

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.
- 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 5, 2016 or onsite Registration Rates will apply. Checks should be made payable to NJWEA in US Funds.
- Groups of (10 or more paid Registrants), please contact the Registrar for details on group registrations.
- 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 Lunch for the Registration Day, Complementary Exhibit Luncheon Reception On Thursday
 - Exhibit Area Raffle Drawings on Thursday Only
- 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 for the Registration Day, Complementary Exhibit Luncheon Reception On Thursday
 - Exhibit Area Raffle Drawings on Thursday Only
- Spouse or Retiree Registrations – Full conference or Daily Registrations, Tuesday, Wednesday or Thursday
 - Admittance to the Exhibit Area on the Registration Day **TECHNICAL PROGRAMS EXCLUDED**
 - Coffee Breaks and Exhibit Area Social Functions each day
 - Exhibit Area Lunch for the Registration Day, Complementary Exhibit Luncheon Reception On Thursday
 - Exhibit Area Raffle Drawings on Thursday Only
 - All Spouse Events as listed in the accompanying brochure for the Registration Day
- All Other Complementary Admittance to the Exhibit Area **THURSDAY ONLY. TECHNICAL PROGRAMS EXCLUDED.**
 - Coffee Breaks and Exhibit Area Social Functions each day
 - Exhibit Area Sandwich Ticket for the Registration Days
 - Exhibit Area Lunch for the Registration Day, Complementary Exhibit Luncheon Reception On Thursday
 - Exhibit Area Raffle Drawings on Thursday Only

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 May 2, 2016 or received at the NJWEA office after the close of business on May 5, 2016 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 May 5, 2016.

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	8:30 AM	4:15 PM	AAEES Workshop (NY-NJ PE)	_____
PC-2	Mon. & Tue.	9:00 AM	4:30 PM	WEF GIS & Asset Management (NY-NJ PE)	_____
PC-3	Monday	9:00 AM	4:00 PM	Drivers Safety Program	_____
PC-4	Monday	1:00 PM	4:00 PM	Engineering a Solution (NY-NJ PE)	_____
PC-5	Tuesday	7:00 AM	8:15 AM	AAEES/NJWEA Breakfast (NY-NJ PE)	_____
PC-6	Tuesday	8:30 AM	4:30 PM	8-Hour HAZWOPER Refresher	_____
PC-7	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 16 of this Flyer. Most courses also qualify for PA PE continuing education (see Page 16 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	1:15 PM	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	Resiliency Planning and Design (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	Energy Recovery and Conservation (NY-NJ PE)	_____
7	Tuesday	1:30 PM	4:00 PM	Instructor’s Workshop	_____
8	Tuesday	2:00 PM	4:00 PM	Pumps and SCADA (Exhibit Area)	_____
9	Tuesday	2:00 PM	4:30 PM	Innovative Technology Forum (NY-NJ PE)	_____
10	Wednesday	8:00 AM	3:00 PM	Maintenance Workshop (JDOW)	_____
11	Wednesday	9:00 AM	4:00 PM	Student Session	_____
12	Wednesday	9:30 AM	12:00 PM	Plenary Session	_____
13	Wednesday	1:00 PM	4:00 PM	Professional Engineer’s Program (NY-NJ PE)	_____
14	Wednesday	1:00 PM	4:00 PM	Industrial Wastewater Management (NY-NJ PE)	_____
15	Wednesday	1:00 PM	5:00 PM	Issues of Emerging Concern (NY-NJ PE)	_____
16	Wednesday	1:00 PM	5:00 PM	Instrumentation and Controls (NY-NJ PE)	_____
17	Wednesday	2:00 PM	5:00 PM	ICS 100/NIMS700 Basics of Incident Command	_____
18	Wednesday	2:00 PM	4:30 PM	Watersheds: Projects Program (NY-NJ PE)	_____
19	Wednesday	2:15 PM	3:15 PM	UV Wastewater (Exhibit Area) (NY-NJ PE)	_____
20	Wednesday	4:30 PM	6:30 PM	Ethics Considerations for Engineers (NY-NJ PE)	_____
21	Thursday	8:00 AM	11:00 AM	Nutrient Removal (NY-NJ PE)	_____
22	Thursday	8:00 AM	11:00 AM	CSO Developing a Green Plan Part 1 (NY-NJ PE)	_____
23	Thursday	1:00 PM	4:00 PM	CSO Developing a Green Plan Part II (NY-NJ PE)	_____
24	Thursday	8:00AM	4:00 PM	Safety Workshop (JDOW)	_____
25	Thursday	8:30 AM	4:00 PM	MABA/NJWEA Biosolids Session (NY-NJ PE)	_____
26	Thursday	9:00AM	4:00 PM	Industrial Operators Workshop (JDOW)	_____
27	Thursday	9:00 AM	4:00 PM	Collection Operators Workshop (JDOW)	_____
28	Thursday	11:30 AM	12:30 PM	Process Screening (Exhibit)	_____

