

**104<sup>th</sup>  
Annual  
Conference**

**AT  
BALLY's  
ATLANTIC CITY  
May 6 - May 10, 2019**

**104<sup>th</sup> John J. (Jack) Lagrosa  
Annual Conference and  
Exposition of the New Jersey  
Water Environment Association**

## Registration Instructions

### GENERAL INFORMATION

- Complete and mail entire registration form TWO PAGES – PARTS One and Two
- One form per person – photo copy this form for additional registrants or download from [www.njwea.org](http://www.njwea.org).
- Complete all information required on both form pages - PARTS One and Two
- Circle or mark with an X the appropriate fee for each registration choice.
- Total the amount due and submit the remittance fee along with the completed TWO PAGE registration form.
- Registration form must be accompanied by check, credit card number, or government purchase order.
- All payments, other than government purchase orders, must be received for deposit by the Registrar prior to May 3, 2019 or onsite Registration Rates will apply. Checks should be made payable to NJWEA in US Funds.
- Group (10 or more paid Registrants) Early Bird Registrations accepted thru March 30, 2019, contact the Registrar for details.
- All Pre-Conference Workshop and Full Conference, Non-Member/Renewals Registrations will receive One Year Active Membership in the NJWEA and WEF.
- PWO Members: Must be a hands-on operators in a STP or collection system to be eligible for PWO Membership

### REGISTRATION TYPES - BENEFITS:

- Full Conference
  - Attendance at Conference Sessions of your choice on Tuesday, Wednesday and Thursday, NOT INCLUDING PRE-CONFERENCE and SPECIALTY WORKSHOPS
  - Includes one Meet and Greet, one Grand Finale and one Closing Breakfast Ticket
  - Coffee Breaks and Exhibit Area Social Functions each day
  - Exhibit Area Sandwich Ticket on Tuesday, Wednesday and Thursday
  - Exhibit Area Raffle Drawings Each Day
- One Day Registration – Tuesday, Wednesday or Thursday
  - Attendance at Conference Sessions of your choice on the Registration Day, NOT INCLUDING PRE-CONFERENCE and SPECIALTY WORKSHOPS
  - Coffee Breaks and Exhibit Area Social Functions each day
  - Exhibit Area Lunch Ticket for the Registration Day
  - Exhibit Area Raffle Drawings for the Registration Day
- One Day Spouse Registration – Tuesday, Wednesday or Thursday
  - Admittance to the Exhibit Area on the Registration Day
  - Exhibit Area Sandwich Ticket on the Registration Day
  - Exhibit Area Raffle Drawings and Exhibit Area Social Functions for the Registration Day
  - All Spouse Events as listed in the accompanying brochure for the Registration Day
- Exhibit Only Registration, Full Conference or One Day Registrations
  - Applies to Retirees, Contractor, Regulatory Staff and Regular Registrant's Spouses.
  - Includes Admittance to the Exhibit Area on the Registration Days.
  - Coffee Breaks and Exhibit Area Social Functions each day
  - Exhibit Area Sandwich Ticket for the Registration Days
  - Exhibit Area Raffle Drawings for the Registration Days
  - Social Event Tickets are not included and must be purchased separately.

### PURCHASE ORDERS

- If an original signed purchased order is required please mail purchase order and registration form to the Registrar, DO NOT fax.
- Purchase orders are accepted from US, State and Local governmental agencies
- Purchase orders must be approved with all authorized signatures.
- Purchase order numbers must be referenced in the payment section of the registration form

### PRE-REGISTRATION DEADLINE

- Registration confirmations are not mailed to registrants.
- If registration confirmation is required, please contact the Registrar's office.
- Registrations Post Marked after April 27, 2019 or received at the NJWEA office after the close of business on May 3, 2019 will be processed at the on-site rates.
- Late registrants wishing to pay by check should use express mail, return receipt requested or by credit card using facsimile.

### CANCELLATIONS

- Cancellation must be in writing. No phone calls will be accepted.
- Absolutely no refunds will be made after this date.

### CREDENTIAL PICKUP & ONSITE REGISTRATION

- Pre-registration credentials pickup and on-site registration is located on the 6th Floor, Bally's Atlantic City, NJ. See brochure for Registration Hours.
- Onsite substitutes for One Day Registrants will be charged the Onsite Registration Rate
- No substitution for Full Conference Registrants will be permitted.

# REGISTRATION FORM – PART ONE

REGISTRANT NAME: \_\_\_\_\_ DATE: \_\_\_\_\_

## COURSE SELECTION AND INFORMATION FORM

### Pre-Conference & Specialty Workshops:

- Separate Fees are charged for each Pre-Conference/Specialty Workshop and for Conference Registrations
- Registration fees for Specialty Workshops are **NOT** included in Full Conference or One Day Conference Registrations.
- NOTE: Once registered you **MAY NOT** change sessions without prior approval of the Registrar.
- All Workshops include Coffee and Lunch Each Day
- Please check the sessions you plan to attend.
- Professional Engineers – See fifth bullet under “Conference Session” below regarding continuing education.

Session	Day	Start Time	End Time	Program Description	Planned Attendance
PC-1	Monday	8:00 AM	5:00 PM	GIS and Asset Management	_____
PC-2	Monday	8:30 AM	4:15 PM	AAEES Workshop (NY-NJ PE)	_____
PC-3	Monday	9:00 AM	4:00 PM	Stormwater Workshop (NY-NJ PE)	_____
PC-4	Monday	9:00 AM	4:00 PM	Drivers Safety Program	_____
PC-5	Monday	1:00 PM	4:00 PM	Engineering a Solution (NY-NJ PE)	_____
PC-6	Tuesday	7:00 AM	8:15 AM	AAEES/NJWEA Breakfast (NY-NJ PE)	_____
PC-7	Tuesday	8:30 AM	4:30 PM	8-Hour HAZWOPER Refresher	_____
PC-8	Tuesday	8:30 AM	5:00 PM	WEF Nutrient Removal Process Simulators (WEF Course Limited to the first 24 Registrants)	_____
PC-9	Tues - Thurs	9:00 AM	3:30 PM	PACP/MACP – Register Separately, See Page 17 for details	_____

### Conference Sessions:

- Session Attendance is included in Full Conference or One Day Conference Registrations.
- All Sessions include Coffee in the Exhibit Area Each Day
- Exhibit Area Lunch is provided on Tuesday, Wednesday and Thursday.
- NOTE: You **MAY** change sessions on site if registered for that day with prior approval of the Session Moderator.
- (NYPE or NJPE) Indicates that Session attendees who complete the Session will be awarded NYPE CPC Credit. For NJPE CPC Credit see Page 15 of this Flyer. Most courses also qualify for PA PE continuing education (see Page 15 of this Flyer).
- (JDOW) Indicates that the Session is a “John Downes Operator Workshop”
- Please check the sessions you plan to attend.

Session	Day	Start Time	End Time	Program Description	Planned Attendance
1	Tuesday	8:15 AM	1:45 PM	2019 Collection Managers Workshop (JDOW)	_____
2	Tuesday	8:30 AM	1:30 PM	Laboratory Workshop (JDOW)	_____
3	Tuesday	8:30 AM	1:30 PM	Wastewater Operators Program (JDOW)	_____
4	Tuesday	9:00AM	12:00 PM	Energy (NY-NJ PE)	_____
5	Tuesday	9:30 AM	4:30 PM	Air Pollution Presentation (NY-NJ PE)	_____
6	Tuesday	1:30 PM	4:30 PM	Resiliency (NY-NJ PE)	_____
7	Tuesday	1:30 PM	4:00 PM	Instructor’s Workshop	_____
8	Tuesday	2:00 PM	4:00 PM	Aeration Control & Pumps (Exhibit Area)	_____
9	Tuesday	2:00 PM	4:00 PM	Innovative Technology Forum (NY-NJ PE)	_____
10	Wednesday	8:30 AM	4:30 PM	Student Session	_____
11	Wednesday	9:00 AM	4:00 PM	Maintenance Workshop (JDOW)	_____
12	Wednesday	9:00 AM	12:00 PM	Plenary Session - 2019	_____
13	Wednesday	1:00 PM	4:00 PM	Professional Engineer’s Program (NY-NJ PE)	_____
14	Wednesday	1:00 PM	5:00 PM	Instrumentation and Controls (NY-NJ PE)	_____
15	Wednesday	4:30 PM	6:30 PM	Ethics Considerations for Engr’s. (NY-NJ PE)	_____
16	Wednesday	1:00 PM	5:00 PM	Industrial WW Mgmt. Workshop (NY-NJ PE)	_____
17	Wednesday	1:00 PM	5:00 PM	Issues of Emerging Concern (NY-NJ PE)	_____
18	Wednesday	2:15 PM	3:15 PM	Wastewater Processes & Chem Feed (Ex. Area)	_____
19	Thursday	8:00 AM	11:00 AM	CSOs: Finding Solutions Pt 1 (NY-NJ PE)	_____
20	Thursday	1:00 PM	4:00 PM	CSOs: Finding Solutions Pt 2 (NY-NJ PE)	_____
21	Thursday	8:15AM	2:00 PM	Safety Workshop (JDOW)	_____
22	Thursday	8:30 AM	4:00 PM	MABA/NJWEA Biosolids Session (NY-NJ PE)	_____
23	Thursday	9:00 AM	4:00 PM	Industrial Wastewater Oper. Workshop (JDOW)	_____
24	Thursday	9:00AM	11:00 PM	Nutrient Removal Part I (NY-NJ PE)	_____
25	Thursday	1:00 PM	4:00 PM	Nutrient Removal Part II (NY-NJ PE)	_____
26	Thursday	9:00 AM	3:00 PM	Collection Operators’ Workshop (JDOW)	_____
27	Thursday	11:30 AM	12:30 PM	Hoists and Cranes (Exhibit Area)	_____

A 25% charge for cancellations made prior to 05/01/19. Absolutely no refunds will be made after that date.

**Spouses get together for Coffee Wed and Thurs Morning – NJWEA Hospitality Room (9 a.m. to 10:30 a.m.)**

### MEET & GREET

Don't miss the Association's MEET & GREET PARTY on the 6<sup>th</sup> Floor at the Bally's Diamond Club at 7:00 p.m. to 10:00 p.m. on Tuesday night, May 7, 2019. It's always a great way to see your old friends and meet new ones. Attire is casual, New Jersey style. Either way, slow down your pace and relax at this year's Meet & Greet Party.

### THURSDAY NIGHT GRAND FINALE-AFTERGLOW RECEPTION

Join us at Bally's for a new tradition. The Annual Grand Finale and Afterglow Reception will be held Thursday evening, May 9, 2019 at 6:30 p.m. This year your Conference Committee invites you to a night of fine music and good food with good friends to socialize and enjoy a casual atmosphere while winding down from a successful conference. Following the fine fare and open bar of the cocktail reception, an Afterglow Social with desserts, coffees and fine digestifs will be offered in the connecting parlor. Throughout the evening, you'll be entertained by the musical renderings of a three-piece jazz ensemble.

