavari APO: Murat Kocak 1.5 u, I, n Credits	PO: Kevin Flis APO: Gene DeStefano 1.5 Credits	PO: Sophia Dyer APO: 1.5 u, I, n Credits
	Course Number: 0 p Credit	Course Number: 0 p Credit	Course Number: pending	Course Number: 0 p Credit
1:30 PM - 2:00 PM	CHAB & Cyanotoxin Removal in Drinking H2O: An Overview, Idali M. Hanson, <i>New Jersey American Water</i>	Lead and Copper Rule Risk Assessment and Compliance Roadmap, John Salvagno, <i>FI, Arcadis</i>	A Check List for Climate Change?, John Kij, <i>FI</i> , and Madeleine Pelchat, <i>FI, American Water</i>	Utilizing Information Technology to Improve Customer Communication, Debora Lacreata & Nicholas Buono, <i>Southeast Morris County MUA</i>
2:00 PM - 2:30 PM	Cyanotoxin Management Strategies and NJDEP Cyanotoxin Management Plan (CMP) Requirements, Keith Cartrick and John Civardi, <i>Mott MacDonald</i>	A Phased Approach to LCRR Compliance, Sandra Kutzing, <i>CDM Smith</i>	Looking Through a One Water Lens - One Water Case Studies, Jacquelin Reed, <i>Carollo Engineers</i>	Production Well Diagnostic Programs and Well Rehabilitation Methods, Ashish Daw and Vincent Uhl, <i>UHL &amp; Associates, Inc.</i>
2:30 PM - 3:00 PM	Ultrasonic Treatment of Harmful Algal Blooms: Eco-friendly and Effective, Skylar Reed, <i>FI, City of Newark, NJ - Water Department</i> and Felipe Contreras Jimenez, <i>Kleinfelder</i>	Industry Guidance on How to Conduct Pipe Studies for Corrosion Control Treatment, Victoria Nystrom, <i>Arcadis</i>	The Better You Plan the Luckier You Get - A Hurricane Ida Success Story, Oleg Kostin, <i>New Jersey American Water</i>	
3:00 PM - 3:15 PM	3:15 PM Break			
	<b>TREATMENT</b>	<b>ETHICS</b>	<b>HYDRAULICS</b>	<b>UTILITY FINANCIAL MANAGEMENT</b>
	PO: APO: 1.0 u, I Credits	PO: Andy Watson APO: Eileen Feldman 1.0 u, I, n, p Credit	PO: Josh Hutson APO: 1.0 u, I, n Credit	PO: APO: 1.0 n Credit
	Course Number: pending	Course Number:	Course Number: 0 p Credit	Course Number: 0 u, I, p Credit
3:15 PM - 3:45 PM	Line Diffuser Aeration System for Culver Lake, Shivangi Ganatra, <i>FI</i> , and Felipe Pulido, <i>Jacobs</i>	Why Diversity, Equity & Inclusion Matter, Langston D. McFadden, Esq., Law Offices of Pullano & Farrow PLLC	Little Falls WTP Digital Twin for Hydraulic Simulation - Lessons Learned During Development, Elizabeth Maio, <i>FI, Jacobs Engineering</i>	The Anatomy of a Rate Study: Planning for the Success of East Brunswick's Water Utility, Eric Callocchia, <i>NewGen Strategies and Solutions, LLC</i> , Daniel Losik, <i>East Brunswick</i>
3:45 PM - 4:15 PM	Rapid Small-Scale Column Testing for PFAS Reduction in Groundwater by GAC and Implications on Full Scale Design, Bryan Sadowski, <i>AECOM</i>		South River Hydraulic Model, Felipe Contreras, <i>Kleinfelder</i> and Jordan Nappi, <i>FI, Kleinfelder</i>	Transforming Customer, Financial, and Asset Management Through a Billing Management Solution, John Helwig, <i>CDM Smith</i> , Tiffany Stewart, <i>City of Newark</i>
6:00 PM	Celebration Dinner and Awards Presentation			