



# New Jersey Water Environment Association PRESENTS



## THE 2023 Fall Technology Transfer Seminar

SEPTEMBER 11 - SEPTEMBER 14, 2023

Sheraton Eatontown Hotel

6 Industrial Way • Eatontown, NJ • 732-542-6500

### NJWEA Officers

Jill Plesnarski	President
Francis Bonaccorso	President Elect
Michael J. Hope	Vice President
Robert Fischer	Treasurer
James De Block	Executive Director
Richard Eustace	Deputy Executive Director

# MONDAY, SEPTEMBER 11, 2023

## Monday, September 11, 2023

### SESSION I - Utility Management – Operator Certification

**Day 1 of 4**

Course # 03-012201-30 Water & Wastewater

CPWM Course: NJWEA-DLGS-1208 5 Hr. Mgmt.

**Moderators:** **Frank Pestana**, Executive Director – North Bergen MUA  
**Carrie Ann Lyons**, Lyons Environmental

- 8:30 am Session 1 Starts
- 9:30 am Coffee Break (Included)
- 11:45 am Lunch (Included)
- 1:30 pm Session Re-Starts
- 3:30 pm Session Ends

This is offered as a 4-day (20 hour) course which is modeled after the California State University Certificate Course for Utility Management. Participants can take individual days for TCH credit and not receive the course certificate. ALL 4 DAYS MUST BE ATTENDED TO COMPLETE THE COURSE.

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Upon the completion of the 4-day course, Identify the functions of a manager, describe the benefits of short-term, long-term, and emergency planning, define the following terms: Authority, Responsibility, Delegation, Accountability, Unity of command.

Read and construct an organizational chart identifying lines of authority and responsibility. Write a job description for a specific position within the utility. Write good interview questions. Conduct employee evaluations. Describe the steps necessary to provide equal and fair treatment to all employees. Prepare a written or oral report on the utility's operations. Communicate effectively within the organization, with media representatives, and with the community. Describe the financial strength of their utility. Calculate their utility's operating ratio, coverage ratio, and simple payback. Prepare a contingency plan for emergencies. Prepare a plan to strengthen the security of their utility facilities. Set up a safety program for their utility. Collect, organize, file, retrieve, use, and dispose of utility records.

**MONDAY, SEPTEMBER 11, 2023**

**Monday, September 11, 2023**

## **SESSION II – Unit Process – Fall 2023**

Course # 03-072301-20 (5.0 TCH) WW

CPWM Course NJ WEA - DLGS - 1313, 5.0 Hr. Tech

**Moderators:** **Sean Sauder**, PMP, Project Manager, PS&S  
**Eric Reichert**, RVRSA Package WWTP design and operation

### **Package WWTP design and operation**

“While small “package” type wastewater treatment systems may seem less complicated due to flow and size, there are numerous site-specific factors that must be considered for both design and operation of these systems.

This session will review design considerations, effluent quality requirements, package treatment systems for contaminant removal, siting of facilities and footprint sizing, as well as operation and maintenance of some of these systems”.

A complete program for this session will be available online.

## **NJWEA John J. (Jack) Lagrosa 109th Annual Conference & Exposition**

The NJWEA Conference and Exposition is the largest water environment exposition in the Northeast. The event draws participants from throughout the country for four days of training education and offers the opportunity to meet with manufacturers and their representatives in a relaxed, informal setting to learn about their latest products.

**May 6, 2024 to May 9, 2024**

Harrah's Resort, Atlantic City

**Visit [NJWEA.ORG](http://NJWEA.ORG) for registration forms and information**

**Registration questions:**

**Debbie Cardena, Registrar NJWEA**

P.O. Box 737, Woodland Park, NJ 07424

Phone: (973) 239-9200 • Fax: (973) 239-9239

E-Mail: [dcardena@NJWEA.org](mailto:dcardena@NJWEA.org)

# MONDAY, SEPTEMBER 11, 2023

**Monday, September 11, 2023**

## **SESSION III - Utility of the Future –**

### **WWRFs as Anchors of Decarbonization in the Community**

Course # 03-072302-20 NYPE (5.0 TCH-WW) NYPE, NJPE & PAPE

CPWM Course NJWEA-DLGS-1314, 5.0 Hr. Tech

**Moderators:** **Jay Surti, P.E.**, Eastern Regional Biosolids Leader, GHD  
**Robert Fischer**, Senior Director of Water Resources, PS&S  
**Brian Valliere**, Lic. Op, Superintendent,  
Borough of Mendham STP  
**Josh Ferguson**, Civil Engineer, AECOM

