



**New Jersey Water
Environment Association**

James De Block, Executive Director
P.O. Box 737
Woodland Park, NJ 07424

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James De Block, Executive Director
P.O. Box 737
Woodland Park, NJ 07424

REGISTRATION INFORMATION



New Jersey Water Environment Association

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

May 8th - 12th, 2023

Harrah's Resort
Atlantic City, New Jersey



Registration Instructions

GENERAL INFORMATION

- Complete and mail entire registration form **TWO PAGES**- Parts One and Two
- One form per person – photocopy this form for additional registrants or download from 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, 2023, or onsite Registration Rates will apply. Checks should be made payable to NJWEA in US Funds.
- 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 operator in an STP or collection system to be eligible for PWO Membership.

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, 2023, or received at the NJWEA office after the close of business on May 3, 2023, 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 are located on the 1st Floor, Harrah's Resort, 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 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 Lunch 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 Lunch Ticket for the Registration Days
- Exhibit Area Raffle Drawings for the Registration Days
- Social Event Tickets are not included and must be purchased separately.

REGISTRATION FORM - PART 1

REGISTRATION FORM - PART ONE

REGISTRANT NAME: _____ DATE: _____

Course Selection & 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 (NY-NJ PE)	_____
PC-2	Monday	8:30 AM	4:30 PM	Effective Utility Management Workshop	_____
PC-3	Monday	8:30 AM	4:15 PM	AAEES Workshop (NY-NJ PE)	_____
PC-4	Monday	9:00 AM	4:00 PM	Stormwater Workshop (NY-NJ PE)	_____
PC-5	Monday	9:00 AM	4:00 PM	Driver Safety Program	_____
PC-6	Monday	1:00 PM	4:00 PM	Engineering a Solution (NY-NJ PE)	_____
PC-7	Tuesday	7:00 AM	8:15 AM	AAEES/NJWEA Breakfast (NY-NJ PE)	_____
PC-8	Tuesday	8:30 AM	4:30 PM	8-Hour HAZWOPER Refresher	_____

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	12:30 PM	2023 Collection Managers Workshop (JDOW)	_____
2	Tuesday	8:30 AM	12:30 PM	Energy (NY-NJ PE)	_____
3	Tuesday	8:30 AM	1:30 PM	Wastewater Operators Program (JDOW)	_____
4	Tuesday	8:30 AM	1:30 PM	Laboratory Workshop (JDOW)	_____
5	Tuesday	9:00 AM	4:00 PM	Air Pollution Presentation (NY-NJ PE)	_____
6	Tuesday	1:00 PM	4:00 PM	Sustainability and Resiliency (NY-NJ PE)	_____
7	Tuesday	1:30 PM	3:00 PM	Instructor’s Workshop	_____
8	Tuesday	2:00 PM	4:00 PM	Asset Repair or Replace? (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 - 2023	_____
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	1:00 PM	5:00 PM	Industrial Wastewater Management (NY-NJ PE)	_____
16	Wednesday	1:00 PM	5:00 PM	Issues of Emerging Concern (NY-NJ PE)	_____
17	Wednesday	2:15 PM	3:15 PM	Pinch Valve Technology (Exhibit Area)	_____
18	Wednesday	4:30 PM	6:30 PM	Ethics Considerations for Engr’s. (NY-NJ PE)	_____
19	Thursday	8:00 AM	11:00 AM	CSOs: Implementing LTCPs, Pt 1 (NY-NJ PE)	_____
20	Thursday	1:00 PM	4:00 PM	CSOs: Implementing LTCPs, 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 Workshop (NY-NJ PE)	_____
23	Thursday	8:45 AM	4:00 PM	Collection Operators’ Workshop (JDOW)	_____
24	Thursday	9:00 AM	4:00 PM	Industrial Wastewater Oper. Workshop (JDOW)	_____
25	Thursday	9:00AM	11:00 AM	Nutrient Removal Part I (NY-NJ PE)	_____
26	Thursday	1:00 PM	4:00 PM	Nutrient Removal Part II (NY-NJ PE)	_____
27	Thursday	11:30 AM	12:30 PM	How’s Your Flow? (Exhibit Area)	_____

REGISTRATION FORM - PART TWO

NEW JERSEY WATER ENVIRONMENT ASSOCIATION

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

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

Complete both parts of registration form in full and mail by May 2nd. Mailings received after May 5th will be treated as onsite registrations. Circle the appropriate fees to indicate the selected events, indicate the number of Tickets or Membership Fees and sum the Total of Fees Due.

PLEASE PRINT CLEARLY. A TWO PAGE REGISTRATION FORM MUST BE COMPLETED FOR EACH REGISTRANT.
NOTE: NON-MEMBER MAY ELECT TO JOIN THE NJWEA OR COMPLETE THE REGISTRATION AT THE NON-MEMBER RATES
NOTE: NJWEA MEMBERSHIP IS NOT INCLUDED WITH NON-MEMBER REGISTRATION

PRE-CONFERENCE REGISTRATION AND SPECIALTY REGISTRATION	CIRCLE YOUR CHOICES	
	MEMBER	NON-MEMBER
• GIS and Asset Management Course	\$400.00	\$475.00
• Effective Utility Management Workshop	\$184.00	\$235.00
• AAES Workshop	\$287.00	\$287.00
• Stormwater Workshop	\$184.00	\$235.00
• Driver Safety	\$184.00	\$235.00
• Engineering a Solution Seminar	\$92.00	\$144.00
• AAES/NJWEA Wes Eckenfelder Breakfast	\$38.00	\$38.00
• Hazardous Waste Seminar, 8-Hr OSHA	\$143.00	\$174.00
PRE-CONFERENCE REGISTRATION SUB-TOTALS	\$ _____	\$ _____

CONFERENCE REGISTRATION	MEMBER	NON-MEMBER
• Full Registration (See Page 1 for Description)	\$595.00	\$625.00
• One Day Registration - Tuesday Only	\$124.00	\$154.00
• One Day Registration - Wednesday Only	\$124.00	\$154.00
• One Day Registration - Thursday Only	\$124.00	\$154.00

SPECIAL EVENTS TICKETS ONLY	NUMBER	PRE-REG. COST	EXT. AMOUNT
• Monday Presidents Awards Reception	_____	x \$ 75.00	= _____
• Tuesday Evening Meet & Greet	_____	x \$116.00	= _____
• Wednesday Prayer Breakfast	_____	x \$ 38.00	= _____
• Thursday Post Conference Reception	_____	x \$ 99.00	= _____
• Friday Closing Session/Breakfast	_____	x \$ 38.00	= _____

MEMBERSHIP FEES, AMOUNT DUE: \$ _____
 PRE-CONFERENCE REGISTRATION SUB-TOTAL AMOUNT DUE: \$ _____
 CONFERENCE REGISTRATION SUB-TOTAL AMOUNT DUE: \$ _____
 SPECIAL EVENTS SUB-TOTAL AMOUNT DUE: \$ _____
TOTAL AMOUNT DUE: \$ _____

OPTIONAL MEMBERSHIP NEW OR RENEWAL:	
WEF Professional Member:	\$182.00
WEF PWO Member:	\$117.00
WEF Young Professional:	\$64.00
WEF Student	\$35.00
NJWEA Associate Membership	\$55.00

CIRCLE YOUR CHOICE

EXHIBIT AREA ONLY:
 No Charge for Utility and Regulatory Staff
NO EXHIBITORS
Three Days Tues Wed Thur
CIRCLE YOUR CHOICE

CANCELLATIONS:
 Cancellations must be in writing. No phone calls will be accepted. A 5% charge for cancellations made prior to 5/2/2023. Absolutely no refunds will be made after that date.

ALL ONSITE REGISTRATION FEES ARE APPROXIMATELY 30% HIGHER THAN PRE-REGISTRATION FEES.
Lost Badge Fee 124.00 – PER DAY

Registration Form

PLEASE PRINT CLEARLY

Tax ID # 22-2184162

Name _____ Phone (____) _____ Fax (____) _____
 Billing Address _____ City _____ State _____ Zip _____
 Employer _____ E-Mail _____

Badge to Read (Nick Name): _____ I require Engineering CPC Credits/Hours for the following: Circle all that apply: NY NJ PA

Last 4 Digits of SSN: (For TCHs) _____ NJDEP Operator License # _____ Operator License Class: _____

ELIGIBLE FOR PWO MEMBERSHIP: Yes _____ No _____ WEF Membership No.: _____ Non-Member: _____

Name of Spouse (Complementary Entrance to Exhibit Hall) _____ Spouse Nick Name: _____

Check No. _____ CREDIT CARD NO. _____

EXP. DATE _____ CV2 # (The 3-digits on the signature area of the card or 4 digits on the front of the AMEX card) _____

SIGNATURE _____

MAKE CHECK PAYABLE TO "NJWEA" AND MAIL TO:

Debbie Cardena, Registrar NJWEA P.O. Box 737, Woodland Park, NJ 07424
 Phone: (973) 239-9200 • Fax: (973) 239-9239 • E-Mail: dcardena@NJWEA.ORG

Spouses Get Together for Wine & Cheese

Wednesday and Thursday - NJWEA Hospitality Room (12:30 p.m. to 2:00 p.m.)

For more information about the Spouse's Program or the Wheel of Fortune, contact Ann Bonaccorso (annbonaccorso@yahoo.com) or Jeanne Maiellano (rumpelstll@aol.com).

Meet & Greet

SPONSORED BY JET VAC EQUIPMENT

Don't miss the Association's MEET & GREET PARTY at Harrah's Resort at 7:00 p.m. to 10:00 p.m. poolside on Tuesday night, May 9, 2023.