**NOT ONE, NOT TWO, BUT MULTIPLE DRAWINGS FOR iPADS – MORE INFORMATION SEE BELOW.**

**All Full Registration and Thursday Only Registration Conference Attendees will receive a raffle ticket for the 11:20 a.m. iPad drawing in the Exhibit Hall. Must be present to win.**

### "THE INFLUENCE OF EFFLUENTS" Featuring your Host Rip Wind and Lovely Co-Host Clara Fire

The game show that tests your knowledge relating to the environmental impact of effluent discharge is back! The *Influence of Effluents* will take place in the Exhibit Area on Wednesday, May 8, 2019, at 3:30 PM. This is a shout out to Manufacturers' Representatives, Consulting Engineers, Contractors or anyone desiring to compete for the Golden Spade.

Our new format started in 2017 and allows a total of six contestants. Contact Chuck Royer, [CRoyer@daveheinerassoc.com](mailto:CRoyer@daveheinerassoc.com), to express your interest. The Victor will receive the 2019 Golden Shovel and bragging rights. All contestants will receive lovely parting gifts.

**Then there's the SLUDGE BOWL Karaoke at the Mountain Bar in Bally's Wild, Wild West Casino  
(see Page 18)**

**Wednesday, May 8, 2019 (9:00 p.m. to ???)**

### "NJWEA COLLEGE OF ENVIRONMENTAL KNOWLEDGE"

Visit the Exhibit Area on throughout the Conference. Come and test your knowledge of the 100-year history of the NJWEA. Winners will be entered into a raffle for an opportunity to win an iPad in a drawing that will take place in the Exhibit Hall on Thursday, May 9, 2019 at 11:30 a.m.

### CONFERENCE ACTIVITIES INCLUDE

#### THE CONFERENCE PROGRAM AND LOGISTICS WERE MADE POSSIBLE THROUGH THE EFFORTS OF THE FOLLOWING NJWEA COMMITTEES

##### COMMITTEE

##### CHAIRPERSON

Executive	Robert De Block
Awards	Rocco J. Maiellano
Biosolids	Mohammad Abu-Orf, PhD
Collection Systems	Louis C. Lambe
Conference Management	John J. Lagrosa
Education Advisory	Chris Hoffman, P.E.
GIS/Asset Management	Brian Brach, P.E.
Industrial Environmental Quality	John Schneekloth, P.E.
Information Mgmt. & Technology	James De Block
Laboratory	Christopher Nally
Membership	Lisa Oberreiter
Operations Challenge	Timothy Fisher
Professional Engineering	James Wancho, P.E.
Program	Michael J. Hope, P.E.
Publications	Gregory Burde
Public Education	Tom Meholic
Safety	Harry E. Smith, Jr.
Scholarships Awards	Peter Strom, Ph.D.
Site Remediation	Joseph Fallon & Peter Postorino
Young Professionals	Emily Zidanic

(LOOK INSIDE FOR THE FULL PROGRAM OF ACTIVITIES AND MORE DETAILS)

##### MONDAY, May 6

- Lunch in Diamond Club
- NJWEA President's Award Reception at 5:00 p.m.

##### TUESDAY, May 7

- AAES Breakfast with CEU's for PE's (See Page 19)
- Coffee Breaks/Raffle in Exhibit Areas
- Lunch in Exhibit Areas
- Afternoon Wine & Cheese Party in Exhibit Areas
- Meet and Greet at 7:00 p.m. in the Diamond Club

##### WEDNESDAY, May 8

- Prayer Breakfast (see Page 19)
- Coffee Breaks/Raffle in Exhibit Areas
- Lunch in Exhibit Areas
- Influence of Effluents (see above)
- Beef and Brew Reception in Exhibit Areas
- Sludge Bowl (see above and Page 18)

##### THURSDAY, May 9

- Coffee Breaks/Raffle in Exhibit Areas
- Exhibit Hall Reception
- NJWEA College of Environmental Knowledge (see above)
- Raffle in Exhibit Area
- Grand Finale (see above)

##### FRIDAY, May 10

- Breakfast Buffet - Raffle

**The 42<sup>nd</sup> Annual  
NJWEA "Golf Outing"**

Date: MONDAY May 6, 2019

Place: **BLUE HERON PINES GOLF CLUB**

550 Country Club Dr. Egg Harbor City, NJ

Tee Off: 9:00am Shotgun Start-Scramble Format

**Carts Mandatory & Included in Fee**

**Fee: \$115.00 per person**

***Includes:*** Greens Fees, Carts, Driving Range, and Barbecue Lunch following golf. Continental Breakfast at the golf course.

**Sponsorship**

Sponsorship of Tees and Greens will be \$100.00. Tournament sponsors will be \$150.00. Sponsorship will be assigned by order of receipt. **Contact Robert Genetelli at (201) 447-2660. (Chairman Golf Committee)**

All sponsors will be listed in the post conference "Effluents" magazine to provide maximum visibility to the sponsors.

**Donations**

Donations of door prizes and awards would be greatly appreciated. Contact Rob Genetelli at (201) 447-2660. Prizes will be awarded at lunch for the following:

- ☐ Team Prizes for 1<sup>st</sup> and 2<sup>nd</sup> Place
- ☐ Longest Drive
- ☐ Closest to the Pin

Please Reply By April 26, 2019

Room Reservations -888-516-2215-Identify-Group Code-SB05WE9-For Bally's or SCO5WE9-For Caesars Ask for NJWEA Group Rates

MAKE CHECKS PAYABLE TO **"NJWEA"** AND MAIL GOLF REGISTRATION TO:

**NWBCUA, c/o Robert Genetelli, 30 Wyckoff Avenue, P.O. Box 255, Waldwick, NJ 07463 - NJ Tax ID # 222-184-162**

**GOLF REGISTRATION FORM**

Name: \_\_\_\_\_ \$115.00 X \_\_\_\_\_ = \$ \_\_\_\_\_

Address: \_\_\_\_\_

Phone # (\_\_\_\_) \_\_\_\_\_

I would like to sponsor a \_\_\_\_\_ \$ \_\_\_\_\_

Names in your foursome: \_\_\_\_\_ Total \$ \_\_\_\_\_

\_\_\_\_\_

**NOTE: THERE WILL BE A \$5.00 SURCHARGE FOR USE OF CREDIT CARD.**

**THE JEANNE DECKER SLUDGE SHOVELERS BREAKFAST**

**SLUDGE SHOVELERS AND GOLDEN MANHOLE LUNCH MEMBERS REGISTRATION FORM**

**"MUST BE A MEMBER TO ATTEND" (OTHER STATE (MA) MEMBERS MAY REGISTER)**

I will attend (Paid Breakfast and or Lunch)

Sludge Shoveler's Breakfast – Thursday at 6:45 a.m.      \$27.00      NOTE: ADD \$3.00 FOR ONSITE TICKET  
PURCHASED FOR EACH EVENT

Golden Manhole Society Lunch – Tuesday at 12:00 noon      \$32.00

Name: \_\_\_\_\_ Phone # (\_\_\_\_) \_\_\_\_\_

Address: \_\_\_\_\_

Employer \_\_\_\_\_ Check # \_\_\_\_\_

\_\_\_\_ VISA      MASTERCARD      Exp. Date: \_\_\_\_\_ Card Number \_\_\_\_\_

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

MAKE CHECK PAYABLE TO **"NJWEA"** AND MAIL TO:

**Darlene Galbraith, Registrar NJWEA, P.O. Box 737, Woodland Park, NJ 07424**

**Phone (973)-239-9200 Fax (973) 239-9239**

**CANCELLATIONS**

Cancellations must be in writing. No phone calls will be accepted. A 25% charge for cancellations made prior to 4/30/19. Absolutely no refunds will be made after that date.

**On- Site REGISTRATION HOURS**

SUN. 2:00PM – 6:00 PM  
 MON. 7:30AM – 6:00 PM  
 TUES. 6:45AM – 5:00 PM  
 WED. 7:30AM – 4:00 PM  
 THUR. 7:30AM – 12:00 NOON

**EXHIBIT HOURS**

TUES. 9:00 AM - 5:30 PM  
 WED. 9:00 AM - 5:30 PM  
 THUR. 10:00 AM - 2:00 PM

**REGISTRATION COORDINATOR**

DARLENE GALBRAITH  
 OFFICE: (973) 239-9200  
 FAX: (973)239-9239  
 EMAIL: Dgalbraith@njwea.org

**NJWEA OFFICERS**

Robert J. De Block, President  
 John Reardon, Jr., President Elect  
 Jill Plesnarski, Vice President  
 Robert Sokolowski, Treasurer  
 John J. Lagrosa, Executive Director  
 James De Block, Deputy Exec. Director

**CONFERENCE MANAGER**

John J. Lagrosa - (973) 239-9200

**CONFERENCE VICE CHAIRS**

Henry Penley  
 Richard D. Eustace  
 Robert Sokolowski

**PROGRAM COMMITTEE**

Michael J. Hope, Chair  
 Francis J. Bonaccorso, Vice Chair

**INDUSTRIAL COMMITTEE**

John S. Schneckloth, PE, Chair

**LABORATORY COMMITTEE**

Christopher Nally, Chair

**COLLECTION COMMITTEE**

Louis C. Lambe, Chair

**OPERATIONS CHALLENGE**

Timothy Fisher, Chair  
 Katherine Collinge, Spring Fling Coordinator

**SITE REMEDIATION COMMITTEE CO-CHAIRS**

Joseph Fallon, REM  
 Peter Postorino

## ***The NJWEA 104<sup>th</sup> John J. (Jack) Lagrosa Annual Conference and Exposition Agenda at Bally's Atlantic City for May 2019 Includes Something for Everyone***

***"John Downes Workshops"*** for Wastewater, Collection, Maintenance, Industrial, Laboratory and Safety

***Professional Engineers*** - Certain courses include CPC Credits for NJ and NY PEs (look for NYPE or NJPE in the course description and see page 16 regarding NJ and NY PE CPC Credit). Most courses also qualify for PA PE CPC Credits (see page 16 of this Flyer for more information on PA PE CPC Credit).

***WEF Nutrient Removal Simulator Training, Stormwater Workshop, AAES Workshop, Air Pollution, HAZWOPER, Energy, Resiliency and much more.***

## **MONDAY, MAY 6, 2019**

### **2019 GIS and Asset Management Session - Certified Training in Asset Management (CTAM) 100 Course: Overview of Asset Management**

(8:00 a.m. to 5:00 p.m.) (TCH Hours: 7 W&WW)

NJDEP Course No. 03-031901-30

CPWM No. NJWEA-DLGS-1108 Tech. 7 Hrs.

