


**NEW JERSEY WATER
ENVIRONMENT ASSOCIATION
PRESENTS**

**THE 2017 WINTER TECHNOLOGY
TRANSFER SEMINAR
MARCH 6, – MARCH 9, 2017
AT THE
SHERATON EATONTOWN
6 INDUSTRIAL WAY, EATONTOWN, NJ 732-542-6500**



**NEW JERSEY
WATER ENVIRONMENT ASSOCIATION
OFFICERS**

Thomas Greci.....President
Robert De Block.....President Elect
John Reardon.....Vice President
Bruce Smith.....Treasurer
John J. Lagrosa.....Executive Director

IMPORTANT

The Department of Environmental Protection now requires that anyone who has failed an examination three times must take a “requalification” 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 and N2 candidates must then take the course designated N1-2 on Tuesday, while candidates for N3 and N4 must take the course designated N3-4 on Wednesday.

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

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.

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.

NJWEA John J. Lagrosa 102nd Annual Conference and 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 manufactures and their representatives in a relaxed, informal setting to learn about their latest products.

May 8, 2017 through May 12, 2017

Bally's Atlantic City

Visit NJWEA.ORG for registration forms and information

Registration questions:

Darlene Galbraith, Registrar NJWEA P.O. Box 737, Woodland Park, NJ 07424
Phone: (973)-239-9200 -- Fax: (973) 239-9239 -E-Mail: dgalbraith@NJWEA.ORG

Monday, March 6, 2017—Winter 2017

**SESSION Ia Wastewater License Review & Re-qualification Course S 1-4, N 1-4:
Day One**

Course # 03-01 10 02 2-0 (5.0 TCH - WW) NJWEA-DLGS-490 (5.0 Hr. Tech)

Moderator: Steve Dowhan, Superintendent, Joint Meeting Essex & Union

8:30 am Session Starts

9:45 am Coffee Break (included)

11:45 am Lunch (included) 3:00 pm Session Ends

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

Monday, March 6, 2017—Winter 2017

SESSION Ib Wastewater License Review & Re-qualification Course C 1-4: Day One

Course # 03-01 10 03 2-0 (5.0 TCH - WW) NJWEA-DLGS-491 (5.0 Hr. Tech)

Moderators: Louis Lambe, Superintendent II, PVSC

8:30 am Session Starts

9:45 am Coffee Break (included)

11:45 am Lunch (included) 3:00 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 7, 2017—Winter 2017

SESSION Ia Wastewater License Review & Re-qualification Course S 1-2: Day Two

Course # 03-01 10 04 2-0 (5.0 TCH - WW) NJWEA-DLGS-492 (5.0 Hr. Tech)

Moderator: Steve Dowhan, Superintendent, Joint Meeting Essex & Union

8:30 am Session Starts

9:45 am Coffee Break (included)

11:45 am Lunch (included) 3:00 pm Session Ends

Topics: Biological Treatment, Primary Treatment, Solids Handling, Nitrification/ Denitrification, Math

Tuesday, March 7, 2017—Winter 2017

SESSION Ib Wastewater License Review & Re-qualification Course N 1-2: Day Two

Course # 03-01 10 05 2-0 (5.0 TCH - WW) NJWEA-DLGS-493 (5.0 Hr. Tech)

Moderator: Ron Suto, AQUA America

8:30 am Session Starts

9:45 am Coffee Break (included)

11:45 am Lunch (included) 3:00 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

Wednesday, March 8, 2017—Winter 2017

SESSION Ia Wastewater License Review & Re-qualification Course S 3-4: Day Two

Course # 03-01 10 06 2-0 (5.0 TCH-WW), NJWEA-DLGS-494 (5.0 Hr. Tech)

Moderator: Steve Dowhan, Superintendent, Joint Meeting Essex & Union

8:30 am Session Starts

9:45 am Coffee Break (included)

11:45 am Lunch (included) 3:00 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 8, 2017—Winter 2017

SESSION Ib Wastewater License Review & Re-qualification Course N 3-4: Day Two

Course # 03-01 10 07 2-0 (5.0 TCH-WW), NJWEA-DLGS-495 (5.0 Hr. Tech)

Moderator: Clark Wolverton, Superintendent, East Windsor Utilities Authority

8:30 am Session Starts

9:45 am Coffee Break (included)