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 Post-Conference Reception

SPONSORED BY CME

Join us at Harrah's Seven Star Lounge for the Closing Reception on Thursday evening, May 11, 2023, at 7:00 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 an open bar at the cocktail reception, a delightful display of culinary favorites with desserts, coffees and fine digestifs will be offered with desserts, coffees and fine digestifs will be offered.

MULTIPLE DRAWINGS FOR IPAD'S

All Full Registration and Thursday Only Registration Conference Attendees will receive a raffle ticket for the iPad drawings in the Exhibit Hall on Tuesday, Wednesday, and Thursday. Must be present to win.

Sludge Bowl - Karaoke at the Eden Lounge

at Harrah's Resort (see Page 19) • Wednesday, May 10, 2023 (9:00 p.m. to ???)

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

COMMITTEE

Executive
Awards
Biosolids

Collection Systems
Conference Management
Education Advisory

GIS/Asset Management
Industrial Environmental Quality
Information Mgmt. & Technology
Laboratory

Membership
Operations Challenge
Professional Engineering
Program
Publications
Public Education

Safety
Scholarship Awards
Site Remediation
Young Professionals

CHAIRPERSON

Jill Plesnarski
Rocco J. Maiellano
Julian Chianelli &
Robert Carlson
Louis C. Lambe
Richard Eustace
Chris Hoffman, P.E. &
Joseph Bonaccorso
Brian Brach, P.E.
Natalie Pisarcik
James De Block
Jennifer Marques &
Christopher Nally
Lisa Oberreiter
Keith Wagner
James Wancho, P.E.
Michael J. Hope, P.E.
Gregory Burde
Jennifer Marques &
Tom Meholic
Harry E. Smith, Jr.
Peter Strom, Ph.D.
Nicole Joy
Brian Carey

CONFERENCE ACTIVITIES INCLUDE

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

MONDAY, May 8

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

TUESDAY, May 9

- AAEEES Breakfast with CEU's for PE's (See Page 18)
- Coffee Breaks/Raffle in Exhibit Areas
- Lunch in Exhibit Areas
- Afternoon Wine & Cheese Party in Exhibit Areas
- Meet and Greet Poolside at 7:00 p.m.

WEDNESDAY, May 10

- Prayer Breakfast in Martorano's Restaurant (see Page 18)
- Coffee Breaks/Raffle in Exhibit Areas
- Lunch in Exhibit Areas
- Beef and Brew Reception in Exhibit Areas
- Sludge Bowl (see above and Page 19)

THURSDAY, May 11

- Coffee Breaks/Raffle in Exhibit Areas
- Exhibit Hall Reception
- Raffle in Exhibit Area
- Grand Finale (see above)

FRIDAY, May 12

- Breakfast Buffet - Raffle

The 46th Annual NJWEA Golf Outing

DURING THE NJWEA 108TH JOHN J. LAGROSA ANNUAL CONFERENCE

MONDAY, May 8, 2023

Blue Heron Pines Golf Club • 550 Country Club Drive, Egg Harbor City, NJ

Tee Off: 8:30 am Shotgun Start-Scramble Format • Carts Mandatory & Included in Fee of \$125.00 per person
Includes: Continental Breakfast, Greens Fees, Carts, Driving Range, and Barbecue Lunch following golf.

BOOK GOLF AND SPONSORSHIPS ONLINE AT:
www.memberleap.com/members/evr/reg_event.php?orgcode=NJWE&evid=34671485

SPONSORSHIP

Sponsorship of Tees and Greens will be \$110.00 each.
Tournament sponsors will be \$160.00.
Sponsorships will be assigned by order of receipt.

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 with questions on golf or donations.

Prizes will be awarded at lunch for the following:

- Team Prizes for 1st and 2nd Place
- Longest Drive
- Closest to the Pin

Golf Registration Form

PLEASE PRINT CLEARLY

MAKE CHECK PAYABLE TO "NJWEA" AND MAIL TO:

Debbie Cardena, Registrar NJWEA P.O. Box 737, Woodland Park, NJ 07424
Phone: (973) 239-9200 • Fax: (973) 239-9239 • E-Mail: dcardena@NJWEA.ORG

Name _____ Phone (____) _____ Fax (____) _____

Billing Address _____ City _____ State _____ Zip _____

E-Mail _____

Names in your foursome _____

Golf Only \$125.00 x _____ = \$ _____

I would like to sponsor a _____ \$ _____

TOTAL \$ _____

Check No. _____ CREDIT CARD NO. _____

EXP. DATE _____ CVV2 # (The 3-digits on the signature area of the card or 4 digits on the front of the AMEX card) _____

SIGNATURE _____

The Jeanne Decker Sludge Shovelers Breakfast The Franklin S. Hartman Golden Manhole Lunch

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

FOR MORE INFORMATION AND TO REGISTER ON-LINE GO TO:

https://www.memberleap.com/members/evr/reg_event.php?orgcode=NJWE&evid=34670263

Or you can register via the form below.

Member Registration Form

PLEASE PRINT CLEARLY
Tax ID # 22-2184162

MAKE CHECK PAYABLE TO "NJWEA" AND MAIL TO:

Debbie Cardena, Registrar NJWEA P.O. Box 737, Woodland Park, NJ 07424
Phone: (973) 239-9200 • Fax: (973) 239-9239 • E-Mail: dcardena@NJWEA.ORG

Name _____ Phone (____) _____ Fax (____) _____

Billing Address _____ City _____ State _____ Zip _____

E-Mail _____

I Will Attend _____ **Golden Manhole Society Lunch**, Tuesday at 12:00 Noon **\$44.00** \$ _____

(Paid Breakfast and/or Lunch) _____ **Sludge Shoveler's Breakfast**, Thursday at 6:45 am **\$38.00** \$ _____

NOTE: ADD \$3.00 for each Onsite Ticket purchased for each event **TOTAL** \$ _____

Check No. _____ CREDIT CARD NO. _____

EXP. DATE _____ CVV2 # (The 3-digits on the signature area of the card or 4 digits on the front of the AMEX card) _____

SIGNATURE _____

New Jersey Water Environment Association
**108th John J. (Jack) Lagrosa
 Annual Conference
 and Exposition Agenda**

FOR: GOVERNMENT - BUSINESS - INDUSTRY

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).

CTAM 200, Stormwater Workshop, AAES Workshop, Air Pollution, HAZWOPER, Energy, Resiliency and much more.

The WEF BOOKSTORE is Coming to the Conference (Located Adjacent to Registration)
 The WEF Bookstore will be the convening spot for attendees interested in discounted resources for all stages of their careers, including training materials, Manuals of Practice, standards and general management titles. WEF and water-themed merchandise will be available for attendees to purchase for family, staff and clients. Bookstore visitors will receive a free gift and a chance to win a free subscription when they get a brief demonstration of Access Water, the Water Environment Federation's technical content library of more than 20,000 pieces of technical content.



NJWEA OFFICERS

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

CONFERENCE MANAGER

Richard D. Eustace

CONFERENCE VICE CHAIRS

Henry Penley
 Robert De Block

PROGRAM COMMITTEE

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

COLLECTION COMMITTEE

Louis C. Lambe, Chair

INDUSTRIAL COMMITTEE

Natalie Pisarcik, Chair

GIS/ASSET MANAGEMENT COMMITTEE

Brian J. Brach, Chair

LABORATORY COMMITTEE

Jennifer Marques-Co-Chair
 Christopher Nally, Co-Chair

BIOSOLIDS AND ENERGY COMMITTEE

Julian R. Chianelli, Co-Chair
 Robert Carlson, Co-Chair

OPERATIONS CHALLENGE

Keith Wagner, Chair
 Katherine Collinge,
 Battle by the Bay Coordinator

STORMWATER COMMITTEE

Nicole Joy, Chair

REGISTRATION COORDINATOR

Debbie Cardena
 Phone: (973)-239-9200 - Fax: (973) 239-9239
 EMAIL: dcardena@njwea.org

EXHIBIT HOUR	
Tuesday	9:00 am – 5:30 pm
Wednesday	9:00 am – 5.30 pm
Thursday	10:00 am – 2:00 PM

On-Site REGISTRATION HOURS	
Sunday	2:00 pm – 6:00 pm
Monday	7:00 am – 6:00 pm
Tuesday	6:45 am – 5:00 pm
Wednesday	7:30 am – 4:00 pm
Thursday	7:30 am – 12:00 Noon

2023 GIS and Asset Management Session - Certified Training in Asset Management (CTAM) 200 Course: Developing an Asset Management Programs

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

NJDEP Course No. 03-032301-30

CPWM No. NJWEA-DLGS-1281 Tech. 7 Hrs.

NYPE 7; NJPE 7

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

Speaker: Tom Iseley, PhD, PE, Dist. M. ASCE, PWAM, Professor of Engineering Practice, Purdue University

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

8:15 a.m. **Chapter 1:** Introduction (Quiz)

9:15 a.m. **Chapter 2:** Buried Asset Management Program (Quiz)

10:15 a.m. BREAK

10:30 a.m. **Chapter 3:** Wastewater and Water System Inventory (Quiz)

12:00 p.m. LUNCH

1:20 p.m. "Practical Tips to Develop and Implement an ISO-Compliant Asset Management Plan," John Helwig, Senior Asset Management Consultant, CDM Smith

2:00 p.m. **Chapter 4:** Condition Assessment (Wastewater System) (Quiz)

3:00 p.m. BREAK

3:15 p.m. **Chapter 5:** Condition Assessment (Water Distribution System) (Quiz)

4:30 p.m. **Chapter 6:** Conclusions

•—•

Effective Utility Management Workshop: Your Path to Sustainability

(8:30 a.m. to 4:30 p.m.) (TCH Hours: 7 W&WW)

NJDEP Course No. 03-050101-30

CPWM No. NJWEA-DLGS-1282 Mgmt. 7 Hrs.