NYPE 7; NJPE 7

Moderators: Brian J. Brach, PE, Executive Director, Manasquan River RSA  
 Stephen R. Blankenship, PE, Executive Director, Hamilton Township MUA

Instructor: Tom Iseley, PhD, PE, Dist. M. ASCE, PWAM, Assoc. Dir. Of Trenchless Technology Center Louisiana Tech. University

8:00 a.m. Meet and Greet, Welcome, Introductions and Course Overview

8:30 a.m. Introduction to Asset Management (Ch. 1) (Quiz)

9:15 a.m. Sharing Asset Management Knowledge on a Global Scale (Ch. 2) (Quiz)

10:00 a.m. BREAK

10:15 a.m. Asset Management Technologies (Ch. 5) (Quiz)

11:15 a.m. Risk Management (Ch. 4) (Quiz)

12:00 p.m. LUNCH

1:00 p.m. Government Regulations (Ch. 5) (Quiz)

2:00 p.m. Case Studies (Ch. 6) (Quiz)

3:00 p.m. BREAK

3:15 p.m. The Infrastructure Act (Quiz)  
 4:00 p.m. Current Resources for Developing an Asset Management Plan (Quiz)  
 4:45 p.m. Review, Questions and Answers

### **AAES WORKSHOP - Contaminants of Emerging Concern (CECs) Across the Water Cycle**

(8:30 a.m. to 4:15 p.m.) (TCH Hours: 6 W&WW)

NJDEP Course No. 03-031902-30

CPWM No. NJWEA-DLGS-1109 Tech. 6 Hrs.

NYPE 6; NJPE 6

*The American Academy of Environmental Engineers and Scientists (AAES) Workshop on Contaminants of Emerging Concern (CECs) Across the Water Cycle includes presentations that are at the forefront of the industry. CECs are the focus of a lot of research on treatment technologies; yet the targeted limits in groundwater, drinking water and wastewater effluent are not yet established in many states. This conference will present some new technologies to manage/treat CECs and some exciting case studies. We will have leaders from industry and academia who are on the forefront of the field. Topics include limitations on laboratory data, communication of risk from CECs, treatment technology assessment protocols, fate of contaminants through WWTPs, treatment technology case studies for PFAS/PFOA, 1-4 Dioxane and APIs, in addition to cutting edge treatment research from several Universities. Our Tuesday breakfast session will address the current progress and success of a local water and sewer utility's challenges with PFAS contamination. This workshop is intended both for specialists as well as for other environmental professionals interested in hearing from researchers and practitioners who*

*are advancing the state of the art. The audience may include representatives of regulated community such as municipalities and utility authorities, as well as environmental consultants, and equipment suppliers.*

Moderators: David A. Marabello, PE, BCEE, Principal Engineer, CDM Smith

David A. Vaccari, PhD, PE, BCEE, F.ASCE, Stevens Institute of Technology

Jay Surti, PE, Hazen and Sawyer

8:30 a.m. "Introduction, David A. Marabello, PE, BCEE, Principal Engineer, CDM Smith and David A. Vaccari, PhD, PE, BCEE, F.ASCE, Stevens Institute of Technology

8:45 a.m. "Communicating and Addressing Risks from PFAS and Other CECs in Potable Reuse," Dora Chiang, PhD, PE, CDM smith

9:15 a.m. "Limitation of PFAS Data and Recommendations to Obtain Appropriate Data for Environmental Decision Making," Nancy C. Rothman, PhD, new Environmental Horizons, Inc.

9:45 a.m. "What Treatment Technologies are Working for Active Pharmaceutical Ingredients," Joseph G. Cleary, PE, BCEE, Geosyntec Consultants

10:15 a.m. "A Standardized Protocol for Assessing the Biodegradability of Trace Organic Contaminants During Wastewater Treatment," Kelly Landry, Hazen and Sawyer

10:45 a.m. BREAK

11:00 a.m. "Research and Development, Demonstration and Validation of a PFAS Treatment Train," Nathan Hagelin, CG, LEP, BCES, Wood E&IS

11:30 a.m. "Development of Non-Thermal Plasma Application to the Removal of PFAS from Water," Chris Sales, PhD, Drexel University

12:00 p.m. LUNCH

1:00 p.m. "A Green and Practical Approach for Removing PFAS from Contaminated Environments," Yanna Liang, PhD, PE, BCEE, University at Albany, SUNY

1:30 p.m. "FEAMMOX Process for Biodegradation of PFAS," Peter Jaffe, PhD, Princeton University

2:00 p.m. "Ion Exchange Performance on the Removal of PFAS - the Effects of Resin Chemistry, Solution Chemistry and PFAS Characteristics," Erica R. McKenzie, PhD, Temple University

2:30 p.m. "Installation, Operation and Startup of World's First Regenerable Resin System for PFAS Removal," Steven Woodard, PhD, PE, ECT

3:00 p.m. BREAK

3:15 p.m. "The Fate, Transportation and Transformation of PFAS and Implications for WWTPs - A Case where 1 + 1 Does Not Equal 2," Michael Eberle, TRC Environmental Corporation

3:45 p.m. "Contaminants of Emerging Concern in Biosolids," Jay Surti, PE, Hazen and Sawyer

Alternate 1 "Separation or Destruction – The Practice and Development of PFAS Treatment and Remediation," Dora Chiang, PhD, PE, CDM Smith, Inc.

Alternate 2 "Optimized Treatment of 1,4-Dioxane in Extracted Groundwater and Reinjection for Aquifer Replenishment," Steven Woodard, PhD, PE, ECT

## **Stormwater Workshop**

(9:00 am. to 4:00 p.m.) (TCH Hours: 5.5 W&WW)

NJDEP Course No. 03-031903-20

CPWM No. NJWEA-DLGS-1110 Tech. 5.5 Hrs.

NYPE 4; NJPE 5

Moderators: Pilar Patterson, Program Manager, Kleinfelder  
Nicole Joy, Project Engineer, Kleinfelder

9:00 a.m. "Innovative Stormwater Solutions: Fresh Pond Drainage Improvements and Community Gardens," Brian J. Friedlich, PE, Project Manager, Kleinfelder and Erin L. Dovel, PE, Senior Staff Engineer, Kleinfelder

10:00 a.m. "Mitigating Flood Disaster through a Renewed Approach," Asad Choudry, Business Development Manager-Large Systems, Xylem Inc, Inc.

10:45 a.m. BREAK

11:00 a.m. "Designing in Accordance with Stormwater Management Rules," Peter DeMeo, Supervising Environmental engineer, NJDEP

12:00 p.m. LUNCH

1:00 p.m. "Municipal Stormwater: The MS4 Permit, Stormwater Facilities Mapping Application, Emerging Issues," Nancy Kempel, Section Chief, NJDEP

1:45 p.m. "Modeling Green Infrastructure in Paterson for Runoff Inputs Reductions and Long-Term Control Planning," Adrian Ang, Lead Water Resource Modeler, Boomi Environmental

2:30 p.m. BREAK

2:45 p.m. "Green Infrastructure Planning and Stormwater Utilities," Christopher C. Obropta, PhD, PE, Professor in Environmental Sciences, Rutgers University

3:30 p.m. "Industrial Stormwater Permitting Overview," Daniel Kuti, Environmental Specialist III, NJDEP

## **Driver Safety**

(9:00 am to 4:00 pm) (TCH Hours: 6 Safety)

NJDEP Course No. 03-020603-31

CPWM No. NJWEA-DLGS-276 Tech. 6 Hrs.

Instructor: Harry E. Smith III, CSM, President of Certified Health and Safety Services, LLC

A comprehensive and interactive six hour course that outlines the offensive and defensive driving attitudes we experience each day. The good, the bad, and the ugly. Participants will be eligible for a 5% or \$50.00 insurance premium reduction for three years (NJ State Law). Also, for those who need it, we can deduct two points off your NJ Driver's License.

(Unfortunately we can't bank the point reduction, it's a onetime deal that we can do only once every three years.)



## **Engineering a Solution**

(1:00 p.m. to 4:00 p.m.) (TCH Hours: 3.0 WW)

NJDEP Course No. 03-031904-20

CPWM No. NJWEA-DLGS-1111 Tech. 3 Hrs.

NYPE 3; NJPE 3

Moderators: Joseph Polomene, PE, Associate, Sherwood-Logan & Associates  
Roseann Pettrow, Sales Associate, Dave Heiner Associates, Inc.

- 1:00 p.m. "Low Pressure Sanitary Sewer Systems: Cost Effective Solution to Replace Failing Septic Systems," David Klemm, PE, BCEE, Vice President, Mott MacDonald
- 1:45 p.m. "Design and Construction of the New Jersey Turnpike Authority Central Services Facility Wastewater System", Joseph Livingston, Project Manager, New Jersey Turnpike Authority
- 2:30 p.m. "Advanced Biological Nutrient Recovery for Tightening Nutrient Regulations," Brian Richici, Sales Executive, Clearas Water Recovery
- 3:15 p.m. "Moving Bed or Fixed Bed BioFilm Reactors," Larry Li, Product Line Manager, Brentwood Industries

## **NJWEA President's Award Reception**

(5:00 p.m.)

# **TUESDAY, MAY 7, 2019**

## **AAEES/NJWEA Wesley Eckenfelder Memorial Breakfast**

(7:00 a.m. to 8:15 a.m.) (TCH Hours: 1 W&WW)

NJDEP Course No. 03-031905-30

CPWM No. NJWEA-DLGS- 1112 Tech. 1 Hr.

- 7:00 a.m. "Horsham Water and Sewer Authority's Experience with PFAS Contamination – Making "Unwell Waters" Well Again," Michael J. Pickel, PE, Horsham Water and Sewer Authority

## **2019 Collection System Manager's Workshop**

(8:15 a.m. to 1:45 p.m.) (TCH Hours: 4.0 WW)

NJDEP No. 03-031906-20

CPWM No. NJWEA-DLGS-1113 Tech. 4 Hrs.

NYPE 3; NJPE 3

Moderators: Louis C. Lambe, IPP/GIS Engineer, PVSC  
William T. Suchodolski, PE, Engineering Manager, Ocean County Utilities Authority

- 8:00 a.m. L. Ceren Aralp, PE, ENV-SP, Mott MacDonald  
Introduction to Program and Collection System Committee Updates
- 8:15 a.m. "The Benefits and Challenges of Trenchless Rehabilitation in Highly Urbanized Settings," Brian Shiels, PE, Mott MacDonald
- 8:45 a.m. "Hydraulics of Pressure Sewer Systems," Keith J. McHale, PE, Environment One Corporation
- 9:15 a.m. "Avoiding Scattered Results by Using Scattergraphs," Matthew Brown, ADS Environmental

- 9:45 a.m. "Upgrade Your Sewer Inspection Before You Upgrade Your Sewer," Kyle Gourley, PE, Mott MacDonald and Kevin O'Sullivan, Kearny MUA
- 10:15 a.m. "Emergency Repair of 24-Inch and 20-Inch PCCC Force Mains," William T. Suchodolski, PE, Ocean County Utilities Authority
- 10:45 a.m. BREAK / EXHIBIT AREA
- 12:45 p.m. "Evaluation and Replacement of Force Mains on an Emergency Basis," Peter Kocsik, PE, Mott MacDonald and Nicholas Brown, PE, Mott MacDonald
- 1:45 p.m. CERTIFICATE DISTRIBUTION

## **Fundamentals of the Nutrient Removal Operation and Troubleshooting Using Process Simulators - ONLY 24 ATTENDEES WILL BE ACCEPTED ON A FIRST-COME, FIRST-SERVE BASIS**

(8:30 a.m. - 5:00 p.m.) (TCH Hours: 6 WW)

NJDEP Course No. 03-031931-20

CPWM No. NJWEA-DLGS-1138 Tech. 6 Hrs.