11:45 am Lunch (included) 3:00 pm Session Ends

Topics: Lab Procedures, Using Lab Results to Control Industrial treatment Processes, Lab Micro, SBRs, Enhanced Biological Treatment, Metal Waste Streams, Solids Handling, IPP Rules & Regulations

Wednesday, March 8, 2017—Winter 2017

SESSION Ic Wastewater License Review & Re-qualification Course C 1-2: Day Two

Course # 03-01 10 08 2-0 (5.0 TCH-WW), NJWEA-DLGS-496 (5.0 Hr. Tech)

Moderator: Louis Lambe, PVSC

8:30 am Session Starts

9:45 am Coffee Break (included)

11:45 am Lunch (included) 3:00 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 9, 2017—Winter 2017

SESSION I Wastewater License Review & Re-qualification Course C 3-4: Day Two

Course # 03-01 10 09 2-0 (5.0 TCH-WW), NJWEA-DLGS-497 (5.0 Hr. Tech)

Moderator: Louis Lambe, PVSC

8:30 am Session Starts

9:45 am Coffee Break (included)

11:45 am Lunch (included) 3:00 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 6, 2017

GENERAL SESSION

8:15 am Welcome & Opening Remarks

Fran Bonaccorso, Chairman, S&TT Committee

Tom Greci - President, NJWEA

Monday, MARCH 6, 2017—Winter 2017

SESSION II Practical Solutions

Course # 03-01 17 01 3-0 (5.0 TCH) W&WW

CPWM Course NJWEA-DLGS-958, 5.0 Hr.Tech

Moderator: Roman Wisniewski, Maintenance Manager, JMEUC

John Gardner, Sales, Bendlin Inc.

Rafael Rovito, Sales, Raritan Group

8:30 am *Roof Preservation: A Sustainable Option*

Jefferey Dorfler, Sales

Tremco Roofing – Mid Atlantic Region

9:15 am *Extending the Life of Electrical Distribution Systems*

Timothy Kelly, Vice President of Sales and Marketing

Circuit Breaker Sales North East

10:00 am *Coffee Break (included)*

10:15 am *All About Hydrants*

Andy Clauhs, Sales Representative, Mueller Co.

11:45 am *Lunch (included)*

1:00 pm *Maintenance Reliability Workshop*

L.J. Andreuzzi, MRO Adhesive and Sealant Specialist

Henkel-Locktite

1:40 pm *How To Use Progressive Pumps Effectively*

Chad Huskey, Sales Engineer, Valley Tech Inc.

2:20 pm *Improving Indoor Air Quality*

Frank Taverna, Consultant-Trainer, Johnstone Supply

3:00 pm *Session Ends*

Monday, March 6, 2017

SESSION III Addressing New Jersey's Wet Weather Concerns

Course # 03-01 17 02 2-0 (5.0 TCH) WW

CPWM Course NJWEA-DLGS-959, 4.0 Hr.Tech, 1.0 Hr. Gov

Moderator: Robert C. Fischer, Executive Director, Bayshore Regional S.A.

Jay Surti, Director Engineering, Environmental Services, Suez

Combined Sewer Overflow Long Term Control Plans (CSO LTCP) are being developed and will soon be implemented in all of the Combined Sewer Systems throughout the United States including New Jersey. This Seminar will look at the CSO LTCP requirements, end-of-pipe alternatives available including in-plant blending and a look at methods available to determine pathogen loading at the discharge location. The USEPA requires all CSO communities to notify the public of CSO discharges as they occur. The seminar will explain how the Passaic Valley Sewer Commissioners is meeting this regulatory requirement. Since Green Infrastructure (GI) will likely be a component of all NJ CSO LTCP's the successful design and operation of GI projects in the Northeast will be discussed. In the afternoon the seminar focuses on the current state of stormwater permitting. The NJDEP will soon be issuing the new MS4 permits and a discussion on their content and relationship to Sewerage Authorities will be discussed along with an in-depth look at the Water Environment Federations Stormwater Institute and the development of Stormwater Utilities and Stormwater fees throughout the United States. This seminar will be presented by some of the most knowledgeable and experienced professionals on the topics of CSO LTCP and Stormwater.