Speakers: Ed McCormick, President, McCormick Strategic Water
Jim Ginley, Independent Consultant
Jim Horne, Environmental Protection Agency - Office of Wastewater Management

Every day, water leaders and water sector utilities deliver vital services that protect public health and support the vitality of their communities, natural environment, and economy; their organizations are truly anchor institutions in your communities. Today's utilities also face a broad range of complex challenges, including rising costs and affordability, aging infrastructure, ongoing regulatory requirements, enhanced customer expectations, and rapidly evolving technology. Utilities need a common-sense, replicable, and proactive set of approaches to meet these challenges.

Effective Utility Management (EUM) is a water utility management program, developed by utilities for utilities, based around **Ten Attributes of an Effectively Managed Utility** and **Five Keys to Management Success**. EUM has been endorsed by EPA and several national water associations including WEF, NACWA, and AWWA. It is applicable to utilities of all sizes. A full range of information on EUM is available at www.watereum.org

EUM is **simple, actionable, and affordable** - it helps utilities of all sizes candidly assess their operations to protect infrastructure

investments, ensure that a workforce is able to address the challenges that they face every day, and help utilities improve their operations in many other important ways.

By participating in this workshop series, participants will learn about:

- What EUM is, and why it is important to help a utility achieve its goals and help its community
- How other utilities have successfully implemented EUM in their management and strategic planning processes
- How to use the EUM Self-Assessment to take a 360-degree look at current performance and goals for the future, relative to the Ten Attributes
- How to use the Self-Assessment results to implement EUM at your utility in a stepwise manner, at a pace that works for a utility's staff, by implementing effective practices, measuring progress, and improving performance along the way
- How to develop an Action Plan for improving facets of your utility by using the EUM framework

8:30 a.m. **Segment 1: Welcome and Introductory Session**
Welcome; Introduction - Jim Horne, USEPA; Host Association Speaker; Workshop Objectives and Participant Introductions

9:00 a.m. **Segment 2: EUM Workshop Overview** - Workshop Schedule; Introduction to EUM and Description of the EUM Attributes and Keys to Management Success

9:35 a.m. **Segment 3a: Utility "Self-Assessment"** - Overview of Self-Assessment Exercise - Participants Conduct Self-Assessment of Their Own Utility

10:10 a.m. BREAK

10:25 a.m. **Segment 3b: "Self-Assessment" Group Exercise**
"Self-Assessment" Chart Walk-Through Exercise - Discussion Among Participants About Results

11:20 a.m. **Segment 3c: "Self-Assessment" Group Report**
- Out Breakout Group Report Out; Identifying Top Two Attribute Areas and Attendees Select Their Attribute Areas for Afternoon

12:00 p.m. LUNCH

12:30 p.m. **Segment 4a: Implementing EUM** - Identifying Effective Practices Roadmap Implementation Framework - Review and Identify Practices and Introduction to Effective Practices Exercise

12:50 p.m. **Segment 4b: Implementing EUM** - Identifying Effective Practices Exercise - Participants Identify Effective Practices Exercise - Discussion of Effective Practice Findings

2:05 p.m. **Segment 4c: Implementing EUM** - Effective Practices Breakout Room Report Out Breakout Group Report Out and Plenary Discussion of Findings

2:35 p.m. BREAK

2:50 p.m. **Segment 5: Developing an Action Plan** Linking Attributions to Measures; Benchmarking Resources; Group Discussion on Measures and EUM Dashboard Example

3:40 p.m. **Segment 6: Bringing EUM to Your Utility**
Example Start-Up Plan and Action Plan Break-Out Group Discussion

4:15 p.m. **Segment 7: Feedback Session** - Real-Time Feedback - Open Mic Participations Complete Evaluation Form

4:30 p.m. **Segment 8: Wrap Up** - What We Covered in Workshop; Additional Resources (WaterEum.org) and Closing Remarks - Host Association Speaker

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AAEES WORKSHOP - Minimizing the Impact of Pharmaceuticals in the Environment

(8:30 a.m. to 4:15 p.m.) (TCH Hours: 6 W&WW)
NJDEP Course No. 03-032302-30
CPWM No. NJWEA-DLGS-1283 Tech. 6 Hrs.
NYPE 6; NJPE 6

Treatment of pharmaceutical wastewater is known to be challenging. Pharmaceutical wastewater can contain high fractions of minimally degradable carbon compounds in addition to easily biodegradable carbon compounds. Also, the composition and concentration of pharmaceutical wastewater may vary due to batch operation and be specific to the manufactured product runs. Further complications may include the presence of biological inhibiting compounds. Concurrently, pharmaceuticals, cosmeceuticals and their chemical decomposition derivatives are being found in wastewater and in the world's rivers far more often than previously thought – so much so that it now poses a significant hazard risk to the global environment and human health. The unknown toxicity, teratogenicity and carcinogenicity profile associated with these compounds raise a concern to the public health. Some research studies indicate the level of pharmaceuticals, cosmeceuticals and their chemical decomposition derivatives in rivers poses a threat to the world's ability to deliver on the UN Sustainable Development goal to provide clean drinking water and sanitation for all by 2030. 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.

Moderators: David A. Marabello, PE, BCEE, PMP, Principal Project Manager, Groundwater and Environmental Services, Inc.
David A. Vaccari, PhD, PE, BCEE, F.ASCE, Stevens Institute of Technology
Jay Surti, PE, East Region Biosolids Leader, GHD

- 8:45 a.m. "Reducing Antibiotic Emissions and Antimicrobial Resistance Risk from Pharmaceutical Manufacturing Operations," Stephen Brooks, AMR Industry Alliance and Courtney Soulsby, British Standards Institution (BSI)
- 9:30 a.m. "Removal of Intracellular and Extracellular Antibiotic Resistant Genes (ARGs) by Ultraviolet Light and Ozone in Different Water Matrices," Rominder Suri, PhD, PE, Temple University
- 10:15 a.m. BREAK
- 10:30 a.m. "Pharmaceuticals in the Environment - What are the Risks, Technology Solutions and How are These Technologies Working?," Joseph Cleary, PE, BCEE, Geosyntec Consultants, Inc. and George Hollerbach, Geosyntec Consultants, Inc.
- 11:15 a.m. "Treatment of Pharmaceutical Wastewaters to Reduce API Risks: Antibiotic Focus at Industrial Manufacturing Sites," Ed Helmig, Arcadis and David Riedel, PE, Arcadis
- 12:00 p.m. LUNCH
- 1:00 p.m. "A Private Environmental Governance Approach to Incentivize Manufacturers to Voluntarily Reduce Antibiotics in Manufacturing Wastewaters," Michael Mahoney, Teva Pharmaceuticals
- 1:30 p.m. "Desktop Risk Assessments to Estimate API Losses to Process Wastewater and Receiving Waters," Ellen Farrelly, EIT, Geosyntec Consultants, Inc. and Daniel Elliott, PhD, Geosyntec Consultants, Inc.
- 2:15 p.m. "Electrochemical Oxidation of Pharmaceuticals in Wastewater," Geoffrey Milburn, P.Eng, Axine Water Technologies
- 2:45 p.m. BREAK
- 3:00 p.m. "Which Bacteria Carry Antibiotic Resistance Genes in Our Rivers and How Mobile are These Genes?," Nicole Fahrenfeld, PhD, Rutgers University and Aishwarya Deshpande, Rutgers University
- 3:45 p.m. PANEL DISCUSSION

Stormwater Workshop – Spring 2023

(9:00 am. to 4:00 p.m.) (TCH Hours: 5.5 WW)
NJDEP Course No. 03-032303-20
CPWM No. NJWEA-DLGS-1284 Tech. 3.5 Hrs. Gov. 2 Hr.
NYPE 3; NJPE 5

Moderators: Nicole Joy, Project Engineer, Kleinfelder
Brian Friedlich, PE, Managing Engineer, One Water Consulting LLC

- 9:00 a.m. "The GSI Designer Survey - Results and Lessons Learned," Rob Woodman, PE, National Urban Green Infrastructure Manager, Ferguson Waterworks
- 9:45 a.m. "Stormwater Regulatory Update: Municipal Stormwater, Inland Flood Protection and Green Infrastructure," Brian Friedlich, PE, Managing Engineer, One Water Consulting LLC and Erin Dovel, PE, Project Engineer, Kleinfelder
- 10:45 a.m. BREAK
- 11:00 a.m. "Stormwater Modeling," Christopher Pirone, Stormwater Engineer, Mott MacDonald and John Dening, PE, Principal Project Manager, Mott MacDonald
- 11:30 a.m. "Franklin Township Stormwater Basin Retrofits: AKA Lessons in Patience and Perseverance," Kathleen Hale, Principal Watershed Protection Specialist, New Jersey Water Supply Authority
- 12:00 p.m. LUNCH
- 1:00 p.m. "Back to the Basics: Navigating Through the NJ State Revolving Fund (SRF)," Eleni Giannikopoulos, Associate/Client Development Dept. Mgr., Suburban Consulting Engineers, Inc.
- 1:45 p.m. "The Happily Ever After: LTCP Implementation and Flood Mitigation Done Right," Erin Abline, PE, Principal/Municipal and Land Development Dept. Mgr., Suburban Consulting Engineers, Inc. and Christine Vaccaro, PE, Senior Project Manager, Suburban Consulting Engineers, Inc.
- 2:30 p.m. BREAK
- 2:45 p.m. "Thinking Green to Reduce Flooding for Garden Apartments," Mary Paist-Goldman, PE, Owner, Rippled Waters Engineering, LLC and Samantha Comandini, Environmental Scientist, Rippled Waters Engineering, LLC
- 3:30 p.m. "Building Resiliency Beyond Borders: Leveraging Green Infrastructure Best Practices Around the Country," Caitlin Cavanaugh, Water Resources Engineer, AECOM

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: Daren DiFonso, President
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.)

