



New Jersey Water Environment Association PRESENTS



THE 2023 Winter Technology Transfer Seminar

MARCH 27 - MARCH 30, 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

IMPORTANT

The Department of Environmental Protection now requires that anyone who has failed an examination three times must take a "re-qualification" course prior to being admitted to the examination again. NJWEA has received approval to provide a series of courses to satisfy that requirement.

Persons needing to re-qualify S or N license exams must complete 2 days of sessions as follows:

Candidates for S 1 thru 4 and N 1 thru 4 must take the course designated S1-4, N1-4 on Monday. Then, all candidates for S1 and S2 must take the course designated S1-2 on Tuesday, while all candidates for S3 and S4 must take the course designated S3-4 on Wednesday.

After the Monday course, all N1 - N4 candidates must then take the course designated N1-4 on Tuesday,

Candidates for C 1 thru 4 must take the course designated C1-4 on Mon-day.

Then, Candidates for C1 and C2 must take the course designated C1-2 on Wednesday. Candidates for C3 and C4 must take the course designated C3-4 on Thursday.

A certificate indicating that the applicant has completed the specific re-qualification course (2 days) will be issued.

These courses are also TCH sessions
applicable to License Renewal.

108th John J. (Jack) Lagrosa Annual Conference and Exposition

May 8-12, 2023 | Harrah's Resort, Atlantic City, New Jersey

EXHIBITION Tuesday, Wednesday, Thursday
FOR GOVERNMENT - BUSINESS - INDUSTRY

EXHIBIT HALL FEATURES IN 2023

1. More sessions in & out of exhibit area on Thursday.
No sessions 11:00 am - 1:00 pm on Thursday -
Coffee & Lunch in Exhibit Area.
2. Wheel of Fortune in the Exhibit Area.
3. Raffles in the Exhibit Area every day.
4. Tuesday Wine & Cheese Reception in Exhibit Area.
5. Wednesday Beef & Brew Reception in the Exhibit Area.
6. Tuesday & Wednesday Special - Lunch & Refreshments
in Exhibit Area - Thursday Brunch.
7. Post Conference Reception - Thursday Evening.
8. TCH Sessions in the Exhibit Hall at various times.
9. Coffee Stations in Exhibit Area Tuesday, Wednesday & Thursday.
10. Beer & Soda Beer Stations in Exhibit Area Tuesday & Wednesday.



CONFERENCE SPONSORSHIP OPPORTUNITIES ARE AVAILABLE

Included with your sponsorship:

- Sponsorships received prior to April 1, 2023 will be included in the Conference Program.
- Recognition in the post-conference issue of NJ EFFLUENTS.
- Inclusion in the Sponsorship Banner on the Association Home Page, NJWEA.ORG
- The Sponsorship Banner will be linked to website.
- Listing in the Conference "Whova App".
- Sponsorship List displayed at the Sponsored Event

SUPPORT THE DIRECTORIES

EQUIPMENT PRODUCTS & SERVICES - OR - ENGINEER'S DIRECTORIES

Express your support of the NJWEA Annual Conference through your company listings on the Sponsors Display Board outside the registration area. Your support will help offset the costs at the meeting. In addition, all listings received prior to April 1, 2023 will be included in the post-conference issue of NJ EFFLUENTS and the conference program booth.

ONLINE EXHIBITOR REGISTRATION: <https://tinyurl.com/2p8t7rhn>

PLEASE SUPPORT OUR ANNUAL CONFERENCE

FOR ALL EXHIBITS AND INFORMATION RELATED TO THE 2023 CONFERENCE:

James De Block, Executive Director
Office: 973-239-9200 • Cell: 973-417-3082
jdeblock@njwea.org

FOR ALL SPONSORSHIPS AND ADS RELATED TO THE 2023 CONFERENCE:

Rick Eustace, Conference Manager
Cell: 609-820-5669
reustace@njwea.org

ATTENDEES REGISTRATION

Debbie Cardena,
Registrar
dcardena@njwea.org
Phone: 973-239-9200
Fax: 973-239-9239

WASTEWATER LICENSE REVIEW & RE-QUALIFICATION

Monday, March 27, 2023 — Winter 2023

SESSION Ia - Wastewater License Review & Re-qualification

Course S 1-4, N 1-4: Day One Course # 03-011002-20 (5.0 TCH - WW) NJWEA-DLGS-490 (5.0 Hr. Tech)

Moderators: **Steve Dowhan**, Superintendent, JMEUC

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

Topics: Math, RBC, Trickling Filters, Rules & Regs, Pumps & Hydraulics and Disinfection.