NYPE 6; NJPE 6

Instructors: Malcolm E. Fabiyi, Ph.D., C.O.O. and Vice President of Operations, Drylet, LLC  
James Borton, Senior Operations Specialist, Jacobs

As the current utility workforce ages, new training techniques are needed as we transition to the next generation of engineering and operations professionals. Toward that goal, WEF and the process engineering software company Hydromantis have partnered to develop a simulator-based process training program as part of the WEFTEC Operations Challenge. This software has evolved into a versatile and effective training platform for wastewater professionals. The proposed workshop will combine a lecture on fundamental nutrient removal concepts with the hands-on use of a process simulator to "drive home" concepts and the interrelationships of the various unit processes.

This workshop will cover the fundamental concepts of operating an activated sludge plant to achieve nitrogen and phosphorus removal via a combination of lecture materials and hands-on use of a process simulator. The proposed program includes a series of modules with each covering a fundamental concept of biological treatment or nutrient removal that will then be followed up with attendees being led through a series of simulations to demonstrate how the concept is applied to a plant layout. State-of-the-art software SimuWorks™ used in the class is based on the program, GPS-X, developed by Hydromantis. This program is commonly used for treatment process evaluation and design but has been enhanced to serve as a platform for plant O&M manuals and operator training. This software is the basis for the simulator event included in WEFTEC Operations Challenge. Each attendee will be provided with a computer to use for simulations through the course of the program day.

Fundamental aspects of activated sludge treatment will be included with a primary focus on nitrification, denitrification, enhanced biological phosphorus removal (EBPR), and chemical phosphorus removal. A variety of activated sludge nitrogen removal, phosphorus removal, and combined nutrient removal system configurations will be presented and used in simulations including two-stage (MLE and A/O), three stage (A2O), four-stage and five-stage layouts.

After the training modules have been covered, the attendees will be presented with a series of simulator-based operational problems to troubleshoot and solve on their own with guidance from the instructors, if necessary. The program's "final exam" will consist of the simulator portion of the WEFTEC Operations Challenge Process Control Event.

## **8-Hour HAZWOPER Refresher**

(8:30 a.m. to 4:30 p.m.) (TCH Hours: 8.0 Safety)

NJDEP No. 03-031908-20

CPWM No. NJWEA-DLGS-105 Tech. 8 Hrs.

Moderators: David Grupp, The Linde Group  
Tom Greci, ECM, Inc.

Instructors: David Grupp, The Linde Group  
Ed Goode, AWT Environmental Services, Inc.

### **CONTINENTAL BREAKFAST**

Morning Session:

Course/OSHA HAZWOPER Overview

"What's New with OSHA/HAZWOPER?"

Types of Hazards, Exposure Criteria

Chemical Hazard Evaluation

Personal Protective Equipment & Decon

Working Lunch: Spill Response

Afternoon Session:

Backhoe Safety

Air Monitoring Instrumentation

Respiratory Protection

DOT HazMat Shipping Overview

Heat/Cold Stress

Health & Safety Review/Quiz

Respirator Fit Testing

## **Air Pollution - Greenhouse Gas**

### **Presentations**

(9:30 a.m. to 4:30 p.m.) (TCH Hours: 5.5 WW)

NJDEP Course No. 03-031910-20

CPWM No. NJWEA-DLGS- 1117 Tech. 5.5 Hrs.

NYPE 5; NJPE 5

Moderator: Richard Erickson, Marketing Area Director, First Environment

9:30 a.m. "Emergency Generators NSPS and MACT Regulations and the USEPA Certificate of Conformity," Rich Cestone, PE, CHMM, Remington & Vernick Engineers

10:20 a.m. BREAK

10:30 a.m. "Sea Level Rise and Coastal Flood Risk: Tools & Analysis - Potential Impacts on Municipal Wastewater Authorities - A Quick Case Study," Dan Rizza, Climate Central and Richard Erickson, First Environment

11:30 a.m. "Air Compliance Matters," Tiffany Medley, PhD, Cornerstone Environmental Group

12:00 p.m. LUNCH

1:00 p.m. "Generate Revenue through Renewable Fuel Programs Using Your WWTP's Biodigester Gas," Luca Nencetti, First Environment

1:55 p.m. "Innovative Carbon and Nutrient Recovery at WRRFs Using Microalgae," Ed Weinberg, President, ESSRE Consulting, Inc.

2:45 p.m. BREAK

2:55 p.m. "Mattabassett Experience - The First New Fluid Bed Municipal Sludge Incinerator in the US Meeting the New MACT LLLL Emission Limits," Levant Takmaz, PhD, Suez

## **Pipeline Assessment & Certification**

### **Program - Day 1**

(9:00 a.m. - 3:30 p.m., See Page 17)

### **Laboratory Workshop**

(8:30 a.m. to 1:30 p.m.) (TCH Hours: 4 W&WW)

NJDEP No. 03-031907-30

CPWM No. NJWEA-DLGS-1114 Tech. 2.5; Gov. 1.5 Hrs

LabModerators: Christopher Nally, President, American Aquatic Testing, Inc.

Jennifer Marques, Laboratory Director, Passaic Valley Sewerage Commission

8:30 a.m. Opening Remarks

8:45 a.m. "NJDEP Regulatory Update," Deb Waller, Research Scientist I, NJDEP Office of Quality Assurance

10:00 a.m. "Lab Safety and the Changes to Hazard Communication," Howard Spencer, Senior Risk Control Consultant, J.A. Montgomery

10:50 a.m. "WEF Update," Jennifer Loudon, Laboratory Manager, Raritan Township Municipal Utilities Authority

11:00 a.m. BREAK

11:15 a.m. "New Method Detection Limit Procedure," Deb Waller, Research Scientist I, NJDEP - Office of Quality Assurance

11:45 a.m. "Ethics and Data Integrity," Gary Yakub, CQA, Senior Chemist/Project Manager, Environmental Standards

12:40 p.m. "Safeguarding Laboratories Against Power Outages," Richard Palluzi, Consultant, Richard Palluzi, LLC

1:30 p.m. SESSION ENDS

## **Wastewater Treatment Operator's**

### **Program - Spring 2019**

(8:30 a.m. to 1:30 p.m.) (TCH Hours: 4 WW)

NJDEP No. 03-031908-20

CPWM No. NJWEA-DLGS-1115 Tech. 4 Hrs.

Moderators: Christopher Manak, Superintendent, Madison-Chatham Joint Meeting  
Jeffrey Williams, Superintendent, Linden Roselle Sewer Authority  
Srinivas D. Gidugu, PE, HAKS

8:30 a.m. "Asset Management in New Jersey - Current Status," Felipe S. Contreras, PE, Principal Engineer, Kleinfelder

9:00 a.m. "Scum System Automation," Eloise Gibby, Civil Engineer, Greeley and Hansen LLC

9:30 a.m. "Wipe Out the Wipes Crisis," Joseph Clark, Eastern Regional Sales Manager, JWC Environmental

10:00 a.m. BREAK

11:00 a.m. "Take a Little More Off the Top: How a California-Based Vegetable Producer Optimized Their Carrot Plant Using a Small-Footprint Primary Rotating Belt Filter," C.J. Strain, Manager of R&D/Product Manager, Nexom

11:30 a.m. "Polymer Selection/Phosphorus Remediation," Stuart Siegele, President Atlantic Coast Polymers, Inc.

12:00 p.m. "Food Waste to Energy - Landis Project Update," Gerry Savidge, Director of Prodex, JSH International

- 12:30 p.m. "Basic Concepts of Chemical Feed," Phil Dann, Sales Engineer, Lutz Jesco America Corp.
- 1:00 p.m. "What's Permitted in the Rain? Everything! Stormwater Permitting and your WWTs," Erin Dovel, PE, Staff Engineer, Kleinfelder

## **Energy**

(9:00 a.m. to 12:00 p.m.) (TCH Hours: 3 WW)

NJDEP Course No. 03-031909-20

CPWM No. NJWEA-DLGS- 1116 Tech. 3 Hrs.

NYPE 3; NJPE 3

- Moderator: Dan Eagan, PE, Division Manager - Industrial, Valiant Power Group  
Gary Grey, Sr., Professional Associate – Wastewater Specialist, HDR
- 9:00 a.m. "Renewable Energy Opportunities in Wastewater Treatment," Joseph Marino, Project Manager, Greeley and Hansen LLC
- 9:30 a.m. "Membrane Aerated Biofilm Reactors – An Innovative Solution for Nutrient Removal with Significant Energy Savings," Amit Kaldate, PhD, Domain Leader, Suez Water Technologies and Solutions and Jeff Peeters, PE, Suez Water Technologies and Solutions
- 10:00 a.m. "Arc Flash Safety - History, Current Standards and Current Technologies," William Thompson, Lead Electrical Sales Engineer, Eaton Corporation
- 10:30 a.m. "Decoupling Aeration from Mixing Achieves 70T Energy Savings in Aerobic Digestion," David Mullins, Director of Regional Sales, EnviroMix, Inc.
- 11:00 a.m. "Motor Control Centers – Keep it Simple," C. Schuyler Morehouse, PE, President, Morehouse Engineering, Inc.
- 11:30 a.m. "Improving Energy Efficiency in Existing Facilities," Jeffrey J. Donaldson, PE, Electrical Engineer, CDM Smith

## **Resiliency**

(1:30 p.m. to 4:30 p.m.) (TCH Hours: 3 WW)

NJDEP No. 03-031911-20

CPWM No. NJWEA-DLGS-1118 Tech. 3 Hrs.

NYPE 3; NJPE 3

- Moderator: Gary Grey, Sr., Professional Associate, HDR  
Dan Eagan, PE, Industrial Division Manager, Valiant Power Group, Inc.
- 1:30 p.m. "CHP and Solar Systems in Wastewater Treatment," Joseph Marino, PE, Greeley and Hansen LLC and Marcus Mathieson, Civil Engineer, Greeley and Hansen LLC
- 2:00 p.m. "Dealing with Both Peaks and Valleys – Pump Station Upgrade Design," Kevin O'Brien, PE, Mott MacDonald
- 2:30 p.m. "Rebuild by Design: Hudson River," Colby Seibert, PE, AECOM

- 3:00 p.m. "Flood Risk Reduction in Coastal Urban Settings – NYC Marine Transfer Stations, A Case Study," Michael Vecchio, PE, HDR, Inc.
- 3:45 p.m. "CSO Control Planning Below Sea Level Requires an Integrated Approach," William McMillin, PE, Jacobs

## **Instructors' Workshop**

(1:30 p.m. to 4:00 p.m.)