Monday, May 8, 2023

Engineering a Solution Spring 2023

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

NJDEP Course No. 03-032304-20

CPWM No. NJWEA-DLGS-1285 Tech. 3 Hrs.

NYPE 3; NJPE 3

Moderators: Joseph Polomene, PE, Associate,
Sherwood Logan & Associates
Roseann Pettrow, Sales Associate,
G.A. Fleet Associates

- 1:00 p.m. "Western Monmouth Utility Authority Digester Upgrade Project," Richard P. Crane, PE, BCEE, PS&S
- 1:35 p.m. "Fundamental Aspects of Anaerobic Digestion for Considerations Design and Operation," Mohammad Abu-Orf, PhD, VP, Biosolids Practice Group Leader, Hazen & Sawyer
- 2:10 p.m. "Essential Equipment in Anaerobic Digestion: Mixers and Covers," Hao Pham, Product Manager - Anaerobic Digestion, Biosolids Management & Resource Recovery, OVIVO USA, LLC
- 2:45 p.m. "Upgrade of the Primary Sludge Pumps at the Livingston Water Pollution Control Facility," Monisha Brown, Project Engineer, H2M Associates, Inc.
- 3:30 p.m. "Hiccups and Speed Bumps - Years One and Two Construction of a New 300 MGD Headworks in the City of Philadelphia," Isaac Katz, Senior Project Manager, Whitman, Requardt & Associates

Alternate: "Biogas Flare Reduction & Residual Power with an ORC," Joseph Polomene, PE, Associate, Sherwood Logan & Associates

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NJWEA President's Award Reception

(5:00 p.m.)

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Tuesday, May 9, 2023

AAEES/NJWEA Wesley Eckenfelder Memorial Breakfast - 2023

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

NJDEP Course No. 03-032305-30

NYPE 1; NJPE 1

CPWM No. NJWEA-DLGS-1286 Tech. 1 Hr.

7:00 a.m. "Solids + Sediments = A Career in the Mud," Chris Uchrin, PhD, PE, Rutgers University

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Collection System Managers Workshop - Spring 2023

(8:15 a.m. to 12:30 p.m.) (TCH Hours: 3.5 WW)

NJDEP No. 03-032306-20

CPWM No. NJWEA-DLGS-1287 Tech. 3.5 Hrs.

NYPE 3; NJPE 3

Moderators: Ceren Aralp, PE, Mott MacDonald
Louis C. Lambe,
Passaic Valley Sewerage Commission
William T. Suchodolski, PE,
Ocean County Utilities Authority

- 8:15 a.m. Introduction to Program and Collection System Committee Updates
- 8:30 a.m. "Operator's Certification and Licensure," Robert Shertenlieb, Ocean County Utilities Authority
- 9:00 a.m. "Artificial Intelligence in Sanitary Sewer Inspection and Evaluation," Tim McGary, Sewer AI
- 9:30 a.m. "Saving Energy by Converting Pump Station to Gravity," Ceren Aralp, PE, Mott MacDonald
- 10:00 a.m. BREAK
- 10:15 a.m. "Stabilizing Capital Cost Recovery: A Utility Management Case Study from the Green Bay Metropolitan Sewerage District," Zachary Green, Raftelis Financial Consultants, Inc.
- 10:45 a.m. "What's That Smell? Instant Infrastructure Addresses H₂S," Joe Krudys, Smart Cover Systems
- 11:15 a.m. "Force Main Conditions Assessments - Where Do We Start and What Have We Learned?," Paul Rodriguez, PE, Mott MacDonald
- 11:45 a.m. "Five Years Later, The Village of Sherman NY Proves Increased Safety and Maintenance Reduction by Eliminating the Wet Well at Their Lift Station," James Huck, Industrial Flow Solutions
- 12:45 p.m. Vendor's Floor
- Alternate:** "Trenton Water Works Enterprise GIS: Workflows and Patterns Empowering GIS Users Across the Organization," Calen Daugherty, Civil Solutions

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Tuesday, May 9, 2023

Energy Topics - Spring 2023

(8:30 a.m. to 12:30 p.m.) (TCH Hours: 3 W&WW)

NJDEP Course No. 03-032307-30

CPWM No. NJWEA-DLGS-1288 Tech. 3 Hrs.

NYPE 3; NJPE 3

Moderators: Julian Chianelli, P.E., Senior Associate, Hazen and Saywer
Bob Carlson, Executive Director, Cumberland County Utilities Authority

- 8:30 a.m. "Flare Reduction: Benefits of an Organic Rankin Cycle Generator at Wastewater Treatment Plants," Joe Polomene, Sherwin Logan and Associates and Natalie Van Dyke, Sales Director, Electratherm
- 9:00 a.m. "Multi-Effect Evaporation for Maximum Energy Efficiency," Phil Harrell, Senior Technical Design Engineer, HRS Heat Exchangers
- 9:30 a.m. "MCUA Energy Management Planning," Bryan Lisk, Hazen and Sawyer
- 10:00 a.m. BREAK
- 11:00 a.m. "Never Say Sorry for Having Too Much Gas: Various Options for Biogas Treatment and Upgrade," Regina Hanson, Varek Biogas
- 11:30 a.m. "Energy Research at The Water Research Foundation - An Overview," Ashwin Dhanasekar, The Water Research Foundation
- 12:00 p.m. "Microgrid Project for CMCMUA," Josh Palombo, Wastewater Management Program Manager, CMCMUA

Wastewater Treatment Operator's Program - Spring 2023

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

NJDEP No. 03-032308-20

CPWM No. NJWEA-DLGS-1289 Tech. 4 Hrs.

Moderators: Jeffrey A. Williams, S4 C4 CPWM, Executive Director, Linden Roselle Sewerage Authority
Joseph Russell, S3 C3, Superintendent of Operations, Delran Township Sewer Department

- 8:30 a.m. "How Flushable Plastics, Disposable Wipes and Grinders Affect the Performance of Headworks and/or Membrane Protection Screen and Their Tertiary Membrane Systems," James E. Impero, Senior Engineering Specialist, Ovivo; Group Product Manager, Brackett Green; and Senior Engineering Specialist/Research and Design, Eimco/Ovivo
- 9:30 a.m. "Put it in a Pipe! Three Advantages of Closed Vessel UV Systems," Joe Ciurlino, Technical Sales Manager, Evoqua
- 10:30 a.m. BREAK
- 11:30 a.m. "A Case Study - Rehabilitation of Four Clarifiers in Monmouth County, New Jersey," Heather Stiner, Market Segment Manager for Water and Wastewater - Eastern Area Division, Sherwin-Williams
- 12:00 p.m. "An Innovative Biogas Purification Technology to Generate Low-Cost Renewable Natural Gas (RNG)," Robert Ferrell, Vice President Business Development, InnoSeptra, LLC and Ravi Jain, Ph.D., President, InnoSeptra, LLC
- 12:30 p.m. "Dewatering Alternatives: Solar Drying Economic and Environmental Impacts for Municipalities," Kristina Gerber, P.E., Domain Leader for Anaerobic Digestion, Veolia WTS
- 1:00 p.m. "Intensification for Optimal Performance," Sherri

Laboratory Workshop - Spring 2023

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

NJDEP No. 03-032309-30

CPWM No. NJWEA-DLGS-1290 Tech. 2.0; Gov. 2.0 Hrs.

Moderators: Chris Nally, 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," NJDEP Office of Quality Assurance
- 10:00 a.m. "Automating the Analysis of TKN: BUCHI," Julio Cabrera, Chemist, Passaic Valley Sewerage Commission
- 11:00 a.m. BREAK
- 11:15 a.m. "A Day at a Drinking Water Laboratory," Jennifer Loudon, Laboratory Director, Laboratory Director, Passaic Valley Sewerage Commission
- 12:15 p.m. "Case Study: NJDEP Certification Process for TNTplus835 for Nitrate (Method 10206)," Cathleen Johnson, Quality Assurance Officer, Middlesex County Utilities Authority.
- 1:00 p.m. "Lab Math - New QC Calculations," Athina Gramuglia, Laboratory Manager, Passaic Valley Sewerage Commission

8-Hour HAZWOPER Refresher

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

NJDEP No. 03-010304-31

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

Moderators: David Grupp, Versatile Senior Environmental Manager, AEI Consultants
Tom Greci, Technical Manager, Environmental Compliance Monitoring, Inc.