REGISTRATION FORM – PART TWO

**The John J. Lagrosa 101st ANNUAL CONFERENCE and EXPOSITION
of the NJWEA, May 16 - May 20, 2016**

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 fee or place and X next to each registration choice and sum totals. (Calculate fees using only ONE Non-Member Fee)

PLEASE PRINT CLEARLY. A TWO PAGE REGISTRATION FORM MUST BE COMPLETED FOR EACH REGISTRANT.

***NOTE: NON-MEMBER REGISTRATIONS INCLUDE ONE YEAR ACTIVE OR PWO MEMBERSHIP IN THE NJWEA AND WEF, EXCEPT REGISTRATIONS FOR THE WEF GIS – ASSET MANAGEMENT WORKSHOP, WHICH DOES NOT INCLUDE MEMBERSHIP.**

	<u>Pre-Registration</u>		<u>On-Site Registration</u>		<u>TOTAL</u>
	Member	Non Member*	Member	Non Member*	
<u>PRE-CONFERENCE REGISTRATION AND SPECIALTY REGISTRATION</u>		Or Renewal (ACTIVE)		Or Renewal (ACTIVE)	
• AAEES Workshop	\$235.00	NA	\$266.00	NA	
• WEF GIS - Asset Management Workshop	\$299.00	\$339.00*	\$399.00	\$449.00*	
• Driver Safety	\$135.00	\$300.00	\$187.00	\$352.00	
• Engineering a Solution Seminar	\$ 60.00	\$225.00	\$ 65.00	\$230.00	
• AAEES/NJWEA Wes Eckenfelder Breakfast	\$ 27.00	NA	\$ 30.00	NA	
• Hazardous Waste Seminar, 8-Hr OSHA	\$ 106.00	\$271.00	\$127.00	\$292.00	
• PWO Membership Discount <u>If Eligible</u>		-\$ 62.00		-\$ 62.00	
<u>Pre-Conference Registration Sub-Totals</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u> = <u> </u>
	A	B	C	D	= A+B+C+D

	<u>Pre-Registration</u>		<u>On-Site Registration</u>		<u>TOTAL</u>
	Member	Non Member	Member	Non Member	
<u>CONFERENCE REGISTRATION</u>		Or Renewal (ACTIVE)		Or Renewal (ACTIVE)	
• Full Registration (See Page 1 for Description)	\$368.00	\$533.00	\$410.00	\$575.00	
• One Day Registration –Tuesday Only	\$ 77.00	\$242.00	\$117.00	\$282.00	
• One Day Registration –Wednesday Only	\$ 77.00	\$242.00	\$117.00	\$282.00	
• One Day Registration –Thursday Only	\$ 77.00	\$242.00	\$117.00	\$282.00	
• Exhibit Area Only – Thursday Only	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	
• PWO Membership Discount <u>If Eligible</u>		-\$ 62.00		-\$ 62.00	
<u>Conference Registration Sub-Totals</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u> = <u> </u>
	A	B	C	D	= A+B+C+D

	<u>Pre-Reg. Cost</u>		<u>Onsite Cost</u>		<u>Extended Amount</u>
	Number				
<u>SPECIAL EVENTS TICKETS ONLY</u>					
Monday Presidents Awards Reception	<u> </u> <u>x</u>	\$ 30.00 or	\$ 35.00 =	<u> </u>	
Tuesday Evening Meet & Greet	<u> </u> <u>x</u>	\$ 80.00 or	\$ 90.00 =	<u> </u>	
Wednesday Prayer Breakfast	<u> </u> <u>x</u>	\$ 27.00 or	\$ 30.00 =	<u> </u>	
Thursday Grand Finale Reception	<u> </u> <u>x</u>	\$ 80.00 or	\$ 90.00 =	<u> </u>	
Friday Closing Session/Breakfast	<u> </u> <u>x</u>	\$ 27.00 or	\$ 27.00 =	<u> </u>	
<u>Special Events Sub-Total Amount</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Pre-Conference Registration Sub-Total Amount Due: _____
Conference Registration Sub-Total Amount Due: _____
Special Events Sub-Total Amount Due: _____

Lost Badge Fee \$117.00 – PER DAY

CANCELLATIONS
 Cancellations must be in writing.
 No phone calls will be accepted.
 A 25% charge for cancellations made prior to 05/04/16.
 Absolutely no refunds will be made after that date.