Moderators: Joseph Bonaccorso, NJDEP Advisory Committee  
Christian Hoffman, Operator Licensing Board, NJDEP

## **Exhibit Area Presentation - Aeration**

### **Control and Pumps**

(2:00 p.m. to 4:00 p.m.) (TCH Hours: 2 W&WW)

NJDEP 03-031912-30

CPWM No. NJWEA-DLGS-1119 Tech.: 2 Hrs.

- Moderators: John A. Mele, Regional Manager, Hobas Pipe USA  
John Corkery, Municipal Sales Manager, Pumping Services, Inc. / PSI Process & Equipment
- 2:00 p.m. "Effective Ammonia Based Aeration Control is Possible Using On-Line Colorimetry with Innovative In-Situ Disposal Filter," Tony Freed, Regional Manager, ASA Analytics
- 2:30 p.m. "Dry-Installed Submersible Pumps vs. Traditional Dry-Pit Pumps," John Corkery, Municipal Sales Manager, Pumping Services, Inc. / PSI Process & Equipment
- 3:00 p.m. "A Pumping Solution for All Conditions," Denis Rehse, Sales Engineer, Pumping Services, Inc. / PSI Process & Equipment
- 3:30 p.m. "Pump Talk for Operators – Pump Station Design and Terminology," Sean Paratore, Application Engineer, Pumping Services, Inc. / PSI Process & Equipment

## **Innovative Technology Forum**

(2:00 p.m. to 4:00 p.m.) (TCH Hours: 2 WW)

NJDEP No. 03-031913-20

CPWM No. NJWEA-DLGS-1120 Tech. 2 Hrs.

NYPE 2; NJPE 2

- Moderators: Stephen Rozewski, President, Metro NY Environmental LLC  
John Gardner, De Block Environmental
- 2:00 p.m. "Proven Technology for Satellite and Multi-Function Auxiliary Treatment at CSOs and SSOs," Mark Boner, Applications Engineer, WesTech Engineering, Inc.
- 3:00 p.m. "Performance Testing Existing Belt Filter Presses at the Middletown Sewerage Authority," Brian Rischman, Staff Engineer, Township of Middletown Sewerage Authority

# WEDNESDAY, MAY 8, 2019

## **The 34<sup>th</sup> Annual Peter A. Nese Prayer Breakfast**

(7:15 a.m. to 8:30 a.m.) (See Page 19 for more information)

7:15 a.m. "To Make a Difference," Rich Taylor, Rapid Pump and Meter Service Co.

## **Student Session**

(8:30 a.m. to 4:30 p.m.)

Moderators: Steve Yergeau, PhD, County Agent, Rutgers Cooperative Extension  
Emily Zidanic, Wastewater Program Engineer, CMCMUA

8:30 a.m. Student and YP Meet and Greet, Coffee and Danish

9:00 a.m. NJWEA Update, Robert De Block, NJWEA President

9:15 a.m. Federation Address, Mark Poling, 2018-2019 WEF Trustee

9:30 a.m. Student Scholarship Awards Program, Peter Strom, PhD, Rutgers University and Steven Yergeau, PhD, Rutgers Cooperative Extension

10:00 a.m. Plenary Session and Keynote Speaker  
Student Design Competition, Welcome and Introduction, Megan Livak, Manager, Association Engagement - Students and Professionals, WEF Scavenger Hunt, Steve Yergeau, PhD, County Agent, Rutgers Cooperative Extension and Emily Zidanic, Wastewater Program Engineer, CMCMUA

10:15 a.m. Student Design Competition Presentations, Emily Zidanic, Wastewater program Engineer, CMCMUA

12:00 p.m. Poster Session Set-Up / Exhibit Hall Tour

12:30 p.m. Poster Session Judging

2:00 p.m. Student/YP Program Session Welcome, Stevi Hunt-Cottrell, Manager of Public Communications, WEF

2:15 p.m. Student Design Competition Awards, Emily Zidanic, Wastewater Program Engineer, CMCMUA

2:30 p.m. NJWEA Water Resources Awards for five regional high school science fairs, plaques and cash awards. Science fair entrants capable of entering the WEF Stockholm Junior Water Prize Competition. The NJ State Winner will be named and sent to the annual national competition, Tom Meholic, NJWEA Public Education Committee Chair, WEF/SJWP: NJ State Organizer

3:00 p.m. Poster Competition Awards, Steven Yergeau, PhD, County Agent, Rutgers Cooperative Extension and Peter Strom, PhD, Rutgers University

3:15 p.m. CLOSING REMARKS, Steven Yergeau, PhD, County Agent, Rutgers Cooperative Extension and Emily Zidanic, Wastewater Program Engineer, CMCMUA

3:30 p.m. Student and Young Professionals Reception

## **Pipeline Assessment & Certification Program - Day 2**

(9:00 a.m. - 3:30 p.m., See Page 17)

## **Maintenance Workshop**

(9:00 a.m. to 4:00 p.m.) (TCH Hours: 5 W&WW)

NJDEP No. 03-031914-30

CPWM No. NJWEA-DLGS-1121 Tech. 5 Hrs.

Moderators: Roman Wisniewski, Maintenance Manager, JMEUC  
Francis Bonaccorso, Assistant Superintendent, JMEUC

9:00 a.m. "Struvite and Vivianite Prevention and Removal," Entienne Grignard, Technical Director, Grignard Company, LLC and Grishma Desai, Research and Development Specialist, Grignard Company, LLC

9:45 a.m. "Test Now, Save Later, How Monitoring and Periodic PM Will Provide Energy Savings," Robert Wimmer, Senior Engineer, Energy Systems Group

10:30 a.m. "Hands on Trainers," Supporting Your Workforce," Al Nolan, Sales Engineer, Festo Didactic

11:15 a.m. "Smart Building Solutions," Helmut Castro, Sales Engineer, DisTech/ABS Automated Building Solutions

12:00 p.m. BREAK

2:00 p.m. "Selection, Operation and Maintenance of Dry Chemical Feeders and Polymer Blending Equipment," Joseph Krudys, Sales Manager, Acrison, Inc.

2:40 p.m. "Introduction to Blowers," Ted Leczcynski, Sales, Excelsior Blowers Systems, Inc.

3:20 p.m. "Is Battery Storage Right for Your Facility?," Robert Magyar, Managing Director, Navitus Strategies

## **Plenary Session - 2019**

(9:00 a.m. to 12:00 a.m.) (TCH Hours: 2 W & WW)

NJDEP No. 03-031915-30

CPWM No. NJWEA-DLGS-1122 Gov. 2 Hrs.

Moderators: Robert J. De Block, NJWEA President  
Thomas Amidon, Manager of Water Resource Monitoring, DRBC

9:00 a.m. NJWEA Update, Robert J. De Block, NJWEA President

9:15 a.m. Federation Address, Mark Poling, 2018-2019 WEF Trustee

9:30 a.m. "Student Scholarship Awards Program," Peter Strom, PhD, NJWEA Scholarship Committee Chair, Dept. of Environmental Sciences, Rutgers University and Steven Yergeau, PhD

## **Regulatory Keynotes**

10:00 a.m. Peter D. Lopez, Regional Administrator, USEPA Region 2

10:30 a.m. Steven Tambini, Executive Director, Delaware River Basin Commission

11:00 a.m. Catherine R. McCabe, Commissioner, NJDEP

11:30 a.m. Q&A Session – People who have questions for Commissioner McCabe, Executive Director Tambini or Regional Administrator Lopez are encouraged to contact Tom Amidon ([Thomas.Amidon@drbc.gov](mailto:Thomas.Amidon@drbc.gov)) to reserve the opportunity to ask it or to have it asked anonymously during the Q&A session.

## **Professional Engineer's Program**

(1:00 p.m. to 4:00 p.m.) (TCH Hours: 3 WW)

NJDEP No. 03-031916-30

CPWM No. NJWEA-DLGS-1123 Tech. 3 Hrs.

NYPE 3; NJPE 3

Moderators: Manuel Ponte, PE, Principal Engineer, R3M Engineering Inc.

Thomas A. Laustsen, PE, BCEE, Associate, CDM Smith

Colin Ferguson, PE, Principal Engineer, Kleinfelder

1:00 p.m. "PFAS in Biosolids, What Does this Mean for Municipalities," Eric M. Spargimino, PE, CDM Smith

1:30 p.m. "Upgrading a Leaky Aeration System," Kevin O'Brien, PE, Senior Project engineer, Mott Macdonald

2:00 p.m. "A Unique Approach to a Traditional Design-Bid-Build Project," Sherwin Ulep, PE, Facility Engineer, Somerset Raritan Valley Sewerage Authority, Ronald Anastasio, PE, Executive Director, Somerset Raritan Valley Sewerage Authority and Baris Kaymak, PhD, PE, CDM Smith

2:30 p.m. "Innovative Sludge Conditioning system at the Two Rivers Water Reclamation Authority's WPCP," Michael Gianforte, PE, Executive Director, Two Rivers Water Reclamation Authority

3:00 p.m. "Tarrytown Force Main Replacement," James Hickey, PE, Senior Associate, Hazen and Sawyer

3:30 p.m. "Innovative Construction Methods for Delivering a 28 MGD Pumping Station in 14 Months," Anthony Elberti, PE, Gannett Fleming

## **Instrumentation and Controls Session**

(1:00 p.m. to 5:00 p.m.) (TCH Hours: 4 W&WW)

NJDEP No. 03-031917-30

CPWM No. NJWEA-DLGS-1124 Tech. 4 Hrs.

NYPE 4; NJPE 4

Moderator: Michael A. Roy, PE, Authority Engineer, Old Bridge MUA

1:00 p.m. "Bio-Electromechanical Sensor for Influent Wastewater Quality Monitoring," Jack Ambler, PE, VP of Engineering, Island Water Technologies, Inc.

2:00 P.M. "Intelligent Energy Optimized Wastewater Pump Control Solutions," Russell Weiss, Vice President – Industrial Division, H2Flow Controls, Inc.

3:00 p.m. "A SCADA 2.0 Project Case Study – Preparing for the Refresh – Where do you begin?," Susan Arpa, IT Director, Cape May County Municipal Utilities Authority and Rich Tyndall, IT Infrastructure Architect, Cape May County Municipal Utilities Authority

4:00 p.m. "Mission Possible – Developing the PVSC Radio Network," Louis Lambe, Engineer, Passaic Valley Sewerage Commission and Paul Cavanagh, PE, Senior Engineer, Passaic Valley Sewerage Commission

## **Industrial Wastewater Management**

### **Session**

(1:00 p.m. to 5:00 p.m.) (TCH Hours: 4 WW)

NJDEP No. 03-031919-20

CPWM No. NJWEA-DLGS-1126 Tech. 4 Hrs.

NYPE 4; NJPE 4

Moderators: John Schneekloth, PE, Vice President, Mott MacDonald

William Guarini, Director-Industrial Products, Kusters Water

1:00 p.m. "Regulatory Update," Virginia Wong, Chief, NPDES Section, Clean Water Division, U.S. EPA Region 2

1:30 p.m. "Squeezing the Most Out of Your Decision: A Suppliers Unbiased Approach for Selection of Dewatering Equipment," Shaun Hurst, Process Engineer, Andritz

2:00 p.m. "Case Study: Disposal Challenges with Arsenic-Laden Liquids," Rohan Menon, Director of Environmental Protection, Waste Management

2:30 p.m. "Removal of PFAS Compounds," Arna Ramic, ResinTech Inc.