Instructors: David Grupp, Versatile Senior Environmental Manager, AEI Consultants
Chris Myers, EHS Compliance Manager, Environmental Compliance Monitoring, 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 Spring 2023

(9:00 a.m. to 4:00 p.m.) (TCH Hours: 5 W&WW)
NJDEP Course No. 03-032310-30
CPWM No. NJWEA-DLGS-1291 Tech. 5 Hrs.
NYPE 4; NJPE 5

Moderator: Richard Erickson, Senior Associate,
First Environment

- 9:00 a.m. "Reduction of VOC and HAP Emissions Substituting Exempt and Non-Hazardous Compounds in Processes and Maintenance," Rich Cestone, PE, CHMM, Remington & Vernick Engineers
- 9:45 a.m. "Working Your Way Out of a Title V Operating Permit," Tiffany Medley, PhD, Tetra Tech
- 10:30 a.m. BREAK
- 10:45 a.m. "Downward Trends in Regional Sulfur Dioxide (SO₂) Emissions Due to Regulatory and Industry Changes," Brittany C. Connelly, Tetra Tech
- 11:30 a.m. "Leading the Way in PA: How a Pennsylvania Incinerator Became One of the Few in the U.S. to Follow the EPA's Subpart LLLL Air Quality Regulations," Rachel Lengle Govelovich, PE, Gannett Fleming and Levant Takmaz, PhD, Veolia Water Technologies and Solutions
- 12:15 p.m. LUNCH
- 1:15 p.m. "Gasification and Pyrolysis and the Introduction of Autothermal Pyrolysis as a Means of Intensification," Philip B. Pedros, PhD, PE, BCEE, Mott MacDonald
- 2:00 p.m. "Air Permitting and Environmental Justice," David Restaino, JD, Partner, Fox Rothschild, LLP
- 2:45 p.m. BREAK
- 3:00 p.m. "PONCH-H₂O - Advanced Wastewater Resource Recovery for Enhanced Carbon Reduction at WRRFs," Edward Weinberg, PE, President, ESSRE Consulting

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Sustainability and Resiliency - Spring 2023

(1:00 p.m. to 4:00 p.m.) (TCH Hours: 3 W&WW)
NJDEP No. 03-032311-30
CPWM No. NJWEA-DLGS-1292 Tech. 3 Hrs.
NYPE 3; NJPE 3

Moderator: Joseph Polomene, PE, Associate, Sherwood Logan & Associates

- 1:00 p.m. "The Envision Verification Framework: How Sustainable Infrastructure is No Longer a Pipe Dream," David Nowak, LEED AP, ENV SP, Senior Scientist, Dewberry Engineers
- 1:30 p.m. "Striving to be More Sustainable? Let the Envision Sustainability Framework Guide You," Kathleen M. Mannion, PE, Lead Engineer, Carollo Engineers
- 2:00 p.m. "The Role of Enhanced Primary Treatment on Sustainability and Energy Neutrality," Christine Hengel-Prom, Civil Engineer, Black and Veatch and Amiel Middelman, Civil Engineer, Black & Veatch
- 2:30 p.m. "Opportunities in Affordability," Daniel Van Abs, PhD, FAICP/PP, Professor of Professional Practice for Water, Society and the Environment, Rutgers, The State University of New Jersey and Larry Levine, JD, Director and Senior Attorney, Urban Water Infrastructure, National Resources Defense Council

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Instructors' Workshop

(1:30 p.m. to 3:00 p.m.)

Moderators: Joseph Bonaccorso, NJDEP Advisory Committee
Christian Hoffman, Chairman,
NJWEA Education Committee

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Exhibit Area Presentation - Asset Repair or Replace?

(2:00 p.m. to 4:00 p.m.) (TCH Hours: 2 W&WW)
NJDEP 03-032312-30

CPWM No. NJWEA-DLGS-1293 Tech.: 2 Hrs.

Moderators: John A. Mele, Regional Manager,
Hobas Pipe USA
John Corkery, Municipal Sales Manager,
PSI Process / Pumping Services, Inc.
Keith Merl, PE, Regional Sales Manager, DuroTerra

- 2:00 p.m. "Intelligent Approach for Replacement VFDs," John David, Northeastern Regional Sales Manager, Danfoss
- 2:40 p.m. "Maintenance and Replacement Considerations for Water & Wastewater Treatment Equipment," Ryan Holak, Technical Sales Engineer, PSI Process
- 3:20 p.m. "Considerations for Optimum Selection for Replacement Submersible Pumps," Sean Paratore, Engineering Group, PSI Process

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Innovative Technology Forum - Spring '23

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

NJDEP No. 03-032313-20

CPWM No. NJWEA-DLGS-1294 Tech. 2 Hrs.

NYPE 2; NJPE 2

Moderators: Stephen Rozewski, President,
Metro NY Environmental LLC
Louis C. Lambe, Industrial Pretreatment Program/
GIS Engineer, Passaic Valley Sewerage Commission

- 2:00 p.m. "Reality Capture: Make It Work for You," Alan Stadler, Conveyance Practice Lead, Wade Trim
- 2:30 p.m. "New and Innovative Screen Technology Provides Superior Headworks and Membrane Protection," James Impero, Senior Engineering Specialist, Ovivo Water
- 3:00 p.m. "WEF 2022 Innovative Technology Award Winner: Enhanced Cake Dryness and Granulation via Effective Energy Evaporation of Surface Moisture Using Combined Centrifugal Dewatering and Spray Drying Techniques," James Hanson, Product Manager, GEA Westfalia Separator
- 3:30 p.m. "2022 WEF Innovative Technology Award Winner: Compressed Gas Mixing and Inline Fermentation Enhances Biological Phosphorus Removal," Fred Kade, Regional Manager, Enviromix

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Wednesday, May 10, 2023

The 38th Annual Peter A. Nese Prayer Breakfast

(7:15 a.m. to 8:30 a.m.) (See Page 18 for more information)

- 7:15 a.m. "After the Smoke Clears with God's Grace and Glory,"
Harry L. Ladisheff, Incinerator Operator, Bayshore
Regional Sewerage Authority

Student Session

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

Moderators: Brian Carey, Pequannock, Lincoln Park & Fairfield
(Two Bridges) Sewerage Authority (TBSA)
Steven Yergeau, PhD, Rutgers Cooperative
Extension

- 8:30 a.m. Student and YP Meet and Greet, Coffee and Danish
9:00 a.m. NJWEA Update, Jill Plesnarski, NJWEA President
9:15 a.m. Federation Address, Corey Williams, WEF Board of
Trustees
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
11:00 a.m. Poster Session - Set-Up, Q&A with Attendees
12:00 p.m. Lunch / Exhibit Hall Tour
2:00 p.m. Student/YP Program Session Welcome
2:15 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,
Rutgers Cooperative Extension
3:15 p.m. Closing Remarks, Brian Carey, TBSA and Steven
Yergeau, PhD, Rutgers Cooperative Extension
3:30 p.m. Student and Young Professionals Reception

Maintenance Workshop - Spring 2023

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

NJDEP No. 03-032314-30

CPWM No. NJWEA-DLGS-1295 Tech. 5 Hrs.

- Moderators:** Roman Wisniewski, Maintenance Manager,
Joint Meeting of Essex and Union Counties
Andrew Stein, President, Affinity Pumps LLC
Mike Maffia, Assistant Maintenance Manager,
Joint Meeting of Essex and Union Counties
- 9:00 a.m. "Surge Protection In I&C and Power Applications,"
John Piccinic, Regional Sales Manager, Eaton
Corporation
9:45 a.m. "Circuit Breaker Maintenance and ArcSafe
Equipment," Kenneth Hines, Region Manager,
Circuit Breaker Sales and Chris Prater, Sales
Engineer, Circuit Breaker Sales
10:45 a.m. "Rust Prevention Solutions for Fleet Vehicles," Chris
Mangold, Commercial Business Development
Manager, Milspray Technologies
11:15 a.m. "Grinder Maintenance," Tony Farmer, Northeast
Regional Manager, JWC Environmental
12:00 p.m. LUNCH
2:00 p.m. "Mineral Removal Solutions for Improved Process
Flow," Etienne Grignard, Managing Director,
Grignard Company LLC

2:40 p.m. "Parking Lot Rehabilitation and Maintenance,"
Richard Shaw, Sales and Marketing Manager, Patch
Management, Inc.

3:20 p.m. "Commercial Roofing Maintenance and
Replacement," Joon Kim, Business Development
Manager, PB Roofing

Plenary Session - 2023

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

NJDEP No. 03-032315-30

CPWM No. NJWEA-DLGS-1296 Gov. 2 Hrs.

Moderators: Jill Plesnarski, NJWEA President
James F. Cosgrove, Jr, PE, Principal,
OneWater Consulting, LLC

- 9:00 a.m. NJWEA Update, Jill Plesnarski, NJWEA President
9:15 a.m. Federation Address, Corey Williams, WEF Board of
Trustees
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. Regional Administrator Lisa F. Garcia, USEPA Region 2
10:30 a.m. NJDEP Commissioner Shawn M. LaTourette
11:00 a.m. DRBC Executive Director Steve Tambini
11:30 a.m. Q&A Session - People who have questions for
Commissioner LaTourette, Regional Administrator
Garcia or Executive Director Steve Tambini are
encouraged to contact James Cosgrove (jcosgrove@
onewaternj.com) to reserve the opportunity to ask
it or to have it asked anonymously during the Q&A
session.

Professional Engineer's Program - Spring '23

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

NJDEP No. 03-032316-30

CPWM No. NJWEA-DLGS-1297 Tech. 3 Hrs.