TOTAL AMOUNT DUE: _____
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 -- E-Mail: dgalbraith@NJWEA.ORG

BALLY's ROOM RESERVATIONS, PLEASE CALL (888) 516-2215, ASK FOR NJWEA GROUP CODE SBWET6.
REGISTRATION FORM **NJ Tax ID # 22-184-162**

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: ___/VISA ___MASTERCARD CARD NO. _____

EXP. DATE _____ **CVV2 #** (The last 3-digits on the signature area of the card) _____

SIGNATURE _____

Spouses get together for Coffee Weds 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 6th Floor at the Bally's Diamond Club at 7:00 pm to 10:00 pm on Tuesday night, May 17, 2016. 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

Join us at Bally's for the Annual Grand Finale on Thursday evening, May 19, 2016. This year your Conference Committee invites you to attend: "THE GODFATHER'S MESHUGGENER WEDDING," a Jewish/Italian Comedy Wedding Extravaganza presented by the New York Dinner Theater. For more information, see Page 15.

NOT ONE, NOT TWO, BUT MULTIPLE DRAWINGS FOR iPADS – MORE INFORMATION 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 PEDDLERS CHALLENGE and SLUDGE BOWL"

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 18, 2016 at 3:30 PM. This is a shout out to Manufacturers' Representatives, Consulting Engineers, Contractors or anyone desiring to form a team to compete. Contact Chuck Royer, CRoyer@daveheinerassoc.com, to express your interest. Three teams will compete. The Victors will have bragging rights and all contestants will receive lovely parting gifts.

Then there's the SLUDGE BOWL Karaoke at Mountain Bar in Bally's Wild, Wild West Casino (see page 18) Wednesday, May 18, 2016 (10:00 p.m. to ???)

"NJWEA COLLEGE OF ENVIRONMENTAL KNOWLEDGE"

Visit the Exhibit Area on Thursday, May 19, 2016 at 11:00 a.m. 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 at 12:45 p.m.

CONFERENCE ACTIVITIES INCLUDE

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

COMMITTEE	CHAIRPERSON
Executive	Richard D. Eustace
Awards	Rocco J. Maiellano
Biosolids	Thomas Lauletta
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 Schneckloth, P.E.
Information Mgmt. & Technology	James De Block
Laboratory	James Neville
Membership	Robert Sokolowski
Operations Challenge	John Reardon
Professional Engineering Program	James Wancho, P.E. Michael J. Hope, P.E.
Publications	Tom Greci
Public Education	Tom Meholic
Safety	Harry E. Smith, Jr.
Scholarships Awards	Dr. Peter Strom, PhD.
Site Remediation	Joseph Fallon & Peter Postorino
Young Professionals	Megan Livak & Alyson Lee

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

MONDAY, May 16

- NJWEA President's Award Reception at 5:00 p.m.

TUESDAY, May 17

- 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 18

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

THURSDAY, May 19

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

FRIDAY, May 20

- Breakfast Buffet - Raffle

**The 39th Annual NJWEA
"Water for People Golf Outing"**

Date: MONDAY May 16, 2016
Place: BLUE HERON COUNTRY CLUB
Tee Off: 9:00 am Shotgun Start-Scramble Format
Carts Mandatory & Included in Fee
Fee: \$115 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

Donation 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 1st and 2nd Place
- Longest Drive
- Closest to the Pin

Note: Net profit to be donated to "Water for People"

Please Reply By April 20, 2016

For Room Reservations – 1-888-516-2215 – Identify- Group Code-SBWET6-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 No. (____) _____

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 MEMBERS MAY REGISTER)

I will attend: (PAID BREAKFAST (REGISTERED WILL RECEIVE THE NEW 100 YEAR SHOVEL)

Sludge Shoveler's Breakfast - Thursday at 6:45 a.m.

\$27.00

**NOTE: ADD \$ 3.00 FOR ONSITE TICKET
PURCHASE FOR EACH EVENT**

Golden Manhole Society Lunch - Tuesday at 12:00 noon

\$32.00

Name _____ Phone (____) _____ Fax (____)

Address _____ City _____

Employer _____ Check No. _____

_____/VISA _____ MASTERCARD EXP. DATE _____

CARD No. _____ SIGNATURE _____

MAKE CHECK PAYABLE TO "NJWEA" AND MAIL TO:

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

CANCELLATIONS

Cancellations must be in writing. No phone calls will be accepted. A 25% charge for cancellations made prior to 04/30/16. Absolutely no refunds will be made after that date.