Monday, March 27, 2023 — Winter 2023

SESSION Ib - Wastewater License Review & Re-qualification

Course C 1-4: Day One Course # 03-011003-20 (5.0 TCH - WW) NJWEA-DLGS-491 (5.0 Hr. Tech)

Moderators: **Louis Lambe**, PVSC

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

Topics: Licensing, sewer use ordinances, pipeline materials, appurtenances, pump stations, alternative facilities, flow, velocity, monitoring, hydraulics, pipe cleaning, CCTV, I&I, fats, roots, oils, grease, emergency response.

Tuesday, March 28, 2023 — Winter 2023

SESSION Ia - Wastewater License Review & Re-qualification

Course S 1-2: Day Two Course # 03-011004-20 (5.0 TCH - WW) NJWEA-DLGS-492 (5.0 Hr. Tech)

Moderators: **Steve Dowhan**, Superintendent, JMEUC

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

Topics: Biological Industrial Treatment Processes, Physical/Chemical Treatment, Oil-Water Separation, pH Adjustment, Coagulation, Flocculation, Sedimentation, Chlorination, Sludge Treatment Processes, IPP Rules, Lab Procedures, Using Lab Results to Control Industrial treatment Processes, Lab Micro, SBRs, Enhanced Biological Treatment, Metal Waste.

Tuesday, March 28, 2023 — Winter 2023

SESSION Ib - Wastewater License Review & Re-qualification

Course N 1-4: Day Two Course # 03-011005-20 (5.0 TCH - WW) NJWEA-DLGS-493 (5.0 Hr. Tech)

Moderators: **Ron Suto**, PVSC

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

Topics: Biological Treatment, Primary Treatment, Solids Handling, Nitrification.

WASTEWATER LICENSE REVIEW & RE-QUALIFICATION

Wednesday, March 29, 2023 — Winter 2023

SESSION Ia - Wastewater License Review & Re-qualification

Course S 3-4: Day Two

Course # 03-011006-20 (5.0 TCH-WW), NJWEA-DLGS-494 (5.0 Hr. Tech)

Moderators: **Steve Dowhan**, Superintendent, JMEUC

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

Topics: Lab Procedures, Using Lab Results to Control Processes, Math, Utility Management, Sludge Digestion, Advanced Wastewater, Nutrient Removal, Odor Control.

Wednesday, March 29, 2023 — Winter 2023

SESSION Ib - Wastewater License Review & Re-qualification

Course C 1-2: Day Two

Course # 03-011008-20 (5.0 TCH-WW), NJWEA-DLGS-496 (5.0 Hr. Tech)

Moderators: **Louis Lambe**, PVSC

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

Topics: Plans and Specs, Trenching, Bedding & Backfill, Pumping, Hydraulics, Math, Safety, Collection System Hazards, Traffic Control, Confined Space Entry, Odors, Corrosion, Hydrogen Sulfide.

Thursday, March 30, 2023 — Winter 2023

SESSION I - Wastewater License Review & Re-qualification

Course C 3-4: Day Two

Course # 03-011009-20 (5.0 TCH-WW), NJWEA-DLGS-497 (5.0 Hr. Tech)

Moderators: **Louis Lambe**, PVSC

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

Topics: Rehab & Repair of Sewer lines, Manholes, Service Laterals, pump stations, GIS, Asset Management, Record Keeping, Report Writing, Public Relations, Security Measures, math, Pumping, Hydraulics, Pump station Guidance Doc, Collection System Guidance Doc.