8:30 am *A CSO Long Term Control Plan Overview*
Pilar Patterson, Program Manager, Kleinfelder

9:00 am *Alternatives for Combined Sewer Overflow Reduction*
Pilar Patterson, Program Manager, Kleinfelder

9:30 am *A Comparison of CSO Pathogen Loading Estimate Techniques*
Richard Isleib and Jason Cassara, HDR

10:00 am *Coffee Break (included)*

10:15 am *The PVSC Public Notification Process for CSO Discharge*
Thomas Newman, Senior Project Manager, HDR

10:45 am *The Role of the Operator in a Successful CSO LTCP*
Dr. Peter Peng, PhD, Senior Engineer, Suez

11:15 am *Green Infrastructure Design in Your LTCP*
Virginia Roach, Vice President, CDM Smith

11:45 am *Lunch (included)*

1:00 pm *The NJDEP General MS4 Permits*
Tim Doult, Bureau of Pretreatment and Residuals, NJDEP

1:30 pm *The Water Environment Federation's Stormwater Institute*
Chris French, Director of Stormwater Programs, WEF

2:00 pm *The State of Stormwater Utility Development in the United States*
Scott McClelland, Vice President, CDM Smith

3:00 pm *Session Ends*

Monday, March 6, 2017

SESSION IV – Managing Utility Challenges

Course # 03-01 17 03 3-0 (5.0 TCH) W&WW

CPWM Course NJWEA-DLGS-960, 5.0 Hr.Tech,

Moderator: Frank Pestana, Executive Director – North Bergen MUA

8:30 am *Contract Terms & Extended Warranties for a Win-Win Project Closeout*
PART 1
Patrick Westhoven, P.E., Senior Associate, PS&S
Natalya Shimunova, P.E., Associate, PS&S - *PART 2*
Tom Carmody, Partner, TC Tech LLC
Dave Glovinsky, Regional Manager, Pall Corporation

10:00 am Coffee Break (Included)

10:15 am Protecting Yourself With Your Bid Specifications
John Napolitano, Esq., Partner – Cleary, Giacobbe, Alfieri, Jacobs

11:15 am How To Avoid Contractor/Owner Disputes
Lee Tesser, Esq., Tesser & Cohen

11:45 am Lunch (included)

1:00 pm How To Avoid Contractor/Owner Disputes - CONTINUED
Lee Tesser, Esq., Tesser & Cohen

1:30 pm What To Look For in A Warranty
Joseph Macula, Northeastern Regional Manager, Franklin Miller

2:00 pm Vender/Customer – Problem Resolutions - PART 1
Rafael Rovito, Sales Engineer, Raritan Group
PART 2 - Cassie Rosina, Regional Sales Manager, HACH

3:00 pm Session Ends

MONDAY AFTERNOON SESSION, March 6, 2017

SESSION V – High Speed Turbo Blowers, Improved Dewatering

Course # 03-01 17 04 3-0 NYPE (2.0 TCH WWW) NYPE, NJPE & PAPE

CPWM Course NJWEA-NJWEA-DLGS-961 Hr. Tech

Moderators:

Michael Roy, P.E., Old Bridge MUA

Bryan Atieh, P.E., Hazen and Sawyer

4:00pm *Analysis of High Speed Turbo Blower Fleet Statistics*
Omar Hammoud, President, APG-Neuros

5:00pm *Improved Dewatering Through Decoupling*

Dan Fronhofer, P.E., BDP Industries

6:00 pm *Session Ends*

TUESDAY, MARCH 7, 2017

GENERAL SESSION

8:15 am **Welcome & Opening Remarks**
 Fran Bonaccorso, Chairman, S&TT Committee
 Mike Roy—Federation Delegate, NJWEA

Tuesday, March 7, 2017—Winter 2017

SESSION II Industrial Management—Winter 2017

Course # 03-01 17 05 2-0 (5.0 TCH) WW

CPWM Course NJWEA-DLGS-962, 5.0 Hr.Tech

Moderator: **Tom Eckhoff, Arrigetch Environmental**
 Pat MacFarland, Bristol-Myers Squibb

8:30 am ***Harvest the Storm***
 Michael Gauthier, Highland Tank

9:30 am ***Improving Treatment Plant Safety with Fiberglass Safety Platforms***
 Raymond Varela, Design Plastic Systems, Inc

10:00 am ***Coffee Break (included)***

10:15 am ***Food Waste Anaerobic Treatment Case Study***
 Manaf Farhan, PhD. Environmental Management Group, Inc