- 8:30 am **Rahway Valley Sewerage Authority: Food Waste to Energy**  
John Bonocore, P.E., Asst Director/Chief Engineer, RVSA
- 9:15 am **Energy Strategies from a Biosolids Management Perspective**  
Terry Goss, VP, Biosolids Practice Leader, AECOM
- 10:00 am Coffee Break (included)
- 10:15 am **RNG Opportunity to Advance Decarbonization - Industry Update and Case Study**  
Steven D. Wilsey, Project Director/Principal, GHD
- 11:00 am **Case Study: Challenging Heat Recovery System Designs for CHP**  
Jessica Chiu, Water Engineer, Arcadis U.S., Inc.
- 11:45 am Lunch (included)
- 1:30 pm **Design and Performance Evaluation of a Solar Assisted Dryer with Decentralized Thermal Recovery Gasification System**  
Alexander K. Krämer, Founder & CEO, Harvest Technology, LLC
- 2:15 pm **Green Hydrogen and Innovative Energy Solutions**  
Laurie Wiegand-Jackson, President & CEO, Utility Advantage
- 3:00 pm Panel Discussion
- 3:30 pm Session Ends

# MONDAY, SEPTEMBER 11, 2023

**Monday, September 11, 2023**

## **SESSION IV - DPW-Municipal Workshop - Fall 2023**

Course # 03-072303-20 (5.0 TCH-WWW)

NJWEA-DLGS-1315 (5.0 Hr. Tech)

**Moderators:** **Dan Carey**, NJWEA Seminar Committee

**Carl Bowles**, Past President APWA-NJ

**Brendan Tobin**, Gabrielli Truck Sales

### **TYPES OF STORMWATER SYSTEMS, TECHNOLOGY, REPORTING & EQUIPMENT NEEDED FOR MAINTENANCE**

8:30 am      **Stormwater basics in terms of roadways, like types of treatments (swales/drainage structures, underground basins), advantages/disadvantages, maintenance and then also linking in something on traffic safety such as guardrail and other traffic safety issues associated with roadside drainage features.**

George A. Fallat, P.E. Middlesex County Supervising Engineer,  
Office of Engineering Department of Transportation

9:30 am      Coffee Break (Included)

9:45 am      **Morning stormwater session continued**

11:45 am      Lunch (Included)

1:30 pm      **Technology in Stormwater Management at DPWs. I would discuss spill and leak reporting, stormwater plan tracking, GIS mapping, and filter management.**

Jennifer Duckworth, CFM, NGICP (she/her)  
Senior Environmental Engineer | Tetra Tech

2:30 pm      **Types of Equipment Needed To Maintain and Best Ways To Purchase**

Brendan Tobin, APWA-NJ VP & Gabriella Truck

3:30 pm      Session Ends



**MONDAY, SEPTEMBER 11, 2023**

**Monday Evening Session – September 11, 2023**

**SESSION V – Laboratory Knowledge, Understanding  
Roadway Design and Wastewater Topics**

Course # 03-072304-20 NYPE (2.0 TCH WW) NYPE, NJPE & PAPE  
CPWM Course NJWEA-DLGS-1316 Hr. Tech

**Moderators:** **Michael Roy, P.E.**, Old Bridge MUA  
**Danielle Farrell, P. E.**, Mott MacDonald

4:30 pm **Laboratory Knowledge That You Need to Know**  
Emily Zidanic, Wastewater Program Engineer  
Cape May County MUA

5:10 pm **Understanding Roadway Design**  
Janine Smolinski, P.E., Project Engineer  
Remington & Vernick Engineers

5:50 pm **Lessons from a Wastewater Project**  
Paul Huggins, Engineer, Mott MacDonald

6:30 pm Session Ends

# ATTENTION P.E.'S

The New Jersey Water Environment Association has been approved by The New Jersey State Board of Professional Engineers and Land Surveyors (the Board) as a Continuing Professional Competency Course Provider. Please check the individual course descriptions to see what courses will satisfy continuing education requirements for Professional Engineers. NJWEA will continue to maintain records of the courses offered and the names of attendees satisfactorily completing the courses. New York and Pennsylvania Credits for PE's are as indicated in the course description.

All issues that may arise regarding the acceptability of a course will be between the individual and the Board.

**TUESDAY, SEPTEMBER 12, 2023**

**Tuesday, September 12, 2023**

## **SESSION I - Utility Management – Operator Certification**

**Day 2 of 4**

Water & Wastewater Course # 03-012205-30 (5.0 TCH-WWW)

CPWM Course: NJWEA-DLGS-1212

**Moderators:** **Frank Pestana**, Executive Director – North Bergen MUA  
**Carrie Ann Lyons**, Lyons Environmental

- 8:30 am Session Starts
- 9:30 am Coffee Break (Included)
- 11:45 am Lunch (Included)
- 1:30 pm Session 2 Starts
- 3:30 pm Session Ends

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# TUESDAY, SEPTEMBER 12, 2023

**Tuesday, September 12, 2023**

## **SESSION II - AEA/NJWEA Utility Issues - Fall 2023**

Course #03-072305-30 (5.0 TCH) W&WW

CPWM Course NJWEA-DLGS-1317, 0.0 Hr.Tech, 1.0 Hr. Mgmt., 4.0 Hr. Gov

**Moderators:** **Peggy Gallos**, Executive Director, Assoc.  
of Environmental Authorities

**Richard Eustace**, NJWEA Deputy Executive Director

(SCHEDULED TIMES SUBJECT TO CHANGE.)