3:00 p.m. "Using a Combination of Membrane Filtration and Biological Treatment to Process High Strength Waste from a Metal Working Chemical Manufacturer," Thomas Doherty, Founder/CEO, Dynatec Systems, Inc.

3:45 p.m. "Microbial Electrochemical Technologies for Wastewater Treatment and Resource Recovery," Zhiyong Jason Ren, Professor, Princeton University

4:30 p.m. "Ion Exchange: Unintended Consequences," Peter Meyers, Technical Director, ResinTech Inc.

5:00 p.m. SESSION ENDS

## **Issues of Emerging Concern**

(1:00 p.m. to 5:00 p.m.) (TCH Hours: 4 WW)

NJDEP No. 03-031920-20

CPWM No. NJWEA-DLGS-1127 Tech. 4 Hrs.

NYPE 4; NJPE 4

Moderators: Adam Minichelli, PE, Project Manager, Greeley and Hansen LLC

Gary Lohse, PE, Technical Manager-Disinfection, DeNora Water Technologies, Inc.

1:00 p.m. "Comparing Approaches to the Hydrological Reconstruction of Urban Landscapes," Todd Moses, Senior Restoration Specialist/Geomorphologist, Skelly and Loy, Inc. and Michael E. Lower, PE, Assistance Vice President of Engineering, Skelly and Loy, Inc.

2:00 p.m. "Effects of Deicing Salts on Soil Permeability and Soil Water Chemistry," Shirley Clark, Professor of Environmental Engineering, Penn State Harrisburg

3:00 p.m. "Evaluation of the Water Quality Impacts of the Hydrothermal Processing of Select Organic Waste Feedstocks," Sarah K. Bauer, PhD, Assistant Professor, Faculty Advisor, Society of Women Engineers, Department of Civil and Environmental Engineering, Henry M. Rowan College of Engineering, Rowan Engineering

- 3:30 p.m. "A Drive Down Odor Lane," Hanting Wang, Civil Engineer, Greeley and Hansen LLC and Brian Brach, Executive Director, Manasquan River Regional Sewerage Authority
- 4:00 p.m. "PFAS in Surface Water, Sediment and fish from the Delaware River," Ronald MacGillivray, PhD, Senior Environmental Toxicologist, Delaware River Basin Commission
- 4:30 p.m. "Cost-Effective Mechanisms for Marine Debris Collection," Thomas Gregory Sprehe, PE, BCEE, Senior Vice President, Director of Innovation and Technology, KCI Technologies, Inc.

### **Exhibit Area Presentation - Wastewater Processes and Chemical Feed**

(2:15 p.m. to 3:15 p.m.) (TCH Hours: 1 WW)

NJDEP No. 03-031921-20

CPWM No. NJWEA-DLGS-1128 Tech. 1 Hr.

Moderators: Jeff Heiner, Dave Heiner Associates, Inc.  
Roseann Pettrow, Sr. Sales Representative, Dave Heiner Associates, Inc.

2:15 p.m. "Fundamentals of Wastewater Processes," Chuck Royer, Dave Heiner Associates, Inc.

2:45 p.m. "Fundamentals of Chemical Feed," Chuck Royer, Dave Heiner Associates, Inc.

### **Influence of Effluents - Exhibit Area**

(3:30 p.m. to 4:00 p.m.) See Page 4 for more information

### **Ethics Considerations for Engineers**

(4:30 p.m. to 6:30 p.m.) (TCH Hours: 2 W&WW)

NJDEP No. 03-031918-30

CPWM No. NJWEA-DLGS-1125 Ethics 2 Hrs.

NYPE 2; NJPE 2

Moderator: Manual Ponte, PE, Principal Engineer, R3M Engineering, Inc.

Instructor: Michael D. Witt, Esquire, Passaic Valley Sewerage Commission

Whether employed directly by a public entity or through a firm that provides engineering services to one local government, engineers must be aware of ethical issues that can affect both the individual and the client. This seminar will explore the local government ethics law covering engineers and tips and strategies for complying with that law. Covered topics will include:

- Standards of Conduct
  - Improper Benefits
  - Financial Disclosure
  - Conflicts of Interest
  - Official Misconduct
  - Penalties for Violations
  - Determining when a Conflict Exists
- and more...!

### **Sludge Bowl Karaoke at the Mountain Bar in Bally's Wild, Wild West Casino (see Page 18)**

(9:00 p.m. to ???)

## **THURSDAY, MAY 9, 2019**

### **CSOs: Finding Solutions for a Successful LTCP**

Part I: NJDEP No. 03-031922-20 (TCH Hours: 3 WW)

CPWM No. NJWEA-DLGS-1129 Tech. 3 Hrs.

NYPE 2; NJPE 3

Part II: NJDEP No. 03-031923-20 (TCH Hours: 3 WW)

CPWM No. NJWEA-DLGS-1130 Tech. 3 Hrs.

NYPE 3; NJPE 3

(PART I: 8:00 a.m. to 11:00 a.m.)

Moderators: William E. McMillin, Jr., PE, D.WRE, Jacobs  
Marques Eley, PE, Senior Engineer, Passaic Valley Sewerage Commission

8:00 a.m. "NJ CSO Program Update," Joseph Mannick and Susan Rosenwinkel, New Jersey Department of Environmental Protection

8:30 a.m. "Maximizing CSO Capture at an Existing Pumping Facility," Cindy Huang, CDM Smith, Steve Dowhan, Joint Meeting of Essex and Union Counties, Anthony Gagliostro, Mott MacDonald, Dan Loomis, City of Elizabeth and Edward Burgess, PE, D. WRE, CDM Smith

9:00 a.m. "Tideway: The Way to Plan, Permit, Design, Procure and Construct a Deep CSO Control Tunnel Under London, UK," David Crawford, CEng, PE and Amanda Hon, Jacobs, London, UK and Sian Thomas, Tideway, London, UK

9:30 a.m. "Internet of Things Technology Provides New Collection System Knowledge Driving Improved Operations and Asset Planning," Peter Frick, ADS Environmental

10:00 a.m. "Coordinated Sewershed Controls for LTCP Alternatives Analysis," Steven Shiffer, PE and Dayton Marchese, OptiRTC

10:30 a.m. "Desktop, Planning-Level Feasibility Study of Green Infrastructure in a Combined Sewer System," Kirk Barrett, PE and John Denning, CFM, PE, Mott MacDonald

(PART II: 1:00 p.m. to 4:00 p.m.)

Moderators: Sheldon Lipke, PE, Principal Consultant, SJL Consulting  
Marques Eley, PE, Sr. Engineer, Passaic Valley Sewerage Commission

1:00 p.m. "A Region-Wide LTCP: An Integrated and Collaborative Approach," Michael J. Hope, Executive Vice President of Eastern Operations, Greeley and Hansen LLC

1:30 p.m. "The Development of a Water Quality Model Used to Assess the Impact of CSO Controls on Receiving Waters," Richard R. Isleib, PE, Project Manager, HDR, Inc. and Mikayla Reichard, Water Quality Modeler, HDR, Inc.

2:00 p.m. "CSO Reduction Using Roadside Channels," Jason Farkas, Ryan Nguyen and Paul Potenza, Students, Stevens Institute of Technology

2:30 p.m. "Evaluating Green Infrastructure for CSO LTCPs Guidance Document and More...," Kyle W. Gourley, PE, Engineer IV - Wastewater, Mott MacDonald

- 3:00 p.m. "Challenges Associated with Parallel Sewer Constructions in Urban Neighborhoods with Micro-Tunneling," Zhengqi Cai, Vice President, Mott MacDonald
- 3:30 p.m. "Incorporating Green Infrastructure into CSO Abatement Programs: A Case Study in Perth Amboy, NJ," Eric Rothstein, Managing Partner, eDesign Dynamics
- Alternate: "UV Disinfection – How to Determine the Most Appropriate Design Criteria for Combined Sewer Overflows (CSOs)," Chengyue Shen, PE, PhD, Professional Associate, HDR, Inc.

## **Safety Workshop**

(8:15 a.m. to 2:00 p.m.) (TCH Hours: 4.0 Safety)

NJDEP No. 03-031924-31

CPWM No. NJWEA-DLGS-1131 Tech.: 4 Hrs.

Moderators: Harry Smith III, CSM - NJWEA Safety Committee Chairman  
Harry Ladisheff, Operator, Bayshore Regional Sewerage Authority and NJWEA Safety Committee Vice Chairman  
Rick Stafford, Safety Officer, Joint Meeting and Essex

- 8:15 a.m. "Trenching and Shoring Safety - OSHA 29 CFR 1926-650 to 653," Harry E. Smith, III, CSM, President of Certified Health and Safety Services, LLC and NJWEA Safety Committee Chairman  
Many workers get injured or die from taking chances or not knowing how to properly protect themselves and their coworkers. Well, surprising or not, OSHA has had a great policy and procedure in place for years. There is a simple and safe solution. You will learn the process and get a classroom demonstration of a very advanced, lightweight and cost-effective solution.
- 9:45 a.m. BREAK
- 11:00 a.m. Program continues followed by an actual Equipment Demonstration, Fred Haufler of Exeter Supply Company, Inc.
- 12:45 p.m. Personal Protective Equipment (PPE) "Proper Selection and Use," John P. McShane, Sales Representative for Pendergas Safety Products  
We will discuss and review how to select and properly use PPE in our work areas based on the task or job at hand, followed by a show and tell session with the actual equipment. A motivating hold, touch and talk about session.

## **Joint MABA/NJWEA Biosolids Workshop**

(8:30 a.m. to 4:00 p.m.) (TCH Hours: 6 WW)

NJDEP No. 03-031925-20

CPWM No. NJWEA-DLGS-1132 Tech. 6 Hrs.

NYPE 6; NJPE 6

- Moderators: Danielle Farrell, Remington & Vernick Engineers, Inc.  
Joshua Palombo, MBA, Cape May County Municipal Utilities Authority
- 8:30 a.m. "Evolution of a CHP Co-Generation System Ups and Downs," Yan R. Krause, PE, CME, SMRSA and Richard Crane, PE, BCEE, PS&S
- 9:00 a.m. "Long-Term Food Waste Co-Digestion PPP Case Study," John Buonocore, PE, Chief Engineer, Rahway Valley Sewerage Authority and Chris Taylor, Hawkins Delafield & Wood LLP

- 9:30 a.m. "Biofermentation: An Economic Method for Reducing the Quantity and Improving the Quality of Biosolids Produced at Wastewater Plants," Robert Ferrell, PE, RJF Consultants, LLC and G.R. Whiteman, PhD, Advanced Biofermentation Services, Inc.
- 10:00 a.m. "Anaerobic Digestion of Brown Grease," Amy Heindel, Student, Villanova University and Metin Duran, PhD, Villanova University
- 10:30 a.m. "Gloucester County Utilities Authority Update on Digestion Startup," Danielle Farrell, PE, Remington & Vernick
- 11:00 a.m. EXHIBITS AND LUNCH
- 1:00 p.m. "Residuals Section and Electronic Data Interchange System," Fayard Ali, NJDEP
- 1:30 p.m. "Keeping Operations Flowing: The Rehabilitation of PVSC's Wet Air Oxidation Decant Facility," Nicholas Bowen, Hazen and Sawyer
- 2:00 p.m. "High Cake Solids Dryness by Electro-Osmosis Technology," Hahn Min (Alex), Elode USA
- 2:30 p.m. "Optimizing Polymer Activation/Mixing Improves Sludge Dewatering: Case Studies," Yong Kim, PhD, UGSI Solutions, Inc.
- 3:30 p.m. "Regulatory Issues for Sewage Sludge Incineration Units Under the Clean Air Act," Stephen E. Luttrell, Esquire, Parker McCay P.A.