10:45 am ***TDS Shaving***
 Robert Newton, Atlantis Technologies

11:15 am ***TBD***
 Speaker TBD

11:45 am ***Lunch (included)***

1:00 pm ***Biological Treatment of High Strength Industrial Wastewater***
 David J. Silverman, PSI Process and Equipment

1:45 pm ***UV Disinfection for Industrial Applications***
 Denis O. Rehse, PSI Process and Equipment

2:30 pm ***Techniques for Pretreatment Capacity Increase Using Advanced Biological Systems***
 Wayne Flournoy, Entex

3:00 pm ***Session Ends***

Tuesday, March 7, 2017

SESSION III Collection System O&M

Pumping Station Operation, Maintenance, & Repair

Course # 03-01 17 06 2-0 (5.0 TCH) WW

CPWM Course NJWEA-DLGS-963, 5.0 Hr.Tech

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

- 8:30 am *Program Introduction***
 Louis Lambe, Passaic Valley Sewerage Commission
- 8:40 am *Direct In-Line Pump Systems for Wet Pit Lift Stations***
 Gabe Lederman, VP Business Development, IMEX Consulting
 Group, Inc.
- 9:20 am *Today's Pressure Sewer Systems***
 Todd Peluso, NE Regional Mgr., Water Resource Technologies
- 10:00 am *Coffee Break***
- 10:15 am *Air In Force Mains***
 Mike Gillespie, Envirep, Inc.
- 11:15 am *Introducing Asset Management***
 Committee Member, NJWEA Collection System Committee
- 11:45 am *Lunch (included)***
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- 1:00 pm *Rehabilitation of the Yantacaw Pumping Station***
 Louis C. Lambe, Passaic Valley Sewerage Commission
- 2:00 pm *Second Generation Pump Replacements in Collections Systems May
Save Significant Sums of Energy and Expense***
 William T. Suchodolski, P.E., Engineering Manager, OCUA
- 3:00 pm *Session Ends***

Tuesday, March 7, 2017

SESSION IV - Exploring - Problems, Concerns, Challenges and Issues - Winter 2017

Moderator: James Wancho, PE, Paulus, Sokolowski & Sartor, LLC

Course # 03-01 17 07 3-0 (5.0 TCH)

CPWM Course NJWEA-DLGS-964, 5.0 Hr.Tech

8:30am - 3:00pm

Coffee break: 10:15am

Lunch: 11:45am (included)

The NJWEA and the Technology Transfer Seminar Committee presents a session based loosely on fact; but coordinated by engineers and presented by real life professionals.

This session will attempt to delve into the various issues, concerns, challenges and possibly successes of projects, studies, and permitting of facilities and authorities.

There will be discussions and collaboration. We want to learn from our experiences and each other.

Please check www.njwea.com for updates on topic specificity.



TUESDAY AFTERNOON SESSION, March 7, 2017
SESSION V – Professional Engineering Ethics and Case Studies

Course # 03-01 17 08 3-0
NYPE (2.0 TCH WWW) NYPE, NJPE & PAPE
CPWM Course NJWEA-DLGS-965 2.0 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 4:00 pm and conclude at 6:00 pm

This Engineering Ethics Course will cover topics of interest and relevance to practicing Professional Engineers. Some areas of discussion include:

Developing an understanding of professional ethics concepts and laws

Reviewing the history and evolution of laws and regulations governing the practice of engineering

Changing attitudes of society on ethics, morals, human rights, corruption, crime and punishment

Examining the application of laws and regulations related to the practice of engineering

Discussion of case studies of ethical situations and engineering practices

GUESS WHAT!

YOU Can Stay Over and Join Us for an Engineering Marathon!

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

That is SIXTEEN (16) CPC Credit Hours for

Professional Engineers

Stay Over With the NJWEA!!

The Sheraton Eatontown and the NJWEA are offering a discounted room rate with a COMPLIMENTARY meal coupon.