NYPE 3; NJPE 3

Moderators: Manuel Ponte, PE, Principal Engineer,
R3M Engineering Inc.
Thomas A. Laustsen, PE, BCEE, PMP, Chief Operating
Officer, Passaic Valley Sewerage Commission
Colin Ferguson, PE, Principal Engineer, Kleinfelder

- 1:00 p.m. "More Resilient Wet-Weather Treatment and Better
Effluent Quality with Dual-Purpose Filtration," James
D. Fitzpatrick, PE, WRRF Section Leader, Black &
Veatch and John Thompson, Operations Supervisor,
Little Rock Water Reclamation Authority
1:30 p.m. "Time is Money: Construction Contract Times,
Delays and Schedules," Kevin O'Beirne, PE, National
Manager of Engineering Specifications, HDR, Inc.
2:30 p.m. "Tactful Offshore Ocean Outfall Replacement,"
William Gettings, PE, BCEE, Associate Vice President,
Hazen and Sawyer
3:00 p.m. "A Lifeline in Managing a 102-inch Diameter Force
Main," Jodi Litus, PE, Middlesex County Utilities
Authority and Anna Santino, PE, Senior Condition
Assessment Engineer, Pure Technologies
3:30 p.m. "Commissioning the Largest Tertiary CoMag
Ballasted Flocculation Process in the USA," Pamela
Westgate, PE, Principal Engineer, Kleinfelder

Wednesday, May 10, 2023

Instrumentation and Controls - Spring '23

(1:00 p.m. to 5:00 p.m.) (TCH Hours: 4 W&WW)
NJDEP No. 03-032317-30
CPWM No. NJWEA-DLGS-1298 Tech. 4 Hrs.
NYPE 4; NJPE 4

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

- 1:00 p.m. "Masaqua: A New Control System to Streamline MBR Operations and Decrease Capital and Operational Expenses," Larry Morris, PhD, Kubota Membrane USA Corporation
- 2:00 P.M. "Fan Introduction to Flow Meter Technologies," Walter Freeman, Instrumentation and Valve Technical Specialist, NSI Neal Systems, Inc.
- 4:00 p.m. "Designing a More Reliable Collection System Using Proper Instrumentation and Controls," Denis O. Rehse, Process Sales, PSI Process Equipment

Industrial Wastewater Management Session - Spring 2023

(1:00 p.m. to 5:00 p.m.) (TCH Hours: 4 WW)
NJDEP No. 03-032318-30
CPWM No. NJWEA-DLGS-1299 Tech. 3 Hrs., Gov. 1 Hr.
NYPE 3; NJPE 4

Moderators: Maria Bausch, PE, Associate/Senior Project Manager, Mott MacDonald
Natalie Pisarcik, Industrial Pretreatment Coordinator, Rockaway Valley Regional Sewerage Authority

- 1:00 p.m. "EPA Water Program Regulatory Update," Virginia Wong, Chief Clean Water Regulatory Branch, Water Division - EPA Region 2
- 1:30 p.m. "NJDEP: Industrial Regulatory Updates; PFAS," Susan Rosenwinkel, Bureau Chief of Surface Water and Pretreatment Permitting, NJDEP and Kerri Standowski, Environmental Specialist, NJDEP
- 2:00 p.m. "Treatment of PFAS in Real World Applications - Overcoming Challenges," George Federico, Technical Director, Theia LLC
- 3:00 p.m. "The Challenges of PFAS in Pulp & Paper Industry," George Hollerbach, PE, BCEE, Senior Principal, Geosyntec Consultants
- 3:30 p.m. "PFAS Removal at the Point of Use," Stephen Wheeler, Senior Ion Exchange Technologist, Resin Tech, Inc.
- 4:00 p.m. "PFAS: Updates on Analytical Methods," Charles Neslund, Scientific Officer and PFAS Practice Leader, Eurofins Environment Testing America

Issues of Emerging Concern - Spring '23

(1:00 p.m. to 5:00 p.m.) (TCH Hours: 4 W&WW)
NJDEP No. 03-032319-30
CPWM No. NJWEA-DLGS-1300 Tech. 4 Hrs.
NYPE 4; NJPE 4

Moderators: Adam T. Minichelli, PE,
Project Manager III, CDM Smith
Emily R. Zidanic, Wastewater Program Engineer,
Cape May County Municipal Utilities Authority

- 1:00 p.m. "WaterWorks: Using Innovative Tools to Attract and Educate the Next Generation for Careers in Wastewater Utilities," Kausar Jahan, Professor and Head Civil Engineering, Rowan University
- 1:30 p.m. "Hidden Figures: A Case Study of Effective Leadership and Workforce Inclusion," Nicole Brown, PE, Client Development Manager, Suburban Consulting Engineers, Inc.

2:30 p.m. "Reducing Treatment Energy Costs Through Efficient Process Aeration," Bobby Ku, PE, Project Manager, Greeley and Hansen LLC, Jason McClafferty, PE, Project Engineer, Greeley and Hansen LLC and Jay Lovelass, PE, Technical Expert, Greeley and Hansen LLC

3:30 p.m. "PFAS Considerations for Wastewater Professionals and Understanding Potential Impacts to Wastewater and Biosolids," Kevin Custer, PhD, Program Manager, Emerging Contaminants, Pace Analytical Services, LLC

4:30 p.m. "PFAS in Wastewater: Promising Management and Treatment Strategies," Jay Surti, PE, East Regional Biosolids Leader, GHD

Exhibit Area Presentation - Pinch Valve Technology and Screw Centrifugal Pumps

(2:15 p.m. to 3:15 p.m.) (TCH Hours: 1 W&WW)
NJDEP No. 03-032320-30
CPWM No. NJWEA-DLGS-1301 Tech. 1 Hr.

Moderators: Roseann Pettrow, Sales Representative, G.A. Fleet/Fleet Pump, Inc.
Chuck Royer, Sales Representative, Dave Heiner Associates, Inc.

- 2:15 p.m. "Applications which Benefit from Pinch Valve Technology," Ryan McCaffrey, Dave Heiner Associates
- 2:45 p.m. "Screw Centrifugal Pumps Benefits and Applications," Ralph Carchia, Dave Heiner Associates

Ethics Considerations for Engineers – Spring 2023

(4:30 p.m. to 6:30 p.m.) (TCH Hours: 2 W&WW)
NJDEP No. 03-032321-30
CPWM No. NJWEA-DLGS-1302 Ethics 2 Hrs.
NYPE 2; NJPE 2

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

Instructor: Renard E. Barnes, Esquire, General Counsel and Chief Risk Officer, AJS Shared Services, LLC to PS&S

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 in the Eden Lounge at Harrah's Resort

(see Page 17)
(9:00 p.m. to ???)

Thursday, May 11, 2023

CSOs: Implementing LTCPs - Spring '23

Part I: NJDEP No. 03-032322-20 (TCH Hours: 3 WW)
CPWM No. NJWEA-DLGS-1302 Tech. 2 Hrs., Gov. 1Hr
NYPE 2; NJPE 3

Part II: NJDEP No. 03-032323-20 (TCH Hours: 3 WW)
CPWM No. NJWEA-DLGS-1304 Tech. 3 Hrs.
NYPE 3; NJPE 3

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

Moderators: Siying Wang, PE, Jacobs
William E. McMillin, Jr., PE, D.WRE, Jacobs

- 8:00 a.m. "NJ CSO Program Updates," Susan Rosenwinkel, Bureau Chief of Surface Water and Pretreatment Permitting, NJDEP and Joseph Mannick, Section Chief, NJDEP
- 9:00 a.m. "Chattanooga CSO LTCP - PAA Disinfection: Results are in!," Xavier Pedoux, Jacobs
- 9:45 a.m. "Evaluating Impacts of Green Infrastructure Implementation on CSO Volume," Kimi Artita, PhD, PE, CDM Smith and Rajesh Rajan, CDM Smith
- 10:15 a.m. "CSOs - You're Going Down! The St. Louis Journey to Utilize Optimization and RTC to Improve Operations and Water Quality," Priyadarshini Balasubramanian, Jacobs

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. "Combining Techniques for Combined Sewer Management Darien Crossing Retrofit," Micah Shapiro, Client Solutions Manager, Resource Environmental Solutions
- 2:00 p.m. "Regional Combined Sewer Separation - Challenges and Lessons Learned," Stephanie Cuthbert, Principal, Remington & Vernick Engineers
- 2:45 p.m. "State-of-the-Art Point Source and LTCP Debris Collection, Removal and Tertiary Treatment Systems for the Reduction of Organic and Inorganic Pollutants," James Impero, Senior Engineering Specialist, Ovivo USA, LLC
- 3:30 p.m. "LTCP Implementation," Alex Renner, Project Engineer, eDesign Dynamics

Safety Workshop - Spring 2023

(8:15 a.m. to 2:00 p.m.) (TCH Hours: 4.0 Safety)
NJDEP No. 03-032324-31
CPWM No. NJWEA-DLGS-1305 Tech.: 4 Hrs.

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

Moderators: Daren DiFonzo, NJWEA Safety Committee Co-Chair and President of Certified Health and Safety Services, LLC
Rick Stafford, NJWEA Vice Chair

- 8:15 a.m. "Slips, Trips and Falls on Walking and Working Surfaces - OSHA 29 CFR 1910.21 to .30," Daren DiFonzo, Owner of Certified Health and Safety Services, LLC
Many workers get injured or die from slips, trips or falls on walkways and working surfaces. Unfortunately, in most cases they are 100% preventable. Well surprisingly enough or not, OSHA has had a great policy and procedure in place for years. There is a simple approach to eliminating the hazards. This program will discuss and highlight the ways we can make our work place a safer place and eliminate the potential for a mishap.

9:45 a.m. BREAK

11:00 a.m. "Personal Protective Equipment (PPE) - OSHA 29 CFR 1910.132," John McShane, Safety Equipment Representative, Pendergast Safety Products

A short down and dirty powerpoint presentation of the proper wear, use and care of different types of PPE.

12:00 p.m. LUNCH

12:30 p.m. Continued..."PPE," John P. McShane, Sales Representative for Pendergast 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, handle, touch, try on and talk about session.