On- Site REGISTRATION HOURS

SUN. 2:00 PM – 6:00 PM

MON. 7:30 AM – 5:15 PM

TUES. 6:45 AM – 5:00 PM

Credential Pick-up at Meet & Greet Door

WED. 7:30 AM – 4:00 PM

THUR. 7:30 AM – 12:00 NOON

NJWEA OFFICERS

Richard D. Eustace, President

Robert J. De Block, Vice President

Bruce D. Smith, Treasurer

John J. Lagrosa, Executive Director

CONFERENCE MANAGER

John J. Lagrosa – (201) 296-0021

EXHIBIT HOURS

TUES. 9:00 AM – 5:30 PM

WED. 9:00 AM – 5:30 PM

THUR. 10:00 AM – 2:00 PM

COLLECTION COMMITTEE

Louis C. Lambe, Chair

OPERATIONS CHALLENGE

John Reardon, Chair

Michelle Salfi, Spring Fling Coordinator

INDUSTRIAL COMMITTEE

John S. Schneekloth, PE, Chair

REGISTRATION COORDINATOR

DARLENE GALBRAITH

OFFICE: (973) 239-9200

FAX: (973)239-9239

EMAIL: Dgalbraith@njwea.org

LABORATORY COMMITTEE

Jim Neville, Chair

PROGRAM COMMITTEE

Michael J. Hope, Chair

SITE REMEDIATION COMMITTEE CO-CHAIRS

Joseph R. Fallon, REM and Peter Postorino,

CONFERENCE VICE CHAIRS

Henry Penley and Richard D. Eustace

The NJWEA 101st John J. (Jack) Lagrosa Annual Conference and Exposition Agenda at Bally's Atlantic City for May 2016 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 15 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-NJWEA GIS/Asset Management Workshop, AAES Workshop, Drivers Safety, Air Pollution, Hazwoper, Energy Recovery and Conservation, and much more.*****MONDAY, MAY 16, 2016****AAES WORKSHOP - Nutrient Recovery**

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

NJDEP Course No. 03-02 16 01 2-0

CPWM No. NJWEA-DLGS-910 Tech. 6 Hrs.

NYPE 6; NJPE 6

The environmental profession is typically concerned with protecting the environment from society's outputs – its wastes. The sustainability field shares this concern, but also deals with our inputs – resources. The recognition that wastes can be resources links these two fields. Wastewater is rich in resources we need, notably water itself, energy, and the subject of this workshop: Nutrients. If we link nutrient *removal* to protect water with nutrient *recovery* to reduce our dependence on resources, we gain a double benefit. At this workshop you will hear from experts on the sustainability issues and on the removal and recovery technologies that will turn our nutrient wastes into nutrient resources.

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

Jay R. Surti, PE, CH2M

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

8:45 a.m. “Global Cycles of Nitrogen and Phosphorus – Resources and Leaks,” David A. Vaccari, PhD, PE, BCEE, Stevens Institute of Technology

9:15 a.m. “Enabling Extractive Nutrient Recovery – A Disruptive Nutrient Management Strategy for a Circular Economy,” Samuel Jeyanayagam, PhD, PE, BCEE, CH2M and Wendell Khunjar, Hazen and Sawyer

9:45 a.m. “Recovery of Wastewater Nitrogen at Local-Scale: A Feasible Option?” Daniel Smith, Applied Environmental Technology (AET)

10:15 a.m. “The Economics of Phosphorus Recovery at Wastewater Treatment Plants,” David Kinnear, HDR

10:45 a.m. BREAK

11:00 a.m. “Simultaneous Recovery of Nitrate and Phosphorus with a Hybrid Ion Exchange Process,” Chelsey Shepsko, Lehigh University

11:30 a.m. “Towards a Zero Cost - Biorefinery Using a New Nutrient Recovery Model Library and Global Sensitivity Analyses,” Céline Vaneeckhaute, Selow-Sustainable Energy Low Waste, Université Laval, Ghent University

12:00 p.m. LUNCH

1:00 p.m. “Bang for the Buck: Which Interventions Best Conserve Phosphorus Resources?” David A. Vaccari, PhD, PE, BCEE, Stevens Institute of Technology

1:30 p.m. “Nutrient Recovery from Sewage Sludge Incinerator Ash,” Peter Burrowes, PEng, CH2M