Sunday March 5, 2017 through March 9, 2017

\$119.00 Traditional Guest Room includes Dinner for one at JR's Restaurant & Lounge

(guests will receive dinner coupons upon check-in)

To make reservations to stay one, two, three or four nights with the NJWEA Call: 732-542-6500 ASK FOR DENISE

Appetizer

Your choice of one

House Salad

Choice of Dressing

Or

Soup Du Jour

Entrée

Your Choice of one

Home Style Meatloaf

Mashed potatoes, vegetable and gravy

Chicken Parmesan

With linguine marinara

JR's Burger

Choice of cheese and French Fries

Grilled Chicken Caesar Salad

Dessert

Apple Bread Pudding

With caramel sauce

Dinner includes a non-alcoholic beverage

Education and Fellowship all Wrapped into One!!

WEDNESDAY, MARCH 8, 2017

GENERAL SESSION

8:15 am Welcome & Opening Remarks

Fran Bonaccorso, Chairman, S&TT Committee

Robert De Block, President Elect—NJWEA

Wednesday, March 8, 2017

SESSION II Wastewater Operations — Winter 2017

Water &/or Wastewater as determined by Ed. Advisory

Course # 03-01 17 09 2-0 (5.0 TCH)

CPWM Course NJWEA-DLGS-966, 5.0 Hr.Tech

Moderator: John V. Tobia, PE, Principal Project Manager, CH2M

Joe Polomene, PE, Associate, Sherwood Logan & Assoc.

8:30 am Case Study: Collection System Odor and Corrosion Control, Including H2S Prevention with SuperOxygenation

Alison Trollier, Regional Sales Manager, ECO Oxygen Technologies, LLC (ECO2)

9:20 am Advances in Anaerobic Digestion Practices

Todd O. Williams, PE, Residuals Resource Recovery Practice Leader, CH2M

10:15 am Coffee Break (included)

10:30 am Case Study: Sludge Conditioning at the Joint Meeting

Henry L. Johnsen PE, Project Manager, CME Associates

Daniel Girardi, Project Engineer, CME Associates

11:10 am Care and Feeding of Fiberglass Tanks

Gary L. Arthur – Executive Director and President, Fiberglass

Reinforced Plastics Institute, Inc.

11:45 am Lunch (included)

1:00 pm Troubleshooting Foaming Problems

Peter F. Strom, Ph.D., Professor, Dept. Environmental Science - School of Environmental & Biological Sciences, Rutgers University

2:00 pm Best Practices for Control and Recovery of Struvite

David J. Silverman, PE, Applications Engineer,

PSI Process and Equipment

3:00 pm Session Ends

Wednesday, March 8, 2017

SESSION III - Safety -Winter 2017

Course # 03-01 17 10 3-1 (5.0 TCH SAFETY)

CPWM Course NJWEA-DLGS-967, 5.0 Hr.Tech

Moderator/s:

Harry E. Smith III, CSM – NJWEA Safety Committee Chairman

Harry Ladisheff – Operator, Bayshore Regional SA

Rick Stafford – Safety Manager, Joint Meeting and Essex

8:30 am Electrical Safety and Arc Flash – OSHA 29 CFR 1910.330

and NFPA 70E - A seminar outlining and discussing the basics of electrical Safety and the associated hazards, safety precautions and procedures of routine and troubleshooting operations, were safety truly makes a difference in the outcome each time. *Do it properly or risk injury or possible death...*

Presented by: Harry E. Smith III, CSM, Owner and Senior Safety Consultant, Certified Health and Safety Services, LLC.

9:45 am *Coffee Break (included)*

10:00 am Electrical Safety and Arc Flash – OSHA 29 CFR 1910.330

and NFPA 70 Program continues, Video's, Arc Flash Surveys, and compliant labels

11:45 am *Lunch (included)*

1:00 pm Personal Protective Equipment : discussion, display, and demonstration of related tools, gear, and equipment. Hand's on demonstration of donning and doffing Equipment with Videos.

Presented by: Frank Dykas Jr, Sales Manager and other associates from Safety Today.

3:00 pm *Session Ends*

Wednesday, March 8, 2017

SESSION IV – Professional Engineer Continuing Ed. Training –
Winter 2017

HDPE Pipe, Evaluating Highway Bridges, Energy Neutrality, Consolidating Wastewater Treatment Plants, Connecting Two Water Storage Tanks.