Joint MABA/NJWEA Biosolids Workshop - Spring 2023

(8:30 a.m. to 4:00 p.m.) (TCH Hours: 5.5 WW)
NJDEP No. 03-032325-20
CPWM No. NJWEA-DLGS-1306 Tech. 5.5 Hrs.
NYPE 5; NJPE 5

Moderators: Julian Chianelli, P.E., Senior Associate, Hazen and Sawyer
Bob Carlson, Executive Director, Cumberland County Utilities Authority

- 8:30 a.m. "The Opportunity for WRRFs to Advance Regional GHG Reduction Goals," Jay Surti, PE, East Regional Biosolids Leader, GHD
- 9:00 a.m. "Technology Demonstration and Cost Analysis for PFAS Destruction in Biosolids," Mohammad Abu-Orf, Hazen and Sawyer and Micah Blate, Hazen and Sawyer
- 9:30 a.m. "NYCDEP Biosolids Master Plan," Paul Knowles, PhD, Hazen and Sawyer, NYCDEP
- 10:00 a.m. "Ultra-High Temperature Gasification for Biosolids Treatment, PFAS Destruction & Hydrogen Production," Jeff Snyder, Product Manager - Biosolids & Gasification, Heartland Water Technology and Brandon Davis, Engineering Leader - Biosolids & Gasification, Heartland Water Technology
- 10:30 a.m. "Incineration: Current and the Future," Mike Hilton, IFCO
- 11:00 a.m. BREAK
- 1:00 p.m. "Cumberland County Composting - A Long Time," Elliot Pomerantz, Vice President, Synagro Rail
- 1:30 p.m. "Advanced Biosolids Management Through Pyrolysis," Ian Piro, Business Development Manager, Anergia
- 2:00 p.m. "Biogas Conditioning System," Regina Hanson, Varec
- 2:30 p.m. "Hydrothermal Carbonization at the Borough of Phoenixville Wastewater Treatment Plant," Jeremy Taylor, Chief Sustainability Officer, SoMax Circular Solutions
- 3:00 p.m. "Optimizing Polymer Activation for Improved Dewatering: Following the Science," Yong Kim, Technical Director, UGSI Solutions, Inc.
- 3:30 p.m. "High Temperature Pyrolysis (HTP) Converts Biosolids into PFAS-Free Biochar and Renewable Energy," Andrew Friedenthal, Director of Business Development, CharTech Solutions

Collection System Operators' Workshop '23

(8:45 a.m. to 4:00 p.m.) (TCH Hours: 5 WW)

NJDEP No. 03-032326-20

CPWM No. NJWEA-DLGS-1307 Tech. 3, Mgmt. 2 Hrs.

Moderators: Robert Snyder, Executive Director, PARSA
Basil D'Armiento, CDM Smith

- 8:45 a.m. Introduction to Program and Collection System Committee Updates
- 9:00 a.m. "The Silver Gray Tsunami," Rhonda Harris, PE, Brown and Caldwell
- 9:30 a.m. "Operator's Certification and Licensure - Challenges for Utilities," Robert Shertenlieb, Ocean County Utilities Authority
- 10:15 a.m. "Succession Planning Discussion," Basil D'Armiento, CDM Smith and Robert Snyder, PARSA
- 11:00 a.m. BREAK
- 1:00 p.m. "Optimizing GIS Data-Case Study," Christina Hickok, Johnson, Mirmiran & Thompson, Inc.
- 1:40 p.m. "Latest in High Performance Repair Polymer Technology," Kevin Fisher, ENECON Corp.
- 2:20 p.m. "Preventing Flushable Wipe Clogs in Smaller Collection Systems," Charles Wilson, Duperon Corporation
- 2:50 p.m. "Sewer Whisperer," Joe Krudys, Smart Cover Systems
- 3:20 p.m. "Advanced Vibration Troubleshooting of Pumps and Blowers in Water and Wastewater Applications and How to Avoid Installing Problems to Begin With," Tim Lebo, Mechanical Solutions, Inc.

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Industrial Wastewater Operator Workshop - Spring 2023

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

NJDEP No. 03-032327-20

CPWM No. NJWEA-DLGS-1308 Tech. 5 Hrs.

Moderators: Adewale Akinokun, Assistant Industrial Pretreatment/Laboratory Manager, Joint Meeting of Essex and Union Counties
Lance Salerno, National O&M Practice Leader, Brown and Caldwell

- 9:00 a.m. "Back to the Basics - A Holistic Approach to Industrial Wastewater Treatment," Danielle Sharp, Client Care Coordinator/Senior Microbiologist, Environmental Business Specialists, LLC
- 10:00 a.m. "Which Blower Technology Fits Your Application?," Chad Barfoot, Sales Manager, Blower/Low-Pressure-East Region, Atlas Copco Compressors LLC
- 10:30 a.m. "Control Algae Ultrasonically Without Chemicals for Effluent Clean Water Delivery," George Hutchinson, Chief Technology Officer, WaterIQ Technologies
- 11:00 a.m. BREAK
- 1:00 p.m. "Integration of Bioaugmentation in Remote Facultative Lagoons," Dimitrios Chrysochoou, Technical Director, Tradeworks Environmental
- 1:30 p.m. "Batch Adsorption Studies of Heavy Metals and Phenols from Wastewater Byproduct of Hydrothermal Liquefaction of Beverage Waste Using Granular and Powdered Activated Carbon," Oluwayinka Adedeji, PhD Student, Civil and Environmental Engineering, Rowan University

- 2:00 p.m. "Improving Field Mobility and Digital Record Keeping with GIS," Kenneth de Groh III, Project Engineer, Suburban Consulting Engineers, Inc. and Michael T. Kolody, GISP, GIS Department Manager, Suburban Consulting Engineers
- 3:00 p.m. "The Kidney Stones of Wastewater Treatment: Strategies for Struvite Mitigation, Control and Prevention," Swagata Biswas, Associate Vice President/Project Manager, Carollo Engineers
- 3:30 p.m. "Asset Management," John Lewyta, PE, BCEE, Senior Project Manager, Colliers Engineering and Design

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Nutrient Removal - Spring 2023

Part I: NJDEP No. 03-032328-20 (TCH Hours: 2 WW)

CPWM No. NJWEA-DLGS-1309 Tech. 2 Hrs.

NYPE 2; NJPE 2

Part II: NJDEP No. 03-032329-20 (TCH Hours: 3 WW)

CPWM No. NJWEA-DLGS-1251 Tech. 3 Hrs.

NYPE 3; NJPE 3

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

Moderators: Gabrielle Moore, PE, Passaic Valley Sewerage Commission
Lavanya Ramasubramanian, PE, DELCOR

- 9:00 a.m. "Biological Metabolic Processes and Nutrient Removal," Howie Pearson, Biochemist, Quorum
- 10:00 a.m. "Resource Recovery via Cranberry Syrup Waste and Carbon Balance in a Sidestream Enhanced Biological Phosphorus Removal (S2EBPR) Demonstration Facility: An Experimental and Modeling Study," Fabrizio Sabba, PhD, Process Engineering Associate, Black & Veatch
- 10:30 a.m. "Achieving Enhanced Nutrient Removal with AquaNereda(r) Aerobic Granular Sludge Technology," Joe Tardio, Product Manager, AquaNereda, Aqua-Aerobic Systems, Inc.

11:00 a.m. BREAK

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

- 1:00 p.m. "Basics and Best Practices of Enhanced Bio-P Removal: What You Can and Cannot Control," Nick Baczewski, Product Manager, Ovivo
- 2:00 p.m. "Buena Borough MUA's WWTP - A Pinelands Memorandum of Agreement Success Story," Dennis Yoder, PE, PP, CME, LEED AP, Executive Vice President, Director of Engineering, Remington & Vernick Engineers and Monica Bell, Project Permitting Engineer, Remington & Vernick Engineers
- 2:30 p.m. "Aerated Lagoon Upgrade," Tim Daily, PE, Pennoni Associates
- 3:00 p.m. "Facility Planning for Nutrient Removal Using Proactive Testing of Innovative Technologies," Sean McKelvey, Engineering Supervisor, Philadelphia Water Department and Jacob Metch, Water/Wastewater Engineer, HDR, Inc.
- 3:30 p.m. "Mechanisms of Nitrogen Removal in Post Aerobic Digestion-Acclimated Biomass," Fabrizio Sabba, PhD, Process Engineering Associate, Black & Veatch

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Thursday, May 11, 2023

Friday, May 12, 2023

Exhibit Area Presentation - How's Your Flow - How to Size and Select the Proper Flowmeter for Your Application

(11:30 a.m. to 12:30 p.m.) (TCH Hours: 1 W&WW)
 NJDEP No. 03-032330-30
 CPWM No. NJWEA-DLGS-1311 Tech. 1 Hr.

Moderators: Roseann Pettrow, Sales Representative,
 G.A. Fleet/Fleet Pump, Inc.
 Chuck Royer, Sales Representative,
 Dave Heiner Associates, Inc.

11:30 a.m. How's Your Flow - How to Size and Select the Proper Flowmeter for Your Application," Tony Coppola, PCS Process

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



Grand Finale Reception

(7:00 p.m. to ???)
 See Page 4 for more information

Get Involved with the NJWEA!



Joining a committee is a good way to advance your knowledge and to share your experience with others. On the right is a list of NJWEA's Technical and Educational Committees. The Technical group of committees allows members with special expertise in a particular area of interest to join together to bring focus to the issues and to develop public education and training programs specific to the topic.

For more information, use the contact information provided for the Committee Chairs on the list.