2:00 p.m. “Lessons Learned from Applying Extractive Nutrient Recovery for Managing Phosphorus in Sidestreams and Biosolids,” Sara Galst, Hazen and Sawyer

2:30 p.m. “Nutrient and Energy Recovery in Decentralized Sustainable Water/Used Water/Energy Management of Future Cities,” Vladimir Novotny, AquaNova LLC

3:00 p.m. BREAK

3:15 p.m. “Industry Update for WASSTRIP on WRRF Nutrient Flows, Digestion and Dewatering of bio-P Sludge,” Michael Ditton, Ostara Nutrient Recovery Technologies

3:45 p.m. “Alternative Methods on Struvite Control,” Krish Ramalingam, The City College of New York

Alternate "Phosphate Recovery from Anaerobic Digester Effluents Using Dolomite Lime," Jie Ge, Stevens Institute of Technology

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

WEF-NJWEA GIS & Asset Management-1

(9:00 a.m. to 4:30 p.m.) (TCH Hours: 6 W&WW)

NJDEP Course No. 03-02 16 02 3-0

CPWM No. NJWEA-DLGS-911 Tech. 6 Hrs.

NYPE 5; NJPE 6

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

9:00 a.m. "Force Mains: The Challenging Assets," Bryon Livingston, PE, Senior Project Engineer, Black & Veatch

9:30 a.m. "Taking it to the Next Level: Predictive Models Based on Over 500 Miles of Force Mains," David Smith, PE, Senior Project Manager, Pure Technologies US, Inc.

10:00 a.m. BREAK

10:15 a.m. "Embracing New Inspection Technology," Eyad Mizian, Vice President, Louis Berger

10:45 a.m. "Road Map to Mobile Asset Management," Raghu "Paul" Panduragan, GISP, Hamilton Township MUA

11:30 a.m. "Emerging GIS Technologies that Support System Operations and Asset Management," Jayson Brennen, Vice President, CDM Smith

12:00 p.m. LUNCH

1:00 p.m. "New Jersey AIMS: Advanced and Integrated Menu of Strategies for Sustainable Sewer and Stormwater Systems," Jennifer Gonzalez, Principal Environmental Planner, Louis Berger and Chris Strum, Managing Director, New Jersey Future

1:45 p.m. "Sewer Modeling: How a Model Streamlines Decisions," Michael Rosh, Water Solutions Consultant, Bentley Systems

2:30 p.m. BREAK

2:45 p.m. "GIS: Enhancing Organizational Change," Kurt A. Croft, Operations Manager, Evesham MUA

3:30 p.m. "Financial Benchmarking," Stephen R. Blankenship, PE, Executive Director, Hamilton Township MUA

4:00 p.m. "Asset Management Round Table," Round Table to Discuss Emerging Issues, Touching Upon Topics from the GIS & Asset Management Session

Driver Safety

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

NJDEP Course No. 03-02 06 03 3-1

CPWM No. NJWEA - 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.

Engineering a Solution 2016- Assessment and Optimization to Improve Plant Efficiency

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

NJDEP Course No. 03-02 16 03 3-0

CPWM No. NJWEA-DLGS-912 Tech. 3 Hrs.

NYPE 3; NJPE 3

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

1:00 p.m. "Ultraviolet Disinfection - 100 Years and Still Ampin", Denis Rehse, UV Applications Engineer, PSI Process & Equipment

1:45 p.m. "Alkalinity Mass Balance and Alkalinity Recovery Options for a Partially Nitrifying Plant", Jurek Patoczka, PhD, PE, Vice President-Process Design, Hatch Mott MacDonald

2:30 p.m. "Converting Biogas into Energy and Vehicle Fuel," Eric Wilgenbusch, Sales & Application Engineer, Unison Solutions

3:15 p.m. "CREAT – Climate Resilience Evaluation and Awareness," Rina Dalal, EIT, T&M Associates, Inc. and Mike Ruppell, Executive Director, South Monmouth Regional Sewerage Authority

NJWEA President's Award Reception (5:00 p.m.)

TUESDAY, MAY 17, 2016

AAEES/NJWEA Wesley Eckenfelder Memorial Breakfast

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

NJDEP Course No. 03-02 16 04 2-0

CPWM No. NJWEA-DLGS- 913 Tech. 1 Hr.