8:30 am **Asset Management at Hanover Sewerage Authority**

Michael Wynne, Executive Director

A case history providing an in-depth look at the Hanover Sewerage Authority (HSA) asset management (AM) program. HSA's AM program has been conducted over many years, systematically and comprehensively.

9:30 am Coffee Break

9:45 am **Introduction to Pilot Water/Sewer Sector Workforce Development Program**

Paula Figueroa-Vega, Director of Jersey Water Works Collaborative, New Jersey Future  
An overview of how the Jersey Water Works Water Workforce Task Force is building partnerships to bolster education and outreach to make water a career of choice. The Task Force has been instrumental in helping shape the New Jersey Water Workforce Development Initiative pilot program. It aims to introduce individuals to the water workforce via education and training and connect them to opportunities.

10:15 am **The Why's and How's of Voluntary Sampling of PFAS in Wastewater**

Joseph Pantalone, Vice President for Wastewater, Atlantic County UA

There are good reasons for NJ wastewater utilities to conduct PFAS sampling on a voluntary basis. This session will cover why such a program is useful. Presenters will also discuss an AEA monitoring work plan, developed with NJDEP input, available to any interested NJ utility. Attendees will come away with the information they need to initiate their own PFAS monitoring program.

11:15 am **Building a Defense Against Dissolution**

Dennis Palmer, Landis SA, Retired

The retired executive director of Landis Sewerage Authority, Dennis Palmer, learned many lessons during his career. Among them is the importance of laying groundwork to defend against the dissolving of the authority. Long before anyone thinks of dissolving an authority, it's important to think through strategies and make connections with the people you serve.

11:45 am Lunch (included)

1:30 pm **Securing a Local Government Efficiency Achievement Program Grant**

Greg Sehar, Director of Solid Waste Operation, Atlantic County Utilities Authority  
Atlantic County UA (ACUA) was able to secure a \$250,000 grant from a Department of Community Affairs grant program known as LEAP that most water and sewer utilities may be unaware of. The Local Efficiency Achievement Program (LEAP) helps local governments streamline services and partner with one another. Attendees will learn how their municipality or authority can take advantage of this grant program, including what types of shared services qualify for LEAP and how the application process works.

2:00 pm **Smart Choices for Water and Sewer**

Peggy Gallos, Executive Director, AEA

Elected and appointed officials confronted with far-reaching decisions about their water and sewer systems need baseline information before they can proceed. What are the characteristics of a well-managed system? What are the range of future operations and ownership options they can choose from?

2:30 pm Speakers have been invited to discuss the State Revolving Fund, evolving state and federal biosolids policies, and bulk purchasing of drinking water.

3:30 pm Session Ends



**TUESDAY, SEPTEMBER 12, 2023**

**Tuesday, September 12, 2023**

## **SESSION III - Regulatory Updates, Compliance and Permitting - Fall 2023**

Course # 03-072306-30 (5.0 TCH-WWW)

CPWM Course NJWEA-DLGS-1318, 1.5 Hr. Tech, 1.0 Hr. Mgmt., 2.5 Hr. Gov

**Moderators:** **Jim Wancho, PE**, Vice President, PS&S  
**Chris Hoffman, PE**, Retired

8:30 am **Flood Hazard/Stormwater Rules - Project Design and Permitting Considerations**

Brian McPeak, Vice President, PS&S

Jason Schooling, PE Senior Project Engineer, PS&S

9:30 am Coffee Break (included)

9:45 am **NJDEP NJPDES & CSO Permitting Updates**

Susan Rosenwinkel, Chief, NJDEP DWQ Bureau of Surface Water and Pretreatment Permitting

10:15 am **PFAS Updates in the NJPDES Program**

TBD, NJDEP DWQ

10:45 am **The Role of the Comptroller in Public Contracting**

John A. Napolitano, Esq., Partner,

Cleary, Jacobbe, Alfieri, Jacobs, LLC

11:15 am **Air Permitting Compliance**

Marissa Magura, Senior Scientist, Roux Associates

11:45 am Lunch (included)

1:30 pm **PFAS in Wastewater Discharges: What we have Learned and Where are we heading?**

James Cosgrove, PE Principal, One Water Consulting

2:00 pm **De-Mystifying the ESIP-A new way to fund plant upgrades and process optimization through energy savings**

Brendan Marzano and Bryan McGair,

Account Executives, Schneider Electric

2:45 pm **PEOSH Updates: Safety in the Workplace**

James Gotay, President, Skyline Environmental Inc.