Committee	Chair	Email
Biosolids & Energy	Julian Chianelli	jchianelli@hazenandsawyer.com
Co-Chair	Bob Carlson	bcarlson@ccua.info
Collections Systems	Louis Lambe	llambe@pvsc.com
DRBC Tech Advisory	Christopher Jepson	cjepson@vcea.org
Education & Training	Christopher Hoffman	choffmanjr@aol.com
GIS/Asset Management	Brian Brach	brian.brach@mrrsa.org
Industrial Environmental Quality	Natalie Pisarcik	nataliep@rvrsa.org
Information Technology	Jim De Block	jdeblock@njwea.org
Laboratory	Jennifer Marques	jmarques@pvsc.com
Legislative Analysis	Dennis Palmer	dpalmer@landis sewerage authority.com
Library and Archives	Tom Greci	tg-ecm@att.net
Membership	Lisa Oberreiter	lisaoberreiter@yahoo.com
Mini Workshops	Carrie-Anne Lyons	clyons@lyonsenvironmental.com
Operations Challenge	Keith Wagner	wagnerkc@cmcmua.com
Professional Engineers	Jim Wancho	jwancho@psands.com
Program	Michael Hope	mhope@greeley-hansen.com
Publications	Greg Burde	Gregory.burde@tctechllc.com
Public Education	Jennifer Marques	jmarques@pvsc.com
Co-Chair	Thomas Meholic	meholic.thomas@gmail.com
Safety	Harry Smith Jr.	chss@comcast.net
Seminar and Technology Transfer	Christopher Pabst	cpabst@jmeuc.com
Co-Chair	Joanne Mancuso	jmancuso@parsippany.net
Stormwater	Nicole Joy	njoy@kleinfelder.com
Young Professionals	Brian Carey	brian.carey96@gmail.com

New Jersey & 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 Registration Policy Changes

For close to 20 years, the NJWEA included the cost of membership in the non-member registration rates for its conference, courses and seminars. We felt, and still feel, that the overall benefit of NJWEA membership is a value-added advantage for many of us both professionally and socially. The benefit of membership is especially valuable for environmental professionals needing continuing education training credits. Many of our members with no continued education training requirements find value in NJWEA membership. For some, however, the added cost of WEF/NJWEA membership proves to be a cost burden.

With that said, the NJWEA is offering a third registration option. The new registration structure will include the two traditional rates; member rate and non-member or renewal membership rate (including the cost of WEF/NJWEA membership) options. The third option will be a non-member/no-membership required rate. That rate will be higher than the member rate, but much less than the WEF/NJWEA membership included rate. You can choose the rate that best suits your needs; however, there are considerations outside of the cost savings alone that should be considered.

For more information regarding the considerations outside of the cost savings alone when determining which registration option to select, please contact any member of the NJWEA Executive Committee.

The choice will be yours to decide; however, in addition to the "simple math," you will have to include the intangible benefits to membership with the NJWEA.

NJWEA PROGRAM COMMITTEE ROSTER

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

Adewale Akinokun
Thomas Amidon
L. Ceren Aralp, PE
Maria Bausch, PE
Stephen Blankenship, PE
Francis Bonaccorso
Joseph Bonaccorso
Brian Brach, PE
Robert Carlson
Julian Chianelli, PE
John Corkery
James Cosgrove, Jr., PE
Basil D'Armiendo
James De Block
Daren DiFonzo
Marques Eley, PE
Richard Erickson
Colin Ferguson
Brian Friedlich
Thomas Greci
Jeff Heiner
Chris Hoffman
Nicole Joy
Harry Ladisheff
Louis Lambe
Thomas Laustsen, PE
Samantha Liccketto
Sheldon Lipke, PE
Christopher Manak
David Marabello, PE
Jennifer Marques
William McMillin
John McNamara
John Mele
Keith Merl
Adam Minichelli, P.E.
Gabrielle Moore, PE
William Muszynski, PE
Christopher Nally
Peter Nese
James Neville
Lisa Oberreiter
Thomas L. Patterson, PE
Roseann Pettrow
Natalie Pisarcik
Joseph Polomene, PE
Manuel Ponte, PE
Lavanya Ramasubramanian, PE
John Reardon, Jr.
Michael Roy, PE
Chuck Royer
Stephen Rozewski
Joseph Russell
Lance Salerno
Harry Smith, III
Robert Snyder
Rick Stafford
Andrew Stein
Peter Strom, PhD
William Suchodolski, PE
Jay Surti, PE
William Toffey
David Vaccari
Ramone Vara
Siyang Wang, PE
Jeffrey Williams
Roman Wisniewski
Steven Yergeau, PhD
Emily Zidanic

AEE/NJWEA Wes Eckenfelder Memorial Breakfast at the NJWEA's 108th Annual Conference

(TO REGISTER, CIRCLE THE BREAKFAST ON PAGE 3 OF THIS FLYER UNDER PRE-CONFERENCE REGISTRATION)

Tuesday, May 9, 2023

Martorano's Restaurant in Harrah's Resort
7:00 a.m. - 8:15 a.m.

\$38.00/person; On-Site Cost: \$41.00/person

Harrah's Resort Buffet Includes:

Juice, Applewood Smoked Bacon, Fluffy Scrambled Eggs, Potatoes O'Brien,
Assortment of Fresh-Baked Pastries, Muffins and Croissants,
Coffee and Assorted Hot Tea Selections and Iced Tea

TOPIC: "SOLIDS + SEDIMENTS = A CAREER IN THE MUD"

Speaker: Chris Uchrin, PhD, PE, Rutgers University

1 HOUR NYPE/PAPE/NJPE CREDIT & OPERATOR W/WW CEU

The 38th Annual Peter A. Nese Prayer Breakfast

Wednesday, May 10, 2023

Martorano's Restaurant in Harrah's Resort
7:15 a.m. - 8:30 a.m.

Member's Cost: \$38.00/person; On-Site Cost: \$41.00/person

Harrah's Resort Buffet Includes:

Juice, Applewood Smoked Bacon, Fluffy Scrambled Eggs, Potatoes O'Brien,
Assortment of Fresh-Baked Pastries, Muffins and Croissants,
Coffee and Assorted Hot Tea Selections and Iced Tea

TOPIC: "AFTER THE SMOKE CLEAR'S WITH GOD'S GRACE AND GLORY"

**Harry L. Ladisheff, Operator,
Bayshore Regional Sewerage Authority**

Any questions, please call

Pete Nese at (732) 887-1156 or Michael Roy at (732) 679-8565.

Prayer Breakfast Registration Form

(OR JUST CHECK THE BOX ON PAGE 3 UNDER THE SPECIAL EVENTS TICKETS)

PLEASE PRINT CLEARLY

MAKE CHECK PAYABLE TO "NJWEA" AND MAIL TO:

Debbie Cardena, Registrar NJWEA
P.O. Box 737, Woodland Park, NJ 07424
Phone: (973) 239-9200 • Fax: (973) 239-9239
E-Mail: dcardena@NJWEA.ORG

Name _____ Phone (____) _____ Fax (____) _____

Billing Address _____ City _____ State _____ Zip _____

E-Mail _____

Name _____ \$38.00 x _____ = \$ _____

Name _____ \$38.00 x _____ = \$ _____

TOTAL \$ _____

Check No. _____ Credit Card No. _____

Exp. Date _____ CV2 # (The 3-digits on the signature area of the card or 4 digits on the front of the AMEX card) _____

SIGNATURE _____



Hotel Information

Harrah'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 Group Reservations (ACgroupreservations@harrahs.com).

Or you may call 888-516-2215, 8 a.m. - 2 a.m., EST, 7 days a week and mention Group Code SH05WE3. All callers will be asked for this code but can also book by saying "NJWEA 2023" or on-line at:

<https://book.passkey.com/go/SH05WE3>

Internet rates are not valid with, during or in conjunction with other Discount programs, including corporate group and junket programs. All rates are currently subject to 13.625% tax plus \$5.00 per room per night lodging fee (subject to change without notice) that may not be reflected in the total cost. Prior to confirmation, all rates are subject to change without notice and based upon limited availability. A daily resort fee (subject to applicable tax) will be added to your reservation upon check-in. The resort fee includes the following services: In-room Basic Wi-Fi each day (TWO DEVICES PER DAY), Local Calls and \$5.00 towards Self-Parking. Prior to confirmation, all rates are subject to change without notice and based upon limited availability.

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 15 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:

Harrah's Resort AC
777 Harrah's Blvd • Atlantic City, NJ 08401
Attn: Linda/Paola-Front Desk
(609) 441-5738



NJWEA "Battle by the Bay" - 2023 OPERATIONS CHALLENGE May 8 & May 9

Come Join Us at the NJWEA 2023 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 108th Annual Conference and Exposition in Atlantic City, NJ in the Prefunction Area of Harrah's Resort. The dates for Battle by the Bay are May 8 and May 9, 2023. 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. 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 2023. 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 by the Bay Coordinator
(609) 839-2687
katherinecollinge@landis sewerageauthority.com

8th ANNUAL "GO WITH THE FLOW" 5K RUN/WALK

Tuesday Morning, May 9, 2023

The Young Professionals Committee will be hosting the 8th annual "GO WITH THE FLOW" 5K RUN/WALK on Tuesday morning, May 9, 2023, at the Art Walk at Harrah's Resort, Atlantic City, NJ. For more information and to register on-line go to:

https://www.memberleap.com/members/evr/reg_event.php?orgcode=NJWE&evid=34669041

No registration by mail or fax.

THE SLUDGE BOWL 2023

Wednesday Evening, May 10th

The Young Professionals Committee will again be hosting the "SLUDGE BOWL" at the Annual Conference in Atlantic City. Please join us Wednesday, May 10th at 9:00 pm in the Eden Lounge at Harrah's Resort for Karaoke, t-shirt giveaway and fellowship!

For more info Contact:

Brian Carey at brian.carey96@gmail.com

In addition:

*The Young Professionals' Speaker Challenge winners will be recognized on Friday, May 23th at the closing breakfast.

Contact Richard Eustace
(reustace@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.

NJWEA PRESIDENT'S AWARD RECEPTION Monday, May 8, 2023 at 5:00 p.m.