NYPE 1; NJPE 1

7:00 a.m. "State-of-the-Art Recovery of Phosphorus from Wastewater," James L. Barnard, Black & Veatch

WEF-NJWEA GIS & Asset Management-2

(9:00 a.m. to 4:30 p.m.) 6.0 TCH Hours per day WW

NJDEP Course No. 03-02 16 05 3-0

CPWM No. NJWEA-DLGS-914 Tech. 6.0 Hrs.

NYPE 6; NJPE 6

Moderators: Aditya Ramamurthy, Hazen and Sawyer
Brian J. Brach, Manasquan River RSA

9:00 a.m. "Asset Management Levels of Service / Performance Measurements," Ryan Nagel, Hazen and Sawyer

9:30 a.m. "Rate Setting Related to Asset Management," Harold Smith, Raftelis Financial Consultants, Inc.

10:00 a.m. BREAK

10:15 a.m. "Financing Approaches to Asset Management," David Hyder, Hawksley

- 10:45 a.m. "Management Strategy Groups: Using Asset Data for Better Decision Making," Mert Muftugil, GHD
- 11:15 a.m. "Aligning Asset Management and Triple Bottom Line Principles to Deliver Successful Capital Improvement and Master Planning Efforts," David Sklar, Hawksley
- 11:45 a.m. Discussion
- 12:00 p.m. LUNCH
- 1:00 p.m. "Managing, Tracking and Reporting Asset Management Key Performance Indicators," Aditya Ramamurthy, Hazen and Sawyer
- 1:30 p.m. "The Lancaster Area Sewer Authority Asset Management Program – Home Grown Success for Small to Medium Sized Agencies," Mike Kyle, Lancaster Area Sewer Authority
- 2:00 p.m. "Asset Management, EMS and the SRF to Improve Operational Performance and Reduce Costs, Andrew Kricun, Camden County MUA
- 2:30 p.m. BREAK
- 2:45 p.m. "GIS and Asset Management in Hanover Township," Mike Wynne, Hanover Township
- 3:15 p.m. Asset Management at a Reasonable Price," Philip Tiewater, Opus International
- 3:45 p.m. Discussions and Wrap Up

Collection System Manager's Workshop

- (8:15 a.m. to 1:15 p.m.) (TCH Hours: 4.0 WW)
 NJDEP No. 03-02 16 06 2-0
 CPWM No. NJWEA-DLGS-915 Tech. 4 Hrs.
 Moderators: William T. Suchodolski, PE, Engineering Manager, OCUA
 Louis C. Lambe, Superintendent of Line Operations, PVSC
- 8:15 a.m. "Concrete Deterioration and Rehabilitation of Wastewater Assets," Randy Nixon, President, Corrosion Probe, Inc.
- 8:55 a.m. "Transient Analysis Challenges in Force Mains," Michael L. Altland, Vice President, Hatch Mott MacDonald
- 9:35 a.m. "Preserving the Great South Bay," Keith F. Kelly, PE, Senior Vice President, CDM Smith and John Donovan, PE, Chief Engineer, Suffolk County DPW
- 10:15 a.m. EXHIBIT AREA/BREAK
- 11:15 a.m. "Implementing Baltimore County's Sewer Line Rapid Assessment Tool (SL-RAT) Program," Paul Sayan, Associate Vice President, Louis Berger
- 11:55 a.m. "A State-of-the-Art Review on Innovative Technologies for Sewer Collection Systems," Jianfeng Wen, Research Analyst, American Water, Yunjie Tu, Yanjin Liu, Sr. Environmental Engineer, American Water
- 12:35 p.m. "Design and Operational Benefits of Horizontally Installed, Dry-Pit Centrifugal Electric Submersible Solids-Handling Pumps," Robert Domkowski, Engineering Consultant, Xylem, Inc. - Flygt
- 1:15 p.m. CERTIFICATE DISTRIBUTION

Laboratory Workshop

- (8:30 a.m. to 1:30 p.m.) (TCH Hours: 4 W&WW)
 NJDEP No. 03-02 16 07 3-0
 CPWM No. NJWEA-DLGS-916 Tech. 4 Hrs.
 Moderators: James Neville, Lab Manager, Cape May County MUA
 Chris Nally, President, American Aquatic Testing
- 8:30 a.m. "NJDEP Office of Quality Assurance Updates," Debra Waller, NJDEP Office of Quality Assurance
- 9:30 a.m. "How Do I Know the Data I Produce and Use is Reliable," Stacie Metzler, Lab Manager HRSD & WEF Laboratory Committee Chair
- 10:15 a.m. BREAK
- 11:15 a.m. "Fantasy Island - The Quest to Improve Water/Wastewater Training in the Maldives," Jim Borton, Senior Operations Specialist, CH2M
- 12:00 p.m. "Wreck Pond – A Case Study," Sheri Shifren, NJDEP Bureau of Marine Water Quality Management
- 12:30 p.m. "Measuring Chlorine Below 0.020 mg/l – SM4500 Cl-E," Shane Reed, Regional Sales Manager, Hatch Co.
- 1:00 p.m. "The Development and Application of CBOD5/BOD5 Ratio to Reduce Monitoring Requirements and Costs," Charlie Liu, Senior Project Manager, BCM Engineers