MONDAY, MARCH 27, 2023

Monday, March 27, 2023 – Winter 2023

GENERAL SESSION

12:15pm **Welcome & Opening Remarks**
Joanne Mancuso, Chairman, S&TT Committee

SESSION II – Various Project Management Ways & Case Studies

Water & Wastewater Course #03-022301-30 (5.0 TCH)

CPWM Course NJWEA-DLGS-1266, 5.0 Hr. Mgmnt

Moderators: **Chris Garaffa**, Systems Analyst, Parsippany Troy Hills
 Sean Sauder, PMP, Project Manager, PS&S

8:30 am **Asset Management Fundamentals & Principals**
Landon Kendricks, Rockwell Automation

9:15 am **Stream Lining Project Management: A case study
on the JCMUA Phase 1 & 2, Sewer Rehabilitation**
Robert L. Esposito, EIT, Mott MacDonald

10:15 am Coffee Break (included)

10:30 am **Utility Rehabilitation, Project Challenge and Solutions**
Stephen Donati, Senior Vice President, PE CP Engineering

11:15 am **Project Management / Management Expectations**
Michael Coppola, Coppola Services

11:45 am Lunch (included)

1:30 pm **Procuring and Securing Funds for Project Management**
Thomas Fuscaldo, PVSC, R.P.P.O, QPA - Purchasing Agent

2:30 pm **Project Management Start at the Beginning**
Eric Reichert, Plant Manager RVRSA

3:30 pm Session Ends

MONDAY, MARCH 27, 2023

Monday, March 27, 2023 – Winter 2023

SESSION III – Utility of the Future - Intelligent Water Solutions

Course #03-022302-30 (5.0 TCH-WWW)

NJWEA-DLGS-1267, 5.0 Hr. Tech

Moderators: **Jay Surti, P.E.**, Eastern Regional Biosolids Leader, GHD
Sean Sauder, PMP, Project Manager, PS&S
Brian Valliere, Lic. Op, Superintendent, Borough of Mendham STP
Josh Ferguson, Civil Engineer, Greeley and Hansen

8:30 am **Utility of the Future and Industrial Internet of Things (IoT)
Applications in Water and Wastewater**

John Abrera, Digital Practice – Operations Analytics Leader Stantec;
Vijesh Karatt Vellatt, P.E., Wastewater Sector Leader Stantec

9:00 am **What Have We Learned from AI? Lessons from Applying
Machine Learning at Water Reclamation Facilities**

Susan Guswa, P.E. Woodard and Curran

9:30 am **Digital Transformation of Utilities: Making it Real**

Alton Whittle, P.E., Digital Accelerator, GHD;
Freddie Guerra, Digital - Water Market Lead, GHD

10:00 am Coffee Break (included)

10:15 am **Advancing Odor Control Using Intelligent Solutions at the
Camden County Municipal Utilities Authority**

Scott Schreiber, Executive Director CCMUA,
Len Gipson, Director of Operations & Maintenance,
Wastewater Treatment Division, CCMUA

10:45 am **Why Model Real Time When You Can Model the Future?
The Fort Wayne Experience**

Jingjing Diang, PhD, P.E. Senior Planning Engineer, Black & Veatch

11:15 am **How Information Technology is Transforming the
Water/Wastewater Industry**

David Silverman, P.E. Manager Process Solutions, Pumping Services, Inc.

11:45 am Lunch (included)

1:30 pm **Optimizing Upstream Wastewater Quality Utilizing a
Wastewater Data Intelligence Tool**

Guy Cohen, Chief Product Officer, Kando

2:00 pm **Instrumentation, Data and Process Management Tools Using AI
Devices in the Wastewater Industry**

Matthew Gray, Hach

2:30 pm **Focused Electrode Leak Location, a 30" main, a leak,
a hole and AI particle tracking confirming leaks**

Mike App, Executive Vice President, ElectroScan

3:00 pm **Panel Discussion – IoT and Technology Implementation Discussion**

3:30 pm Session Ends

MONDAY, MARCH 27, 2023

Monday, March 27, 2023 – Winter 2023

SESSION IV – Safety - Winter 2023

Course #03-022303-31 SAFETY (5.0 TCH)

CPWM Course NJWEA-DLGS-1268, 5.0 Hr.Tech

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

8:30 am **Right to Know/Hazcom - OSHA 29 CFR 1910.1200**
An informative seminar outlining and discussing the basics of chemical safety in the workplace. We will cover the handling, use, and storage in addition to the associated hazards, safety precautions and annual NJ reporting requirements.
Presented by: Daren Difonzo, Senior Safety Consultant, Certified Health and Safety

9:45 am Coffee Break (included)