**Course # 03-01 17 11 3-0 (5.0 TCH WWW)
NYPE, NJPE & PAPE
CPWM Course NJWEA-DLGS-968 5.0 Hr. Tech**

Moderators:

**Michael Roy, P.E., Old Bridge MUA
Kenneth S. Stoller, P.E., B.C.E.E., Q.E.P., - Consultant
Srinivas Gidugu, P.E., HAKS**

**8:30 am *The Features and Benefits of a HDPE Pipe Fitting System*
Mathew Mattison, Fusible HDPE Specialist, WWSC
HDPE Distributor**

9:30 am *Coffee Break (included)*

**9:45 am *Fundamentals of Structural Evaluations of Highway Bridges*
Samer Hassan, P.E. - Assistant Vice President, HAKS**

**10:45 am *Resource Recovery and The Quest for Energy Neutrality at Wastewater Resource Recovery Facilities*
Krish Ramalingam, Adjunct Professor, The City College of New York**

11:45 am *Lunch (included)*

**1:00 pm *Planning for the Future with Consolidated Wastewater Treatment in Montgomery Township, New Jersey*
Brian J. Friedlich, P.E., Project Manager, Kleinfelder
Erin L. Dovel, E.I.T., Staff Engineer, Kleinfelder**

**2:00 pm *Designing a Hydraulic Connection Between Two Water Storage Tanks*
Edward Traina, P.E., CME Associates**

WEDNESDAY AFTERNOON SESSION, March 8, 2017
Geographical Information Systems for Asset Management

Course # 03-01 17 12 3-0 NYPE (2.0 TCH WWW)
NYPE, NJPE & PAPE
CPWM Course NJWEA-DLGS-969 2.0 Hr. Tech

Moderators:
Michael Roy, P.E., Old Bridge MUA
Srinivas Gidugu, P.E., HAKS

4:00pm *Asset Management through Enterprise GIS Programs*

Suzanne Zitzman, GISP, Principal Associate, Maser Consulting

5:00pm *GIS Mapping / Asset Management Through A Cooperative Effort Between Owner And Consultant*

Edward Traina, P.E., CME Associates
Jason Ciak, E.I.T., CME Associates

6:00 pm *Session Ends*



THURSDAY, MARCH 9, 2017

GENERAL SESSION

8:15 am Welcome & Opening Remarks
Fran Bonaccorso, Chairman, S&TT Committee
Tom Greci—President NJWEA

Thursday, March 9, 2017

SESSION II Energy Workshop – Winter 2017

Course # 03-01 17 13 3-0 (5.0 TCH) W&WW

CPWM Course NJWEA-DLGS-970, 5.0 Hr.Tech

Moderators: Scott M. Conklin, Director of Technical Services, OCUA

Nicholas Salem, PE, LEED AP | Electrical Engineering Manager, Black & Veatch

8:30 am *Gasification for Energy Recovery*

Jeff Snyder, V.P. PHG Energy

9:10 am *The Maze Runner: The decision process for eight wastewater plants considering to become a utility of the future*

George Bevington, Operations Consultant, Gerhardt, LLC

09:45 am *Coffee Break (included)*

10:00 am *Assessing the Value of Microgrids for Water and Wastewater Utilities*

Ajay Kasarabada, CHP Solutions Manager, Black & Veatch

Jagmeet Khangura, Microgrids Lead, Black & Veatch

10:30 am *Updates on Energy Legislation*

Dennis Palmer, P.E., Executive Director/Chief Engineer, Landis S.A.

11:00 am *Generator upgrades, Auto DR, Demand Response, Demand Management, and Integrated Supply Strategies*

Laurie Wiegand-Jackson, Senior Vice President, IPKeys Power Partners LLC

11:45 am *Lunch (included)*

1:00 pm *Utilizing PPP's to Maximize Value of Existing WWTP and Infrastructure*

Richard H. Cistern, P.E., Renewable Organics Infrastructure, LLC

1:30 pm *Bergen County Utility Authority Energy Upgrades*

Steve Askew, Director of Water Pollution Control for BCUA.

2:00 pm *Best Practices for Procuring Energy in Deregulated Markets*

John H. Smith, Director, National Accounts, EMEX

2:30 pm *Water Utilities' Energy Cost Management, a Discretion or a Necessity – Managing Energy Cost Utilizing the Energy Decision Cash Flow Model*

Steve Tarallo, Client Services Director, Black & Veatch, Prabha Kumar, Director, Black & Veatch

3:00 pm *Session Ends*

Thursday March 9, 2017

SESSION III Maintenance—Winter 2017

Course # 03-01 17 14 3-0 (5.0 TCH) W&WW

CPWM Course NJWEA-DLGS-971, 5.0 Hr.Tech

Moderator: Roman Wisniewski, Maintenance Manager, JMEUC

John Gardner, Sales, Bendlin Inc.