## **Industrial Wastewater Operator Workshop**

(9:00 a.m. to 4:00 p.m.) (TCH Hours: 5 WW)

NJDEP No. 03-031926-20

CPWM No. NJWEA-DLGS-1133 Tech. 5 Hrs.

- Moderators: Adewale Akinokun, Assistant Industrial Pretreatment/Laboratory Manager, Joint Meeting of Essex and Union Counties  
Lance Salerno, Senior Utility Performance Consultant, Brown and Caldwell
- 9:00 a.m. "New Techniques to Measure Activated Sludge Bio Flocculation Potential," Michael Foster, CET, Owner & Principal Consultant, Environmental Business Specialists, LLC
- 10:00 a.m. "Reliability Centered Maintenance," John Lewyta, PE, BCEE, Resident Engineer, Greeley and Hansen LLC
- 11:00 a.m. BREAK
- 1:00 p.m. "Startup and Commissioning of an Advanced Leachate Treatment Plant," Kerim Temel, Senior Engineer, Brown and Caldwell
- 1:30 p.m. "Selecting a Feasible Location for a Treatment Plant in 500-Year Flood Plain," Bhargavi Golluru, Senior Staff Engineer, Brown and Caldwell
- 2:00 p.m. "Industrial User Inspections/Investigations," Michael Phillips, Industrial Pretreatment/Laboratory Manager, Joint Meeting of Essex and Union Counties and Adewale Akinokun, Assistant Industrial Pretreatment/Laboratory Manager, Joint Meeting of Essex and Union Counties
- 2:30 p.m. "Determination of Immediate Chlorine Demand in Hudson River," Jurek Patoczka, Vice President, Mott MacDonald
- 3:00 p.m. "Standard Operating Procedures," Lance P. Salerno, Senior Utility Performance Consultant, Brown and Caldwell

3:30 p.m. "Operator Involvement with the Wastewater Design Process – Operability Reviews," Lance P. Salerno, Senior Utility Performance Consultant, Brown and Caldwell

## **Nutrient Removal**

Part I: NJDEP No. 03-031927-20 (TCH Hours: 2 WW)

CPWM No. NJWEA-DLGS-1134 Tech. 2 Hrs.

NYPE 2; NJPE 2

Part II: NJDEP No. 03-031928-20 (TCH Hours: 3 WW)

CPWM No. NJWEA-DLGS-1135 Tech. 3 Hrs.

NYPE 3; NJPE 3

(PART I: 9:00 a.m. to 11:00 a.m.)

Moderators: Gabrielle Moore, PE, AECOM

Lavanya Ramasubramanian, PE, Greeley and Hansen LLC

9:00 a.m. "Source Reduction: An Alternative Strategy for Effluent Total Phosphorus Discharge Reduction," Kam Law, PE, Associate, Greeley and Hansen LLC

9:40 a.m. "Take a Little More Off the Top: How a California-Based Vegetable Producer Optimized Their Carrot Plant Using a Small-Footprint Primary Rotating Belt Filter," Todd Latchaw, Regional Manager, Nexom

10:20 a.m. "Unique Process Control for Optimum Nitrogen Removal in Small Flow WWTPs," Rob Kerschner, President and CEO, Innovative Treatment Products, LLC-OEM

11:00 a.m. BREAK

(PART II: 1:00 p.m. to 4:00 p.m.)

Moderators: Gabrielle Moore, PE, AECOM

Lavanya Ramasubramanian, PE, Greeley and Hansen LLC

1:00 p.m. "Using Process Model for Optimizing Nitrogen Removal in Conventional Activated Sludge Plant," Yuan Fang, PhD, PE, Greeley and Hansen LLC

1:35 p.m. "MBR Design Fundamentals and Conversion Case Study," Tim Daily, PE, Senior Engineer, Pennoni Associates and Fraser Kent, PhD, P. Eng, Director-Wastewater Projects, H2O Innovation

2:10 p.m. "Achieving Process Efficiencies and Preparing for Future Nitrate Removal Under a State of Good Repair Program," Edmund Lee, PE, Principal Project Manager, Mott MacDonald

2:45 p.m. "Trickling Filter is Still Relevant," Julia Zhu, PE, Application Engineer, Brentwood Industries and Larry Li, PhD, PE, Product Line Manager, Brentwood Industries

3:20 p.m. "Rare Earth Technology in Wastewater Treatment," Logan S. Wherry, PE, Sales Development Manager, Neo Chemicals & Oxides

## **Collection System Operators' Workshop**

(9:00 a.m. to 3:00 p.m.) (TCH Hours: 4 WW)

NJDEP No. 03-031929-20

CPWM No. NJWEA-DLGS-1136 Tech. 4 Hrs.

Moderators: Basil D'Armiento, Operations Specialist, CDM Smith

Robert A. Snyder, Jr., Assistant Operations Manager, Plainfield Area Regional Sewerage Authority

9:00 a.m. "Reviewing Motivating Factors for the D Report Card Grade by ASCE's NJ Section in 2016 of Wastewater Infrastructure," James D. McGregor, PE, Retired, Self-Employed NASSCO PACP, MACP and LACP Trainer and Rutgers CE Instructor

9:40 a.m. "Pint-Sized Sewage Pumping Stations – Difficulties, Construction and Lessons Learned," Kyle Gourley, Engineer IV, Mott MacDonald

10:20 a.m. "Current Best Practices for Handling Wipes and FOG in Municipal Collection systems: Pump It, Grind It, Screen It, Treat It," Robert Domkowski, Engineering Consultant, Xylem, Inc. - Flygt

11:00 a.m. BREAK

1:00 p.m. "Best Practices for Iron Pipe Installation and Maintenance," Sean Lammerts, PE, LEED AP, Engineer, US Pipe

1:40 p.m. "Bypassing Bypass Pumping-Replacement of a 48-inch Sewer Interceptor with the Challenge of Maintaining Sewage Flows," Nancy C. Wohlleb, PE, CME, Env. SP, Vice President, Mott MacDonald and Roy Polednik, EIT, Mott MacDonald

2:20 p.m. "O2 Injection Into Wastewater Flow?," Allison Troeler, Outside Sales, BioOne

## **Manhole And Lateral Assessment and Certification Program**

(9:00 a.m. – 3:30 p.m., See Page 17)

## **Exhibit Area Presentation - Hoists and Cranes**

(11:30 a.m. to 12:30 p.m.) (TCH Hours: 1 W&WW)

NJDEP No. 03-031930-30

CPWM No. NJWEA-DLGS-1137 Tech. 1 Hr.

Moderators: Roseann Pettrow, Sr. Sales Representative, Dave Heiner Associates, Inc.

Chuck Royer, Sr. Sales Representative, Dave Heiner Associates, Inc.

11:30 a.m. "Hoist Up One for Me!," Al Zamora, Dave Heiner Associates, Inc. (products, application and safety in utilizing hoists)

12:00 p.m. "Phase Your Crane Into an Integrated System," Al Zamora, Dave Heiner Associates, Inc.

## **Grand Finale Reception**

(6:30 p.m. to ???) See Page 4 for more information



## FRIDAY, MAY 10, 2019

Closing Session/Breakfast Buffet  
(9:00 a.m.)

### **New Jersey and New York Professional Engineers**

- The New Jersey Water Environment Association (NJWEA) is an approved provider by the New Jersey State Board of Professional Engineers and Land Surveyors and the New York State Board for Engineering and Land Surveying for offering continuing professional competency credits (CPCC) for Professional Engineers that are licensed in those states. The NJWEA believes that several of the courses we offer will meet the respective Board's requirements for CPCC because of the review process and administrative controls we have that each proposed course must go through before being offered to Professional Engineers. These courses include "NJPE" and/or "NYPE" in the course description. However, all issues that may arise on the acceptability of a course will be between the individual and the Board. The Professional Engineer should retain the program book and his/her certificates received after the completion of the technical sessions issued by the NJWEA. The NJWEA will continue to maintain records of the courses offered and the names of attendees satisfactorily completing the courses.

**Pennsylvania Professional Engineers** - The New Jersey Water Environment Association (NJWEA) currently offers continuing professional competency credits (CPCC) for Professional Engineers that are licensed in New Jersey and/or New York. We believe these and many of our other courses also meet the CPCC requirements of a Professional Engineer that is licensed in Pennsylvania. The Pennsylvania State Board of Professional Engineers, Land Surveyors and Geologists (the Board) do not approve courses in advance. However, certain technical sessions provided by the NJWEA should meet the Board's requirements for CPCC if the Professional Engineer retains the program book and his/her certificates received after the completion of the technical sessions issued by the NJWEA. However, all issues that may arise on the acceptability of a course will be between the individual and the Board. NJWEA will continue to maintain records of the courses offered and the names of attendees satisfactorily completing the courses.

## **NJWEA PROGRAM COMMITTEE ROSTER**

Michael J. Hope, PE, Chair

Francis J. Bonaccorso, Vice Chair

Mohammad Abu-Orf	Gabrielle Moore, PE
Adewale Akinokun	William J. Muszynski, PE
Thomas Amidon	Christopher Nally
L. Ceren Aralp, PE	Peter A. Nese
Stephen Blankenship, PE	James Neville
Joseph F. Bonaccorso	Lisa Oberreiter
Brian J. Brach, PE	J. Sammi Olmo
Basil D'Armiento	Pilar Patterson
James De Block	Thomas L. Patterson, PE
James C. DeLaura, PE	Henry Penley
Daniel Eagan, PE	Roseann Pettrow
Marques Eley, PE	Joseph Polomene, PE
Richard Erickson	Manuel Ponte, PE
Colin Ferguson	Lavanya Ramasubramanian, PE
John Gardner	Michael Roy, PE
Srinivas D. Gidugu, PE	Chuck Royer
Thomas Grenci	Stephen Rozewski
Gary M. Grey	Lance Salerno
Chris Hoffman	John Schneekloth, PE
Nicole Joy	Amy Shallcross
Burk Kalweit	Bruce D. Smith
Harry L. Ladisheff	Harry E. Smith, III
John J. Lagrosa	Robert Snyder
Louis Lambe	Rick Stafford
Thomas Laustsen, PE	Peter F. Strom, PhD
Samantha Liccketto	William T. Suchodolski, PE
Sheldon S. Lipke, PE	Jay R. Surti, PE
Gary M. Lohse, PE	William E. Toffey
Christopher Manak	David Vaccari
David A. Marabello, PE	Ramone Vara
Jennifer Marques	Jeffrey Williams
William McMillin	Roman Wisniewski
John McNamara	Steven Yergeau, PhD
John A. Mele	Emily Zidanic
Adam Minichelli, P.E.	