3:30 pm Session Ends

**TUESDAY, SEPTEMBER 12, 2023**

**Tuesday September 12, 2023**

## **SESSION IV - Industrial Wastewater Management - Fall 2023**

Course # 03-072307-20 (5.0 TCH) WW

CPWM Course NJWEA-DLGS-1319, 5.0 Hr. Tech

**Moderators:** **Edward Majeski**, Environmental Compliance Manager/  
IPP Coordinator, LRSA  
**Natalie Pisarcik**, IPP Coordinator, RVRSA

8:30 am **Water Well Rehabilitation & Preventative Maintenance**  
Stephen Fisher, P.G., Technical Director,  
Subsurface Technologies, Inc.

9:15 am **Unintended Consequences: Is Food Safety Killing  
Your Wastewater Treatment Plant?**  
Tom Eckhoff, Principal, Arrigetch Environmental Consulting

10:00 am Coffee Break (included)

10:15 am **Preventing Fires and Explosions in Industrial Processes**  
Jeff Sampson, Director of Sales,  
Control Instruments Corporation

10:45 am **Dynamic Ceramics: Meeting Stringent Industrial Permit  
Limits with Membrane Filtration**  
David Silverman, P.E., Manager of Process Solutions,  
PSI Process and Equipment, Pumping Services, Inc.

11:45 am Lunch (included)

1:30 pm **Power Resilience for Reliable Control Systems**  
Kamau Brown, Project Sales Engineer, Phoenix Contact

2:30 pm **Recovery & Reuse**  
Tom Doherty, President, Dynatec Systems

3:00 pm **Combating the Opioid Epidemic through  
Wastewater Surveillance**  
Adam J Gushgari, PhD, P.E., Wastewater Surveillance  
Technical Expert, Eurofins Environmental Testing

3:30 pm Session Ends

**TUESDAY, SEPTEMBER 12, 2023**

**Tuesday Evening Session, September 12, 2023**

**SESSION V - Professional Engineering Ethics and Studies -  
Fall 2023**

Course # 03-072308-30 NYPE (2.0 TCH WWW) NYPE, NJPE & PAPE  
CPWM Course NJWEA-DLGS-1320 2 Hr.  
Ethics CPS Credit PA/NY/NJ PE – 2 credit hours

**Moderator:** Michael Roy, P.E., Old Bridge MUA

**Instructor:** Renard E. Barnes, Esq., General Counsel PS&S

**Session will begin at 4:30 pm and conclude at 6:30 pm**

# GUESS WHAT ENGINEERS!

## YOU CAN STAY OVER AND JOIN US FOR AN ENGINEERING MARATHON!

**3 Evening workshops,  
Wednesday P.E. Workshop, and an  
“Energy/Biosolids Workshop” on Thursday**  
That is 16 CPC Credit Hours for Professional Engineers

### **Licensed Operators Please Be Advised!!**

- The Responsibility for obtaining adequate TCHs for license renewal rests with the licensee.
- The course registrant name must appear EXACTLY as it appears on your license.
- The license number must appear EXACTLY as it appears on the license (with all digits including all zeros).
- The license classification must appear EXACTLY as it appears on the license.
- Only ONE license needs to be entered.

# WEDNESDAY, SEPTEMBER 13, 2023

## Wednesday, September 13, 2023

### SESSION I - Utility Management – Operator Certification

#### Day 3 of 4

Course # 03-012209-30 Water & Wastewater 5 TCH

CPWM Course: NJWEA-DLGS-1216 5.0 Hrs. MGMNT

**Moderators:** **Frank Pestana**, Executive Director – North Bergen MUA  
**Carrie Ann Lyons**, Lyons Environmental

- 8:30 am Session Starts
- 9:30 am Coffee Break (Included)
- 11:45 am Lunch (Included)
- 1:30 pm Session 3 Starts
- 3:30 pm Session Ends

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# WEDNESDAY, SEPTEMBER 13, 2023

**Wednesday, September 13, 2023**

## **SESSION II – Collection System O&M - Cleaning**

Course # 03-072309-30 (5.0 TCH) Water & Wastewater  
CPWM Course NJWEA-DLGS-1321, 5.0 Hr. Tech

**Moderator:** Louis C. Lambe, Passaic Valley Sewerage Commission  
Joseph Polomene, P.E., Sherwood Logan & Associates  
Jonathan Mannarino, Township of Middletown Sewer Auth.