10:00 am **Right to Know/Hazcom wrap up.**

11:15 am **Chemical Safety Showers and Eyewashes**
Presented by: Matt Tomkowski, 3M Representative

11:45 am Lunch (included)

1:00 pm **Fall Protection – OSHA 29 CFR 1910.28 and 140**
Falls are the leading cause of injuries and death in the workplace. You will gain insight and understand the fall protection requirements in your workplace. We will discuss equipment such as harnesses, lanyards and Self retracting lifelines (SLR) and more. Ending with a parking lot field trip to experience the Drop Test Demo Unit.
Presented by: Rick Stafford – NJWEA Vice Chairman;
Matt Tomkowski, 3M Representative

3:00 pm Session Ends

MONDAY EVENING SESSION

SESSION V – Making Cent\$ Out of Engineering Economics

Course #03-022304-30 NYPE (2.0 TCH WWW) NYPE, NJPE & PAPE

CPWM Course NJWEA-NJWEA-DLGS-1269 2.0 Hr. Tech

Moderator: **Michael Roy, P.E.,** Old Bridge MUA
Making Cent\$ Out of Engineering Economics
Instructor: Danielle Farrell, P.E., Mott MacDonald

4:30 pm Session Begins

6:30 pm Session Ends

TUESDAY, MARCH 28, 2023

Tuesday, March 28, 2023 – Winter 2023

GENERAL SESSION

8:15 am **Welcome & Opening Remarks**
Joanne Mancuso, Chairman, S&TT Committee

SESSION II – Hazardous Materials Transportation Compliance

Course # 03-022305-30 WWW (5.0 TCH) CPWM Course NJWEA-DLGS- 1270, 5 HRTech,
Department of Transportation – HMR 172.704

Presented and Moderated by: Thomas Greci

Tom Greci is a Technical Manager and Principal for Environmental Compliance Monitoring, Inc. (ECM). Mr. Greci has more than 40 years of experience working in the environmental field. His experience includes environmental management, regulatory compliance training, hazardous waste management, site remediation, laboratory analysis, ecological studies, and safety. *The Federal hazardous materials (HAZMAT) law was developed to protect against the risks to life, property, and the environment which are inherent in the transportation of hazardous materials. The Department of Transportation (DOT) HAZMAT Regulations (HMR; 49CFR Parts 171-180) govern the labeling, packaging, conveying, and safe transportation of hazardous materials by air, highway, rail, and by water. As stated in the Code of Federal Regulations (CFR), a hazardous materials employer meeting the definition of a hazardous material shipper is required to provide HAZMAT training to its employees. HAZMAT training is required by the DOT for any employee responsible in the shipping of hazardous materials. Employers are also required to maintain documentation relative to the training and provide refresher training every three years. In many instances, industrial facilities and municipal authorities ship and receive hazardous materials making them applicable to the regulations. NJWEA, in conjunction with ECM, Inc., will prepare a HAZMAT training program that includes topics considering general awareness and familiarization, function specific criteria, security, and safety. **This five-hour training course will satisfy initial and three-year refresher DOT training requirements for a HAZMAT employer.***

AGENDA

8:30 am	Sign-In Introduction Summary of the Regulations Video – “Hazardous Materials: General Awareness & Familiarization”, USDOT
10:00 am	Coffee Break (Included) Hazard Material Identification/Classification HAZMAT Table (CFR 172.101) Shipping Papers Markings and Labeling Placarding 11:45 am Lunch (Included with Registration)
1:30 pm	Packaging Understanding Materials of Trade Regulations Health & Safety Emergency Response Security Awareness USDOT Available Support & Documents General Discussion/ Q&A Test - Review Summary Review and Close-out
3:30 pm	Session Ends

TUESDAY, MARCH 28, 2023

Tuesday, March 28, 2023 – Winter 2023

SESSION III – Collection O&M - Winter 2023

Course #03-022306-20 (5.0 TCH) Wastewater
CPWM Course NJWEA-DLGS-1271, 5.0 Hr.Tech

Moderators: **Louis C. Lambe**, Passaic Valley Sewerage Commission
Joseph Polomene, P.E., Sherwood Logan & Associates

8:30 am **Introduction to Grease Program – Defining the Problem**
Louis C. Lambe, Engineer,
Passaic Valley Sewerage Commission

8:45 am **Grease, Wipes, and Headaches – A deeper look into issues Operators are facing**
Jonathan Mannarino,
Superintendent of Operations – TOMSA

9:15 am **Grease Trap Inspections in Princeton**
Andrew J. Filippi, P.E.,
Sewer Engineer, Municipality of Princeton

10:00 am Coffee Break (included)

10:15 am **Root and Grease Control**
Matt Grandinetti, Duke's Root Control, Inc.