Chris Garaffa, Sales, PCS Pump and Process

- 8:30 am *Assessing & Maintaining Roofing and Building Envelope*
Jeffrey A. Dorfler, Sales
Tremco-Roofing-Mid Atlantic Region
- 9:15 am *Victaulic Grooved Concepts and Fundamentals*
Carlos Samayoa, Municipal Sales Specialist Victaulic
- 10:00 am *Coffee Break (included)*
- 10:15 am *Safe Boiler Operating Procedures*
Tom Krall, Vice President
Miller & Chitty
- 11: 10am *Water Heaters Explained*
Roman Wisniewski, Maintenance Manager
Joint Meeting of Essex and Union Counties
- 11:45 am *Lunch (included)*
- 1:00 pm *Ultraviolet Disinfection Basics*
Jeff Giamoni, Director, QLI Inc.
- 1:40 pm *Advances in Digital Inspection*
Walter Jenness, President, Tri State Environmental
- 2:20 pm *New Standards for Fall Protection*
Frank Dykus, Safety Specialist, Safety Today Inc.
- 3:00 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 for more info

Thursday, March 9, 2017

SESSION IV Supervisory Issues—Winter 2017

Course # 03-01 17 15 3-0 (5.0 TCH) W&WW

CPWM Course NJWEA-DLGS-972, 5.0 Hr. Mgmt

**Moderator: Carrie Anne Lyons, Lyons Environmental
Jason Chase, Harper Haines**

8:30 am *Purchasing 101*
Michelle K. DeFrancis, Purchasing Officer,
Joint Meeting Essex and Union Counties

9:45 am *Coffee Break (included)*

10:00 am *The Essentials of Appraising Performance: Lessons Learned*
Jennifer J. Jackson, MS, SPHR, SHRM-SCP
Assistant Organizational Development Administrator, PVSC

11:45 am *Lunch (included)*

1:00 pm *Cohort-based Learning at AEA: A New Approach*
Peggy Gallos, Executive Director, AEA + Team

3:00 pm *Session Ends*

Directions to the Sheraton Eatontown

From the Garden State Parkway take exit 105 towards Eatontown. At the first traffic light turn right onto Hope Road. and continue through the first traffic light at Shank Road. Make a left onto Industrial way and stay on Industrial way through route 35. The Sheraton Eatontown is directly on the right after route 35

As an alternate at exit 105 stay on route 36 east to route 35 south Sheraton Eatontown is on left immediately after Industrial way (take jug handle to cross route 35)

MAIL TO: NJ Water Environment Association Registrar

PO BOX 737

Woodland Park, NJ 07424 Tel: (973) 239-9200 - Fax: (973) 239-9239

REGISTRANT NAME: _____

NEW MEMBER or MEMBERSHIP RENEWAL: YES ___ NO ___

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: _____

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

"REGISTRANT MUST CHECK ALL SESSIONS THEY PLAN TO ATTEND"

Monday, March 6, 2017		
___ Ia	Licensed Op Rev.	\$76.00
___ Ib	Licensed Op Rev.	\$76.00
___ II	Practical Solutions	\$76.00
___ III	CSO'S Wet Weather	\$76.00
___ IV	Managing Utility Challenges	\$76.00
___ V	Evening Engineering	\$76.00

Tuesday, March 7, 2017		
___ Ia	Licensed Op Rev.	\$76.00
___ Ib	Licensed Op Rev.	\$76.00
___ II	Industrial WW	\$76.00
___ III	Collections System	\$76.00
___ IV	Projects Challenges	\$76.00
___ V	Evening of Ethics	\$76.00

Wednesday, March 8, 2017		
___ Ia	Licensed Op Rev.	\$76.00
___ Ib	Licensed Op Rev.	\$76.00
___ Ic	Licensed Op Rev.	\$76.00
___ II	Wastewater Ops	\$76.00
___ III	Safety Workshop	\$76.00
___ IV	NY/NJ/PAPE Training	\$76.00
___ V	Evening Engineering	\$76.00

Thursday, March 9, 2017		
___ I	Licensed Op. Rev.	\$76.00
___ II	Energy Workshop	\$76.00
___ III	Maintenance Workshop	\$76.00
___ IV	Supervisory Issues	\$76.00