- 8:30 am Introduction to Cleaning  
Louis C. Lambe, Passaic Valley Sewerage Commission
- 8:45 am Pigging, Ice Pigging, Smart Pigging  
Blake Murphey, VP, American Pipeline Solutions
- 9:30 am 8" CIP Sanitary Lateral Under the New Jersey Turnpike,  
Years of Build Up Scoured Away  
Glenn Barbagallo, Sr. Licensed Operator, Stantec
- 10:00 am Coffee Break (included)
- 10:15 am Cleaning the Right Pipe at the Right Time Using Acoustics  
Alex Churchill, CEO, InfoSense, Inc.
- 11:00 am Cleaning With the Right Nozzle and Live Field Demo  
Walter Jenness, Tri State Environmental Services
- 11:45 am Lunch (included)
- 1:30 pm Buying the Right Truck for the Job & Keeping It Working Right  
Brendan Tobin, Gabrielli Truck Sales
- 2:30 pm PVSC Main Interceptor Sewer Cleaning, Contract B165A  
Steve Sauser, Project Mgr. CDM Smith  
James Lounsbery, Exec. VP, National Water Main Cleaning Co  
Dan Nuzzie, Project Mgr. National Water Main Cleaning Co
- 3:30 pm Session Ends



# WEDNESDAY, SEPTEMBER 13, 2023

**Wednesday, September 13, 2023**

## **SESSION III – Safety - Fall 2023**

Course # 03-072310-31 (5.0 TCH) Safety  
CPWM Course NJWEA-DLGS-1322, 5.0 Hr.Tech.

**Moderators:** **Harry E. Smith III, CSM**, NJWEA Safety Committee Co-Chair  
**Daren DiFonzo**, NJWEA Safety Committee Co-Chair,  
Certified Health and Services  
**Rick Stafford**, NJWEA Safety Committee Vice Chair

- 8:15 am **Confined Space Entry – OSHA 29 CFR 1910-146**  
Too many workers are fatally and/or seriously injured due to the misapplication or failure to follow Confined Space safety procedures. Attendees will learn how to enter Confined Spaces properly and safely.  
*Presented by: Daren DiFonzo and Rick Stafford, NJWEA Safety Committee Team*
- 9:45 am Coffee Break (included)
- 10:00 am **Confined Space Entry** (continued)
- 11:15 am **Atmospheric Testing Training, Equipment and Procedures**  
OSHA Requires all employees to be trained on and understand the Equipment they operate.  
*Presented by: Daren DiFonzo and Rick Stafford, NJWEA Safety Committee Team*
- 11:45 am Lunch (included)
- 1:30 pm **Control of Hazardous Energy – 29 CFR 1910.147**  
Knowing and following the proper procedures to ensure equipment and machines are safe to work is most important. We will explore and learn how to effectively apply Lockout Tagout.  
*Presented by: Daren DiFonzo and Rick Stafford, NJWEA Safety Committee Team*
- 3:30 pm Session Ends

# WEDNESDAY, SEPTEMBER 13, 2023

**Wednesday, September 13, 2023**

## **SESSION IV - Professional Engineer Continuing Education Training - Fall 2023**

**Professional Engineer Continuing Ed. Training – Bridge Replacement, Design-Build Concepts, Sequencing Batch Reactor Design, Critical Infrastructure Cybersecurity and Generator Sizing.**

Course # 03-072311-30 NYPE (5.0 TCH WWW) NYPE, NJPE & PAPE  
CPWM Course NJWEA-DLGS-1323 5.0 Hr. Tech

**Moderators:** **Michael Roy, P.E.**, Old Bridge MUA  
**Danielle Farrell, P.E.**, Mott MacDonald  
**Srinivas Gidugu, P.E.**, Atane Consulting, Inc.

- |          |   |
|----------|---|
| 8:30 am  | <b>Century Road Bridge Replacement</b><br>Nelson Hernandez, P.E.,<br>Structural Engineering Department Manager,<br>CME Consulting & Municipal Engineers   |
| 9:30 am  | Coffee Break (included)   |
| 9:45 am  | <b>Design-Build Concepts, Contracts, and Implementation</b><br>David Applegate, P.E., Sr. Vice President<br>Water Resources, KIELY Family of Companies  |
| 10:45 am | <b>Sequencing Batch Reactor (SBR) Design and Operation</b><br>Christopher Evans, P.E., Equipment Sales Engineer<br>David J. Silverman, P.E., Manager of Process Solutions,<br>PSI Process and Equipment, Pumping Services, Inc. |
| 11:45 am | Lunch (included)  |
| 1:30 pm  | <b>Critical Infrastructure Cybersecurity</b><br>Daniel E. Capano, Senior Construction Manager<br>GANNETT FLEMING Engineers and Architects, P.C.   |
| 2:15 pm  | <b>Being Prepared for the Unexpected – Generator Sizing</b><br>Eric Lavin, Vice President,<br>Power Systems Atlantic Detroit Diesel   |
| 3:30 pm  | Session Ends  |