11:00 am **Installation of a Grease Treatment Facility**
William T. Suchodolski, P.E.,
Ocean County Utilities Authority

11:45 am Lunch (included)

1:30 pm **Grease and Pump Station Maintenance and Cleaning**
Walter Jenness, Tri State Environmental Services LLC

2:15 pm **Collection System Grease and Odors Problem Solution**
Kent Troup, Troup Environmental

2:45 pm **Greasezilla**
Brian Levine, Downey Ridge Environmental Company

3:30 pm Session Ends

TUESDAY, MARCH 28, 2023

Tuesday, March 28, 2023 – Winter 2023

SESSION IV – Exploring/Addressing Challenges/ Issues at Today's Water Resource Recovery Facilities

Course #03-022307-20 (5.0 TCH)

CPWM Course NJWEA-DLGS-1272, 5.0 Hr. Tech

Moderator: **Jim Wancho, PE**, Paulus, Sokolowski & Sartor, LLC

- 8:30 am **Middlesex County Utilities Authority: Pump Station Replacement and Sludge Dewatering Equipment Upgrades**
Lisa Oberreiter, General Superintendent, MCUA
- 9:15 am **Stronger after Sandy: Aeration Resiliency & Efficiency Upgrades: Bayshore Regional Sewerage Authority's Contract 80S**
Julian Chianelli, PE, Senior Associate
John Wojnas, PE, Associate, Hazen and Sawyer
- 10:00 am Coffee Break (included)
- 10:15 am **Manasquan River Regional Sewerage Authority: Leveraging Simple Tech to Increase Collaboration and Efficiency: Case Study of a Small Utility's Experience**
Brian Brach, PE, Executive Director, MRRSA
- 11:00 am **Stanford WPCA: Wireless in Wastewater- A Case Study**
Daniel E. Capano, Construction Manager,
Gannett Fleming Engineers & Architects
- 11:45 am Lunch (included)
- 1:00 pm **Two Bridges Sewerage Authority: Tank Cleaning & Rehabilitation Project**
Brian Carey, PE, Authority Engineer, TBSA
- 1:30 pm **Ocean County Utilities Authority: Comprehensive Condition Assessment of Large Diameter/Long Out-fall in a Marine Estuary Environment**
William Suchodolski, PE, OCUA Engineering Man-ager
- 2:30 pm **How A Pump Modification Bridged a Gap Between Costly FOG/ Scum Problems in Four Different Lift Stations**
Art Savage, Regional Sales Manager, at Landia, Inc.
- 3:30 pm Session Ends

TUESDAY, MARCH 28, 2023

TUESDAY EVENING SESSION - March 28, 2023

SESSION V – Professional Engineering Ethics and Case Studies Winter 2023

Course #03-022308-30 NYPE (2.0 TCH WWW) NYPE, NJPE & PAPE
CPWM Course NJWEA-DLGS-1273 2.0 Hr. Ethics
CPS Credit PA/NY/NJ PE – 2 credit hours

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

Professional Engineering Ethics and Case Studies

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

4:30 pm Session Begins
6:30 pm Session Ends

GUESS WHAT ENGINEERS!

**YOU CAN STAY OVER AND JOIN US
FOR ENGINEERING CREDITS!**

**Tuesday Evening Ethics,
Wednesday P.E. Workshop, and an
“Energy Workshop” on Thursday**

That is 11 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.

STAY OVER WITH THE NJWEA!!