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

NEW / RENEWAL PWO MEMBERSHIP: ADD	\$107.00
NEW / RENEWAL PROFESSIONAL MEMBERSHIP:	\$172.00
YOUNG PROFESSIONAL RENEWAL: ADD	\$ 57.00

PAYMENT AMOUNT DUE: (SUM & ENTER ON PG2) _____

SUBMIT BOTH PAGES FOR REGISTRATION PG 1 OF 2

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

PRE-REG. BY MAIL MUST BE POSTMARKED BY March 1, 2017

PRE-REGISTRATION BY FAX ENDS March 3, 2017

NO CANCELLATIONS ACCEPTED AFTER March 3, 2017

Online Registration Ends March 2, 2017

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 / _____

Billing Address Is: HOME WORK (circle 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: "N J W E A"

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): _____

SUBMIT BOTH PAGES FOR REGISTRATION

PG 2 OF 2

SEMINAR AND TECHNOLOGY TRANSFER COMMITTEE

Chairpersons: Francis Bonaccorso *Assistant*

Superintendent, Joint Meeting Essex & Union Co.

and

Joanne Mancuso Township of Parsippany-Troy Hills WWTP

Matthew Bodzioch *Training Officer, Joint Meeting*

Essex & Union Co.

Joseph Bonaccorso *Project Manager, CME Associates*

Albert J. Capuzzi *Mid-Atlantic Practice Leader, Jacobs*

Dan Carey, *Accurate Waste Services*

Steve Dowhan *Superintendent, Joint Meeting of*

Essex & Union Counties

James De Block *President, DeBlock Environmental Services*

Robert De Block *Vice President, DeBlock Environmental*

Services

Rick Eustace *Executive Director, Bordentown*

Sewerage Authority

Robert Fischer *Executive Director, Bayshore Regional*

Sewerage Authority

Darlene Galbraith *Registrar, NJWEA*

John Gardner, *Regional Sales Manager, Bendlin Inc.*

Srinivas Gidugu *Project Manager, HAKS*

Chris Hoffman, P.E. *Research Scientist I, NJDEP*

Michael Hope *Office Director, Greeley and Hansen*

Shawn Kaciupski *Shift Supervisor, Joint Meeting*

Essex & Union Co.

Soulmaz Khojasteh *Executive Director, Franklin Township SA*

Richard Kunze *Consultant*

Harry Ladisheff *Operator, Bayshore Reg. Sewerage Authority*

Jack Lagrosa *Executive Director, NJWEA*

Louis Lambe *Superintendent Line Operations, PVSC*

Carrie-Anne Lyons *Lyons Environmental*

Donna Lyons *Laboratory Supervisor, Lyons Environmental*

James Neville, *Retired*

Terry McHugh *Owner, All's Clear Services*

Peter A. Nese *Retired*

Lisa Oberreiter *Process Scientist, PVSC*

Christopher Pabst *Asst. Projects Manager, Joint Meeting*

Essex & Union Co.

Dennis Palmer *Executive Director, Landis SA*

Henry Penley *Retired*

Donna Peteja *Laboratory Manager/IPP Coordinator*

Two Bridges Sewerage Authority

Frank Pestana *Executive Director, North Bergen*

Municipal Utilities Authority

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

Glen Riscen, *Ass't Operations Manager, Joint Meeting*

of Essex & Union Counties

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

Harry Smith *CSM, Certified Health and Safety Services*

John Schneekloth *P.E. Mott MacDonald*

Robert Sokolowski *Senior WEF Delegate*

Rick Stafford *Safety Manager Joint Meeting Essex*

& Union Co.

Jay Surti *Director Engineering Suez Water*

Bruce Smith *NJWEA Treasurer*

Harry Smith *President, Certified Health and Safety*

Charles Theodora *Ass't. Superintendent Bayshore*

Regional Sewerage Authority

John Tobia *P.E. Senior Project Manager CH2M HILL*

Ramon Vara *Retired*

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

Roman Wisniewski *Maintenance Manager Joint*

Meeting of Essex and Union Counties

Antoni Wyczasany *Electrical Forman Joint Meeting*

of Essex and Union Counties

N.J.W.E.A.
P.O. Box 737
Woodland Park NJ 07424