**WEDNESDAY, SEPTEMBER 13, 2023**

**Wednesday Evening Session – September 13, 2023**

**SESSION V - Evening – Construction Contracts  
Supplementary Conditions and Odor Control**

Course # 03-072312-30 NYPE (2.0 TCH WWW) NYPE, NJPE & PAPE  
CPWM Course NJWEA-DLGS-1324 2.0 Hr. Tech

**Moderators:** **Michael Roy, P.E.**, Old Bridge MUA  
**Kevin Haney, P.E.**, HAZEN and SAWYER

4:30 pm **Supplementary Conditions on Construction Contracts**  
Kevin Haney P.E., Senior Associate, HAZEN and SAWYER

5:30 pm **When Odor Control Technology Just Ain't Good Enough**  
Richard Pope, P.E., Odor Control Group Leader,  
HAZEN and SAWYER

6:30 pm Session Ends

**STAY OVER WITH THE NJWEA!!**

**THE SHERATON IN EATONTOWN, NJ AND THE NJWEA  
ARE OFFERING A DISCOUNTED ROOM RATE**

**Sunday September 10, 2023 ~ September 14, 2023**  
Traditional Guest Room

To make reservations to stay one, two, three or four nights  
with the NJWEA the following information is necessary:

**Name of Group: NJWEA Tech Transfer**  
**BLOCK CODE: (NJWEA)**

Date of Arrival: Sunday, September 10, 2023  
Date of Departure: Thursday, September 14, 2023

A \$50 incidental hold will be applied to the  
reservation credit card(s) at check-in.

Check-in is at 3:00 PM and check-out is at 12:00 PM.

The hotel will accommodate any early arrivals  
on a space available basis only.

**Call the Sheraton at 1-732-542-6500**

**THURSDAY, SEPTEMBER 14, 2023**

**Thursday, September 14, 2023**

## **SESSION I - Utility Management – Operator Certification**

**Day 4 of 4**

Course # 03-012212-30 Water & Wastewater

CPWM Course NJWEA-DLGS-1219

**Moderators:** **Frank Pestana**, Executive Director, North Bergen MUA  
**Carrie Ann Lyons**, Lyons Environmental

- 8:30 am Session 4 Starts
- 9:30 am Coffee Break (Included)
- 11:45 am Lunch (Included)
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- 3:30 pm Session Ends

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**THURSDAY, SEPTEMBER 14, 2023**

**Thursday, September 14, 2023**

## **SESSION II — Lab Workshop - Fall 2023**

### **Water & Wastewater**

Course # 03-072313-30 (5.0 TCH)

CPWM Course NJWEA-DLGS-1325, 5.0 Hr. Tech

**Moderators:** **Jennifer Marques**, Laboratory Director, PVSC  
**Chris Nally**, President, American Aquatic Testing, Inc.

- |          |   |
|----------|---|
| 8:30 am  | <b>Opening Remarks</b>  |
| 8:45 am  | <b>NJDEP Regulatory Update</b><br>Staff Member, NJDEP Office of Quality Assurance   |
| 9:45 am  | Coffee Break (Included)   |
| 10:00 am | <b>Easier Recordkeeping and Calculations</b><br>Ryan Larum, Quality Assurance Officer, Trenton Water                      |
| 10:45 am | <b>Implementing a Laboratory Information Management System (LIMS)</b><br>Taylor Makin, Senior Account Executive, Clinisys |
| 11:45 pm | Lunch (Included)  |
| 1:30 pm  | <b>Ultra-Low range Total Chlorine Analysis</b><br>Paul Handke, Applications Manager, HACH                                 |
| 2:30 pm  | <b>To Be Announced</b>  |
| 3:30 pm  | Session Ends  |

## **DID YOU KNOW?**

The NJWEA offers Thousands of Dollars worth of Scholarships and Awards annually, to Middle School Students, High School Students, Associates Degree Students, Bachelors Degree Students, Masters Degree Students and Doctorate Students.

**Visit [WWW.NJWEA.ORG](http://WWW.NJWEA.ORG) for more info.**



# THURSDAY, SEPTEMBER 14, 2023

**Thursday, September 14, 2023**

## **SESSION III - Maintenance Workshop - Fall 2023**

Course # 03-072314-30 (5.0 TCH) W&WW

CPWM Course NJWEA-DLGS-1326, 5.0 Hr.Tech

**Moderators:** **Roman Wisniewski**, JMEUC Maintenance Manager, Retired  
**Mike Maffia**, JMEUC Asst. Maintenance Manager