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

**Sunday March 26, 2023 through
Thursday March 30, 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, March 26, 2023
Date of Departure: Thursday, March 30, 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

WEDNESDAY, MARCH 29, 2023

Wednesday, March 29, 2023 – Winter 2023

GENERAL SESSION

12:15pm **Welcome & Opening Remarks**
Joanne Mancuso, Chairman, S&TT Committee

SESSION II – Water & Wastewater Operations - Winter 2023

Course #03-022309-30 WW (5.0 TCH)
CPWM Course NJWEA-DLGS-1274, 5.0 Hr.Tech,

Moderator: **Joseph Polomene, P.E.,**
Sherwood Logan & Associates

8:30 am **Materials Handling**
Jim Edwards, Cordell

9:15 am **Pump Design & Hydraulics**
Jake Scherer, Koester

10:15 am Coffee Break (included)

10:30 am **Instrumentation**
TBD

11:15 am **We Want to Pump... You Up!**
Ryan Holak, Pumping Services

11:45 am Lunch (included)

1:30 pm **Blowers 101**
Chad Barfoot, Atlas Copco

2:15 pm **Flow Control**
TBD

3:00 pm **Operations**
TBD

3:30 pm Session Ends

WEDNESDAY, MARCH 29, 2023

Wednesday, March 29, 2023 – Winter 2023

SESSION III – IT-SCADA-CYBER SECURITY - Winter 2023

Course #03-022310-30 WWW (5.0 TCH)

CPWM Course NJWEA-DLGS-1275, 5.0 Hr. Mgmnt

Moderators: **Frank Pestana**, Executive Director, North Bergen MUA
Sorin Astalus, Cyber Security Administrator,
Joint Meeting of Essex & Union Counties

8:30 am **Cyber Security Threats to Public Water Systems**
Michael Geraghty, Director,
NJ Cybersecurity Communications & Integration Cell
Chief Information Security Officer, State of New Jersey

9:30 am **Security Updates**
Sky Morehouse, Morehouse Engineering, President
John Rieszer, Morehouse Engineering
Matt Maloney, Morehouse Engineering,
Lead Systems Engineer

10:00 am Coffee Break (included)

10:15 (continued) **Security Updates**
Sky Morehouse, Morehouse Engineering, President
John Rieszer, Morehouse Engineering
Matt Maloney, Morehouse Engineering,
Lead Systems Engineer

10:45 am **Remote Monitoring of Pumping Stations**
Peter Tabone, PCS Pump and Process, Inc.

11:45 am Lunch (included)

1:30 pm **Protecting Against an Advanced-Persistent Threat**
Rocco Mandaglio, Computer Systems Administrator,
Passaic Valley Sewerage Commission

2:30 pm **Business Continuity/Disaster Recovery**
Lou Romero, Technology Risk Services Director,
Secure Data Consulting

3:30 pm Session Ends

WEDNESDAY, MARCH 29, 2023

Wednesday, March 29, 2023 – Winter 2023

SESSION IV – Professional Engineer Continuing Ed. Training – Advance Problem Solving, Design Considerations for Generator Sets, Using Drones in Engineering and Construction, Raising Dissolved Oxygen in the Delaware River, and the Thermal Hydrolysis Process on Sludge.

Course #03-022311-30 NYPE (5.0 TCH WWW) NYPE, NJPE & PAPE

CPWM Course NJWEA-DLGS-1276 5.0 Hr. Tech

CPS Credit PA/NY/NJ PE – 5 credit hours

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

8:30 am **Advanced Problem Solving for Engineers**
Connie Desrochers, P.E.

9:30 am Coffee Break (included)

9:45 am **Design & Installation Considerations for Generator Sets**
Eric Lavin, VP of Power Systems,
Atlantic Detroit Diesel - Allison

10:45 am **Drone Usage in Engineering and Construction**
Dennis K. Yoder, P.E., P.P., Director of Engineering,
R & V Engineers, Inc.
Kevin R. Zelinsky, GISP, CMS, Senior Associate,
R & V Engineers, Inc.
Collin Zelinsky, IT Administrator, Remote Pilot,
R & V Engineers, Inc.

11:45 am Lunch (included)

1:30 pm **Strategies for Dissolved Oxygen Improvement in the Delaware River**
Jean Malatronte, P.E., ANDRIS Consulting, LLC

2:00 pm **The Thermal Hydrolysis Process (THP) of Sludge to Benefit Solids Handling**
Krish Ramalingam, Research Professor and Director,
Applied Research Program, CCNY - NYCDEP

3:30 pm Session Ends

WEDNESDAY, MARCH 29, 2023

WEDNESDAY EVENING SESSION - March 29, 2023

SESSION V – An Introduction to Flow Meter Technology

Course #03-022312-30 NYPE (2.0 TCH WWW) NYPE, NJPE & PAPE
CPWM Course NJWEA-NJWEA-DLGS-1277 2.0 Hr. Tech

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

An Introduction to Flow Meter Technology

Instructor: Walter Freeman, Neal Systems, Inc.