Wastewater Treatment Operator's Program - Spring 2016

- (8:30 a.m. to 1:30 p.m.) (TCH Hours: 4 WW)
 NJDEP No. 03-02 16 08 2-0
 CPWM No. NJWEA-DLGS-917 Tech. 4 Hrs.
 Moderators: Christopher Manak, Superintendent, Madison-Chatham Joint Meeting
 Srinivas D. Gidugu, PE, HAKS
 Jeffrey Williams, Executive Director of Operations, Delran Township Sewage Utility
- 8:30 a.m. "Nitrite – Hunting an Elusive Quarry," Bruce P. Stevens, Regional Manager, ASA Analytics
- 9:00 a.m. "Solving Head Works Problems One Case Study at a Time," Robin Schroeder, Business Development Manager, Blue Water Technologies
- 9:30 a.m. "Taking on Trash: Equipping Wastewater Professionals to Eliminate the Wipes Nightmare," Andy Conger, Regional Sales Manager, JWC Environmental
- 10:00 a.m. BREAK
- 11:00 a.m. "P3 Project Delivers New FOG Dewatering Facility for Morris County," Ed Weinberg, President, ESSRE Consulting, Inc.
- 11:30 a.m. "Oxford Wastewater Treatment Facility Upgrade," Sean J. Sauder, Project Manager, CP Engineers, LLC
- 12:00 p.m. "Grit, The Silent Menace," David J. Silverman, PE, Applications Engineer, PSI Process and Equipment
- 12:30 p.m. "Preliminary Treatment Benefits and Considerations at Five Wastewater Treatment Plants," Sade Olapade-Olaopa, Senior Project Manager, Hatch Mott MacDonald
- 1:00 p.m. "Why Not Consider a Sequencing Batch Reactor (SBR)?" William W. Cathcart, PE, LO, Retired

8-Hour HAZWOPER Refresher

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

NJDEP No. 03-01 03 04 3-1

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

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

Instructors: David Grupp, Versatile Senior Environmental
Manager
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

Pipeline Assessment & Certification Program - Day 1

(9:00 a.m. – 3:30 p.m., See page 17)

Resiliency: Planning, Design and Economics

(9:00 a.m. - 12:00 p.m.) (TCH Hours: 3 W&WW)

NJDEP No. 03-02 16 09 3-0

CPWM No. NJWEA-DLGS-918 Tech. 3 Hrs.

NYPE 3; NJPE 3

Moderators: Janine B. Witko, PE, Americas Water Business
Leader, Arup
Gary M. Grey, Senior Wastewater Specialist,
HDR, Inc.

9:00 a.m. "Pumping Systems Optimization: Offers Lower
Maintenance Costs, Improved Reliability and
Higher Profitability," William C. Livotti, WEG in
Conjunction with the Hydraulic Institute

9:30 a.m. "Green Bonds: Financing for Sustainability
Projects," Phillip Ludvigsen, PhD, First
Environment, Inc.

10:00 a.m. "Addressing Stormwater Vulnerabilities – Vent,
Grates, Manholes, Tunnels – in the NYCT Subway
System," Mike Hall, CEng, Arup

10:30 a.m. "US Army Corps of Engineers – North Atlantic
Coast Comprehensive Study – Case Study,"
Lauren Klonsky, PE, CDM Smith

11:00 a.m. "BRSAs Resiliency Projects – Protections from the
Rising Tide," Bob Fisher, Executive Director,
Bayshore Regional Sewerage Authority

11:30 a.m. "Hardening the Nation's 5th Largest Treatment
Facility Against Another Sandy," Joseph Frissora,
PE, Vice President, HDR Engineering and David
Blair, PE, Vice President, AECOM

Air Pollution - Greenhouse Gas

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

NJDEP Course No. 03-02 16 10 3-0

CPWM No. NJWEA-DLGS- 919 Tech. 5.5 Hrs.