- 8:30 am      **The Selection and Maintenance of U.V. Disinfection Systems**  
Romeo Velo, Director of Engineering, Glasco UV
- 9:05 am      **Valve Automation Fundamentals, Applications & Performance**  
Bill Richardson Jr., President, RVA
- 9:40 am      **How to be Predictive in Your Maintenance Goals**  
Heather Lovero, Senior Solutions Architect  
John Schrober, Vice President,  
Partnerships Asset Watch.com
- 10:15 am      Coffee Break (included)
- 10:30 am      **Lifting Equipment Inspection and Compliance**  
Brian Karas, District Sales Manager, Lift-All Company Inc.
- 11:45 am      Lunch (included)
- 1:30 pm      **Compressed Air Best Practices**  
Gary Symonds, Senior Account Manager,  
Air and Gas Tech. Inc.
- 2:10 pm      **Introduction of Automatic Self-Cleaning Strainers**  
Yuval Schwartz, Orival Inc.
- 2:50 pm      **Analytic Analysis in Waste Water Treatment Plants**  
MBA Necmi Selimoglu, Product Business Manager,  
Endress + Hauser USA
- 3:30 pm      Session Ends

# THURSDAY, SEPTEMBER 14, 2023

**Thursday, September 14, 2023**

## **Session IV – Biosolids/Energy - Fall 2023**

### **Wastewater**

Course # 03-072315-20 (5.0 TCH) WW

Course NJWEA-DLGS-1327, 5.0 Hr.Tech

**Moderators:** **Dr. Phil Pedros**, Mott MacDonald  
**Rich Crane**, PS&S

- |          |   |
|----------|---|
| 8:30 am  | <b>Fleet EV</b><br>Michelle Stark, CDM Smith  |
| 9:00 am  | <b>RNG using Biogas</b><br>Jay Surti, East Region Biosolids Leader, GHD   |
| 9:30 am  | <b>Intensification by Autothermal Pyrolysis</b><br>Dr. Phil Pedros, MM  |
| 10:00 am | Coffee Break (included)   |
| 10:15 am | <b>PFAS Removal and Destruction in Biosolids</b><br>Dr. Mohammad Abu-Orf and Micah Blate,<br>Hazen and Sawyer                         |
| 10:45 am | <b>The Power of CHP in the Microgrid Context</b><br>Eric Lavin, Vice President of Power Systems,<br>Atlantic & Florida Detroit Diesel |
| 11:15 am | <b>Current Biosolids Topic</b><br>Jon Orr, Veolia   |
| 11:45 am | Lunch (included)  |
| 1:30 pm  | <b>Biosolids Incineration and PFAS</b><br>Michael Hilton, IFCO  |
| 2:00 pm  | <b>CCMUA Energy Management</b><br>Laurie Weigand-Jackson, Utility Advantage   |
| 2:30 pm  | <b>SMRSA Net Zero Energy</b><br>Ryan Krause, SMRSA Executive Director   |
| 3:00 pm  | <b>Hydrothermal Liquefaction for Biofuel Production</b><br>John Willis, Brown and Caldwell  |
| 3:30 pm  | Session Ends  |

# REGISTRATION - PAGE 1 OF 2

**MAIL TO:** **NJ Water Environment Association Registrar**  
PO BOX 737, Woodland Park, NJ 07424  
Tel: (973) 239-9200 - Fax: (973) 239-9239  
**Debbie Cardena**, Registrar  
Email: dcardena@njwea.org

**Online Registration:** <https://tinyurl.com/57ft8wvd>

Registrant Name: \_\_\_\_\_

NJWEA/WEF MEMBER ID # \_\_\_\_\_ REGISTRANT CERTIFIES HE OR SHE IS QUALIFIED FOR PWO MEMBERSHIP AND WORKS AS A HANDS ON OPERATOR or MAINTENANCE TECH or LAB TECH IN A SEWERAGE SYSTEM OR WATER TREATMENT PLANT SYSTEM OR COLLECTION/DISTRIBUTION SYSTEM: YES: ☐ NO: ☐

**NEW MEMBER** or **MEMBERSHIP RENEWAL:** YES ☐ NO ☐

**NOTE: THESE ARE PRE-REGISTRATION FEES - ON-SITE REGISTRANTS ADD \$12.00**

## Monday, September 11, 2023

\_\_\_ I Utility Management ..... \$135.00  
\_\_\_ II Unit Process..... \$135.00  
\_\_\_ III Utility of the Future ..... \$135.00  
\_\_\_ IV DPW..... \$135.00  
\_\_\_ V Engineering, Evening..... \$135.00

## Tuesday, September 12, 2023

\_\_\_ I Utility Management ..... \$135.00  
\_\_\_ II AEA/NJWEA Joint Session . \$135.00  
\_\_\_ III Regulatory Updates..... \$135.00  
\_\_\_ IV Industrial Management... \$135.00  
\_\_\_ V Engineering Ethics ..... \$135.00

## Wednesday, September 13, 2023

\_\_\_ I Utility Management ..... \$135.00  
\_\_\_ II Collection O & M..... \$135.00  
\_\_\_ III Safety ..... \$135.00  
\_\_\_ IV NY/NJ/PA PE Training..... \$135.00  
\_\_\_ V Engineering, Evening..... \$135.00