4:30 pm

Session Begins

6:30 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**
- **Doctorate Students**

**Visit www.njwea.org/scholarship_awards_committee.php
for more information.**

THURSDAY, MARCH 30, 2023

Thursday, March 30, 2023 – Winter 2023

GENERAL SESSION

12:15pm **Welcome & Opening Remarks**
Chris Pabst, Chairman, S&TT Committee

SESSION II – Energy - Winter 2023

03-022313-30, WWW (5.0 TCH)

CPWM Course NJWEA-DLGS-1278 5 Hr. Mgmnt

Moderators: **Julian Chianelli, P.E.**, Senior Associate, Hazen and Sawyer
Richard Crane, P.E., Senior Director, PS&S

8:30 am **Trends in Combined Heat and Power Systems**
Fred Farra Vice President, Northeast/Western Energy Systems
Eduardo Alcorta, Director, Northeast/Western Energy Systems

9:30 am **Trends in Renewable Natural Gas**
Bryan Lisk, Associate Vice President, Hazen and Sawyer

10:00 am Break

10:45 am **Optimizing Water and Wastewater with New Jersey's Clean Energy Program Incentives**
Tiffany Lewis, Outreach Specialist and Account Manager,
TRC Companies, Inc.

11:15 am **Solar Energy Project, Western Monmouth Utilities Authorities**
Alex Rivera, Senior Vice President of Solar Development,
Vanguard Energy Partners, Branchburg, NJ

11:45 am Break

1:30 pm **Value of Energy Consultant**
Laurie-Weigand Jackson, President/CEO,
Utility Advantage, Woodstown, NJ

2:30 pm **Atlantic County Utilities Authority's Wind & Solar Energy Program Update**
Joe Pantalone, Vice President of Wastewater, ACUA

3:00 pm **ACUA's Hydrogen Initiative**
Matt DeNafo, Vice President of
Centralized Maintenance & Asset Management, ACUA

3:30 pm Session Ends

THURSDAY, MARCH 30, 2023

Thursday, March 30, 2023 – Winter 2023

SESSION III – Maintenance Workshop - Winter 2023

Course # 03-022314-30 WWW (5.0 TCH)

CPWM Course NJWEA-DLGS-1278, 5.0 HR Tech

Moderator: Roman Wisniewski, JMEUC Maintenance Manager

- | | |
|----------|---|
| 8:30 am | ERMATIC Beamed Multiple Cover System
Providing Big Solutions for Big Utilities
Craig Coggins, Technical Sales Engineer, EJ |
| 9:05 am | Pipe Repair and Chemical Containment Restoration
Rick Stafford, Operations Manager
Engineered Resin Solutions |
| 9:40 am | Lubrication Best Practices and Containment Control
Beth Onderdonk, North American Sales Director, Des-Case |
| 10:15 am | Coffee Break (included) |
| 10:30 am | Maintenance and Operation of Fire Hydrants
Andy, Clauhs, Territory Manager, Mueller |
| 11:45 am | Lunch (included) |
| 1:30 pm | Innovations in Today's Power Tools
Brendan Doud, Key Account Manager East Division
MSC Industrial Supply Co. |
| 2:10 pm | Facility Maintenance to Extend Service Life of Surfaces
Michael Tynio, Protective & Marine Representative
Heather Stiner, East Area Water/Wastewater Business
Development Manager, The Sherwin Williams Company |
| 2:50 pm | Lubricants: Conventional vs. Synthetic
Joe Romeo, President, Romeo Enterprises |
| 3:30 pm | Session Ends |

THURSDAY, MARCH 30, 2023

Thursday, March 30, 2023 – Winter 2023

SESSION IV – SUPERVISORY UPDATES - Winter 2023

Course #03-022315-30 WWW (5.0 TCH)