**in Conjunction with NJWEA are offering**  
**PACP/MACP/LACP Training and**  
**Certification!**

The National Association of Sewer Service Companies (NASSCO) has developed a standardized rating, identification, and classification system for faults, problems and defects found in sewer pipes. This nationally recognized training standard is known as the Pipe Assessment Certification Program (PACP), Manhole Assessment and Certification Program (MACP) and Lateral Assessment and Certification (LACP).

The course is taught by certified instructor Brandon Conley.

To get further information or to register for the class, please e-mail: **Ashley Groves** at: [pacp@dohenycompanies.com](mailto:pacp@dohenycompanies.com) or call **800-336-4369**.

**For room reservations call (888) 516-2215 and ask for the NJWEA group rates:**

Bally's Luxury: \$118.00/night (Group Code: SB05WE7)

Bally's Deluxe: \$108.00/night (Group Code: SB05WE7)

Caesars : \$128.00/night (sessions held at Caesars) (Group Code: SC05WE7)

**PACP Training and Certification:**

Tuesday - Wednesday, May 7-8, 2019, from 9am - 3:30pm

\$840.00 per participant - 5 Wastewater TCH's awarded per day

*Includes refreshments, lunch, admission to the show floor, and an invite by NJWEA to a Wine & Cheese reception on Tuesday and a Beef & Brew reception on Wednesday in the Exhibit area at the close of the session.*

**PACP Training and Recertification:**

Tuesday - Wednesday, May 7-8, 2019, from 9am - 3:30pm

\$490.00 per recertification participant -5 Wastewater TCH's awarded per day

*Includes refreshments, lunch, admission to the show floor, and an invite by NJWEA to a Wine & Cheese reception on Tuesday and a Beef & Brew reception on Wednesday in the Exhibit area at the close of the session.*

**MACP/LACP Training and Certification:**

Thursday, May 9, 2019, from 9am - 3:30pm

\$195.00 per participant - 5 Wastewater TCH's awarded

\*PACP is a prerequisite for MACP/LACP

*Includes refreshments, lunch, and admission to the show floor*



**All classes are qualified for the Certified Public Works Manager Continuing education Credit!**

## **NJWEA "Battle of the Boardwalk" - 2019 OPERATIONS CHALLENGE May 6 & May 7**

Come Join Us at the NJWEA 2019 Annual Conference!

Teams/Judges/Support Staff/Sponsors: The NJWEA has once again decided to host an Operations Challenge Competition. This competition will be held during the NJWEA's 103<sup>rd</sup> Annual Conference and Exposition in Atlantic City, NJ. While the Conference is at Bally's Atlantic City, the Operations Challenge Battle of the Boardwalk will be held at the adjoining Caesars Atlantic City in the Palladium Ballroom. The dates for Battle of the Boardwalk are May 6 and May 7, 2019. On Monday, the Process Control and Laboratory Events will take place, along with Wastewater Quizzo. Tuesday, the Safety, Collections, and Maintenance Events will be taking place.

Information about the NJWEA Battle of the Boardwalk can be found at: [https://njwea.org/pwo\\_operations\\_challenge.php](https://njwea.org/pwo_operations_challenge.php). If you have a question, please feel free to contact Kathy Collinge. Your support is badly needed again this year so as the visiting teams said "A firm class event" can be had again in 2019. We do hope you can support the conference challenge. Stop in to cheer the teams on Monday and Tuesday in the Caesars Ball Room.

### **FACTS**

Teams come from all across the country and Canada.

We have room for 12 teams.

Registration began in January and will run through March. Registration will be on a first come first served basis and there will be a \$50.00 Team Registration Fee. Encourage your State Team to compete. As is our standard, we will try to follow the rules and regulations of the national competition to the best of our ability.

### **Questions/Comments**

Kathy Collinge

Battle of the Boardwalk Coordinator  
(609) 839-2687

[katherinecollinge@landis sewerage authority.com](mailto:katherinecollinge@landis sewerage authority.com)

## **NJWEA PRESIDENT'S AWARD RECEPTION**

Monday, May 6, 2019 at 5:00 p.m.

## **HOTEL INFORMATION New Jersey Water Environment Association's 104<sup>th</sup> Annual Conference Sunday, May 5, 2019 through Friday, May 10, 2019**



Bally's Atlantic City is proud to offer a variety of room options at special conference room rates. They include rates of \$98.00 (Dennis Tower) and \$108.00 (Bally's Tower) Rooms. The rates are based on single or double occupancy. Additional rates may apply.

To make room reservations at Bally's Atlantic City online, please go to:

<https://book.passkey.com/go/sb05we9>

Bally's does not accept purchase orders on a "direct bill" basis. All purchase orders will be signed and returned for payment in advance. The Front Desk will not accept a check at check-in time. Please refer all purchase order questions to Calena Hunton at 609-441-5529.

Or you may call 888-516-2215, 8 a.m. – 2 a.m., EST, and mention Group Code SB05WE9.

*Additional charges of 13.625% tax, \$2.00 NJ State Tourism Promotional Fee, \$10.00 Resource Fee, and a \$3.00 Room Assessment Fee per night will apply.*



Caesars Atlantic City is also proud to offer a special conference room rate of \$118.00, run of house. The rate is based on single or double occupancy. Additional rates may apply.

To make room reservations at Caesars Atlantic City online, please go to:

<https://book.passkey.com/go/sb05we9>

Caesars does not accept purchase orders on a "direct bill" basis. All purchase orders will be signed and returned for payment in advance. The Front Desk will not accept a check at check-in time. Please refer all purchase order questions to Flo Jones at 609-441-5736.

Or you may call 888-516-2215, 8 a.m. – 2 a.m., EST, and mention Group Code SC05WE9.

*Additional charges of 13.625% tax, \$2.00 NJ State Tourism Promotional Fee, \$10.00 Resource Fee, and a \$3.00 Room Assessment Fee per night will apply.*

### **Purchase Orders for Pre-Payment**

Purchase Orders are no longer accepted as a guarantee of payment and bill for rooms after event. All Purchase Orders will be accepted on a pre-paid basis only. Once your Purchase Order is received and the amount due is verified, it will be signed and returned to you for payment in advance. Payment for rooms must be received at least 10 business days prior to arrival. If your agency would like to be direct billed, please contact the hotel and the hotel will forward an application for Direct Billing to you. If a signature on the Purchase Order is required, they can be mailed:

Caesars & Bally's AC  
Flo Jones, Convention Coordinator  
c/o Bally's Catering Office  
Park Place & Boardwalk, 6<sup>th</sup> Floor  
Atlantic City, NJ 08401  
(609) 441-5736

### **4<sup>th</sup> ANNUAL "ESCAPE THE EFFLUENT" 5K RUN/WALK**

The Young Professionals Committee will be hosting the 4<sup>th</sup> ANNUAL "ESCAPE THE EFFLUENT" 5K RUN/WALK on Tuesday morning, May 7, 2019, at Bally's Park Place, Boardwalk, Atlantic City, NJ. For more information and to register on-line go to:

<https://events.r20.constantcontact.com/register/eventReg?oeidk=a07eek20qn1b4e25a4&oseq=&c=&ch=>

No registration by mail or fax.

### **THE SLUDGE BOWL 2019**

The Young Professionals Committee will again be hosting the "SLUDGE BOWL" at the Annual Conference in Atlantic City.

Please join us Wednesday, May 8<sup>th</sup> at 9:00 pm at the Mountain Bar in BALLY's Wild, Wild West Casino for Karaoke, t-shirt giveaway, fellowship AND a chance to win an iPad!

For more info:

Contact Emily Zidanic or Samantha Liccketto at [NJWEAYPs@gmail.com](mailto:NJWEAYPs@gmail.com).

[https://www.njwea.org/young\\_professionals.php](https://www.njwea.org/young_professionals.php)

In addition:

\*The Young Professionals' Speaker Challenge winners will be recognized on Fri., May 11<sup>th</sup> at the closing breakfast.

Contact Jack Lagrosa

([jlagrosa@njwea.org](mailto:jlagrosa@njwea.org)) if your company would like to support the student session with a prize donation.

<http://www.njwea.org> for more conference information, including the program schedule.

**AAEE/NJWEA Wes Eckenfelder Memorial Breakfast  
at the  
NJWEA's 104<sup>th</sup> Annual Conference**

**Date: Tuesday, May 7, 2019**

**Start: 7:00 a.m. - 8:15 a.m.**

**Place: Bally's Atlantic City at The Diamond Club (6<sup>th</sup> Floor Bally's)**

**Cost: \$27.00/person; On-Site Cost: \$30.00**

**Includes juice, coffee/tea, eggs, rolls and fruit**

***Topic: "Horsham Water and Sewer Authority's Experience with PFAS  
Contamination - Making "Unwell Waters" Well Again"***

**Speaker: Michael J. Pickel, PE, Horsham Water and Sewer Authority**

1 hour NYPE/PAPE/NJPE Credit & Operator W/WW CEU

(To register, circle the breakfast on page 3 of this flyer under Pre-Conference Registration)

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**The 34<sup>th</sup> Annual Peter A. Nese Prayer Breakfast**

**Date: Wednesday, May 8, 2019**

**Start: 7:15 a.m. - 8:30 a.m.**

**Place: Bally's Atlantic City - The Diamond Club (6<sup>th</sup> Floor Bally's)**

**Cost: \$27.00/person; On-Site Cost: \$30.00**

**Includes juice, coffee/tea, eggs, rolls and fruit**

**Any questions, please call Pete Nese @ (732) 887 - 1156**

***Topic: "To Make a Difference"***

**Speaker: Rich Taylor, Rapid Pump and Meter Service Co.**

**MAKE CHECKS PAYABLE TO "NJWEA" AND MAIL TO:**

**Darlene Galbraith, Registrar, NJWEA, PO Box 737, Woodland Park, New Jersey 07424**

**Phone: 973-239-9200; Fax: 973-239-9239**

**Prayer Breakfast Registration Form**

(Or Just Check the Box on Page 3 under the Special Events Tickets)

Name: \_\_\_\_\_ \$27.00 X \_\_\_\_\_ = \$ \_\_\_\_\_

Name: \_\_\_\_\_ \$27.00 X \_\_\_\_\_ = \$ \_\_\_\_\_

Total = \$ \_\_\_\_\_

Address: \_\_\_\_\_

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

CC#: \_\_\_\_\_ Exp. Date: \_\_\_\_\_ Circle One: VISA    MASTER CARD

Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_