## Thursday, September 14, 2023

\_\_\_ I Utility Management ..... \$135.00  
\_\_\_ II Lab Workshop..... \$135.00  
\_\_\_ III Maintenance Workshop .. \$135.00  
\_\_\_ IV BioSolids ..... \$135.00

**• • REGISTRANT MUST CHECK ALL SESSIONS THEY PLAN TO ATTEND • •**

**IF YOU ARE NOT A  
CURRENT NJWEA MEMBER  
YOU MUST CIRCLE ONE  
MEMBERSHIP CHOICE** →

New / Renewal PWO Membership: .....Add \$117.00  
New / Renewal Professional Membership: ..... \$182.00  
Young Professional Renewal: ..... Add \$57.00  
NJ Associate Member ..... \$55.00

**PAYMENT AMOUNT DUE:** (SUM & ENTER ON PG2) \_\_\_\_\_

SUBMIT BOTH PAGES FOR REGISTRATION • PG 1 OF 2

# REGISTRATION - PAGE 2 OF 2

## Faxed Registrations Must Include Credit Card or Purchase Order Information To Receive Pre-Registration Rate

- PRE-REGISTRATION BY MAIL MUST BE POSTMARKED BY September 8, 2023
- PRE-REGISTRATION BY FAX ENDS September 8, 2023
- NO CANCELLATIONS ACCEPTED AFTER September 8, 2023
- Online Registration Ends September 10, 2023

Non-member Registrations will receive either a ONE YEAR ACTIVE OR  
PWO MEMBERSHIP OR RENEWAL in the NJWEA and WEF if eligible

### PLEASE PRINT CLEARLY OR TYPE NAME AS IS APPEARS ON YOUR WW LICENSE

REG. DATE: \_\_\_\_\_

Last Name: \_\_\_\_\_

First Name: \_\_\_\_\_

Middle Initial: \_\_\_\_\_ Social Security No: XXX / XX / \_\_\_\_\_ (LAST 4 ONLY)

Billing Address Is: ☐ HOME ☐ WORK (check one)

Company Name: \_\_\_\_\_

BILLING ADDRESS: \_\_\_\_\_

City \_\_\_\_\_

State: \_\_\_\_\_ Zip \_\_\_\_\_

Phone: \_\_\_\_\_ Cell: \_\_\_\_\_

Fax: \_\_\_\_\_ Email: \_\_\_\_\_

NJDEP Operator License No. \_\_\_\_\_ (one license only, include zeros)

Licensed Operator Classification (i.e. S1, T4, etc.) \_\_\_\_\_

### PAYMENT METHOD/Check/PO/Credit Card

Please make enclosed check or voucher payable to: "NJWEA"

**PAYMENT AMOUNT DUE:** (From Page One) \_\_\_\_\_

☐ Check Enclosed ☐ PO/Voucher • PO NUMBER: \_\_\_\_\_

#### CREDIT CARD INFORMATION:

☐ VISA ☐ MasterCard

NAME AS IT APPEARS ON CC: \_\_\_\_\_

Card No: \_\_\_\_\_

Expiration Date: \_\_\_\_\_ CVV2 # \_\_\_\_\_ (Last 3-digits on the signature area of the card)

**Signature:** \_\_\_\_\_

Approval # (For Office Use): \_\_\_\_\_

# SEMINAR AND TECHNOLOGY TRANSFER COMMITTEE

## CHAIRPERSONS:

**Joanne Mancuso**, Retired

**Christopher Pabst**, Projects Manager, JMEUC

Maria Bausch, PE, ENV SP,  
Senior Project Engineer, Mott MacDonald

Francis Bonaccorso,  
Superintendent, JMEUC,  
President Elect, NJWEA

Sorin Astalus, JMEUC, IT Committee, NJWEA

Joseph Bonaccorso, Project Manager,  
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Julian Chinelli, Hazen and Sawyer

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Robert De Block, Executive VP,  
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Rick Eustace, Project Manager,  
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Robert Fischer, Sr. Project Director, PS&S,  
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Srinivas Gidugu, Project Manager, HAKS

Thomas Greni, President, ECM,  
Past President, NJWEA

Chris Hoffman, Retired, NJDEP

Michael Hope, Exec. VP of Eastern  
Operations, Greeley and Hansen,  
Vice President, NJWEA

Harry Ladisheff, Operator,  
Bayshore Reg. Sewerage Authority

Louis Lambe, PVSC,  
NJWEA Delegate to WEF

Carrie-Anne Lyons, Lyons Environmental

Donna Lyons, Laboratory Supervisor,  
Lyons Environmental

Jennifer Marques, PVSC

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IT Committee, NJWEA

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# **New Jersey Water Environment Association**

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