CPWM Course NJWEA-DLGS-1280, 5.0 Hr. Gov

- Moderators:** **Carrie Anne Lyons**, Lyons Environmental Services, LLC
Donna Lyons, Lyons Environmental Services, LLC
- 8:30 am **The New Design-Build Law**
Leslie G. London, McManimon, Scotland & Baumann, LLC
- 9:45 am Coffee Break (included)
- 10:00 am **USDOT & CDL Rules/Regulations for Municipalities and Private Carriers in and out of NJ**
Anthony Morreale, Co-Owner of
Tri-State Safety Solutions, LLC
- 11:45 am Lunch (included)
- 1:30 pm **Sensibility Training – Conflict Resolution and Dealing with Difficult People**
Howard W. Spencer, Certified Safety Professional
- 3:30 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 on the acceptability of a course will be between the individual and the Board.

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/bdmwhyjt>

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, March 27, 2023	Tuesday, March 28, 2023
___ Ia Licensed Op Rev. \$135.00	___ Ia Licensed Op Rev. \$135.00
___ Ib Licensed Op Rev. \$135.00	___ Ib Licensed Op Rev. \$135.00
___ II Project Management \$135.00	___ II HAZMAT \$135.00
___ III Utility of the Future \$135.00	___ III Collection O & M \$135.00
___ IV Safety \$135.00	___ IV Problems Concerns \$135.00
___ V PE / NIGHT \$135.00	___ VI PE Ethics \$135.00
Wednesday, March 29, 2023	Thursday, March 30, 2023
___ Ia Licensed Op Rev. \$135.00	___ I Licensed Op. Rev. \$135.00
___ Ib Licensed Op Rev. \$135.00	___ II ENERGY \$135.00
___ II Wastewater Operations \$135.00	___ III Maintenance Workshop ... \$135.00
___ III IT / SCADA / Mission \$135.00	___ IV Supervisory Issues \$135.00
___ IV NY/NJ/PA PE Training \$135.00	
___ V PE / Night \$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 \$64.00
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 March 23, 2023
- PRE-REGISTRATION BY FAX ENDS March 23, 2023
- NO CANCELLATIONS ACCEPTED AFTER March 24, 2023
- Online Registration Ends March 23, 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,
Assistant Superintendent, JMEUC,
President Elect, NJWEA

Joseph Bonaccorso,
Project Manager, CME Associates

Debbie Cardena, Registrar, NJWEA

Dan Carey, NJWEA

Jason Chase, Harper-Haines

Julian Chinelli, Hazen and Sawyer

Scott Conklin, Sea Girt Environmental

Steve Dowhan, Superintendent, JMEUC

Casey De Baun, Assistant Registrar, NJWEA

James De Block, Executive Director, NJWEA

Robert De Block, Executive VP,
DeBlock Environmental Services,
Past President, NJWEA

Rick Eustace, Project Manager,
DeBlock Environmental Services,
Deputy Executive Director, NJWEA

Robert Fischer, Sr., Project Manager, PS&S,
Treasurer, NJWEA

Srinivas Gidugu, Project Manager, HAKS

Thomas Greni, President, ECM
Past President, NJWEA

Michael Hope, President,
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, Laboratory Manager, PVSC

Terry McHugh Owner, All's Clear Services

Chris Nally, American Aquatic Testing

Lisa Oberreiter, Superintendent, MCUA

Dennis Palmer, Executive Director, Landis SA

Henry Penley, Retired,
Past President, NJWEA

Donna Peteja, Retired

Frank Pestana, Executive Director,
North Bergen MUA

Joseph Polomene, P.E.
Sherwood Logan & Associates

Glen Riscen, NJWEA

Michael Roy P.E.,
Old Bridge Municipal Utilities Authority

Bruce Smith, Comptroller, NJWEA

Harry Smith, Retired President,
Certified Health and Safety

Rick Stafford, Retired

Jay Surti, East Region
Biosolids Leader, GHD

Charles Theodora,
Ass't. Superintendent Bayshore RSA

Ramon Vara, Retired

James Wancho, P.E. Vice President
Paulus, Sokolowski & Sartor,

Roman Wisniewski,
Maintenance Manager JMEUC

Antoni Wyczasany,
Electrical Forman JMEUC



**New Jersey Water
Environment Association**

P.O. Box 737
Woodland Park, NJ 07424

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