NYPE 5; NJPE 5

Moderator: Richard Erickson, Marketing Area Director, First
Environment

9:30 a.m. "The Ozone Triangle – The Sequel! Balancing
Ozone and Greenhouse Gas," Rich Cestone, PE,
CHMM, Remington & Vernick Engineers

10:20 a.m. BREAK

10:30 a.m. "Case Studies – Implementation of Emission
Control Improvements for SSI MACT
Compliance," Jay Surti, PE, Senior Technologist
and Project Manager and Peter Burrowes, PEng,
Fellow Technologist, CH2M

11:30 a.m. LUNCH

12:30 p.m. "Realizing a Reliable, Resilient and Efficient
Source of Energy – CHP," Douglas Friedel,
Project Director and Domenick Loschiavo,
Engineering Manager, Black and Veatch
Corporation

1:30 p.m. "Microgrids + Cogeneration = Greenhouse Gas
Reduction + Resiliency," Frederick Fastiggi,
Principal, Shoreline Energy

2:30 p.m. BREAK

2:40 p.m. "Clean Energy Solutions for Biogas Utilization," Ed
Weinberg, President, ESSRE Consulting, Inc.

3:30 p.m. "Climate Change Today: The Paris Climate
Conference and COP21," B. Tod Delaney, PhD,
PE, BCEE, President, First Environment, Inc.

Energy Recovery and Conservation

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

NJDEP No. 03-02 16 11 3-0

CPWM No. NJWEA-DLGS-920 Tech. 3 Hrs.

NYPE 3; NJPE 3

Moderators: Gary M. Grey, Sr. Wastewater Specialist, HDR
Janine B. Witko, PE, Americas Water Business
Leader, Arup

1:30 p.m. "Eliminate Flaring to Generate Green Energy at
WWTPs," Pat Hughes, Enectra Therm Inc.

2:00 p.m. "Reliable CHP Solution for Dirty, Low-Methane
Biogas or Small WWTPs," Keith Albretsen,
WesTech Engineering and Rachelle Tippetts,
WesTech Engineering

2:30 p.m. "Kenosha Energy Optimized Resource Recovery
Project," Curtis Czarnecki, Kenosha Water Utility

3:00 p.m. "Biogas Combined Heat and Electrical Power
Generation Feasibility," Tim Daily, Pennoni
Associates

3:30 p.m. "Leveraging Raw Sewage – Energy for the
Taking," Rich Lawlor, PEng, International Water
Systems and Oleg Zonis, Diverka and Bartilucci
and Guarino Environmental Engineers

4:00 p.m. "Post Construction Evaluation of Energy Efficiency
Improvements at Wastewater Treatment Plants,"
Greg J. Sullivan, PE, Remington and Vernick
Engineers and Richard Czekanski, PE, Remington
and Vernick Engineers

Instructors' Workshop

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

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

Exhibit Area Presentation – Pumps and SCADA

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

NJDEP No. 03-02 16 12 3-0

CPWM No. NJWEA-DLGS-921 Tech. 2 Hr.

Moderators: John A. Mele, Regional Manager, Hobas Pipe USA
John Corkery, Municipal Sales Manager, PSI
Process & Equipment

2:00 p.m. "Managing Flood Risk with Resilient Submersible Pumps," John Corkery, Municipal Sales Manager, Pumping Services, Inc./Process and Equipment and Denis Rehse

3:00 p.m. "WEB-Hosted SCADA for Remote Monitoring of Wastewater Facilities," Bryce Parkhurst, ITS/Pumping Services, Inc. and Chris Pawlik

3:30 p.m. "Pumping Theory and Terminology for Pumping Station Operators," Denis Rehse, PSI Process and Equipment Group and Sean Paratore

Innovative Technology Forum

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

NJDEP No. 03-02 16 13 2-0

CPWM No. NJWEA-DLGS-922 Tech. 2 Hrs.

NYPE 2; NJPE 2

Moderators: Robert Bendlin, President, Bendlin Incorporated
Stephen Rozewski, Vice President, Bendlin Incorporated

2:00 p.m. "Innovations in Gas Piston Bubble Mixing of Anaerobic Digesters," Peter Lipert, Jr, General Manager, Claro Environmental Technologies

2:30 p.m. "The Biological Process in Wastewater Treatment and Collection Systems and Reduction of FOG," Jay B. Hill, Product Manager, Bioscience, Inc.

3:00 p.m. "Energy Consumption Reduction in Decanter Centrifuges for Dewatering and Thickening," Ronald A. Kelly, Regional Manager, ANDRITZ Separation, Inc.

3:30 p.m. "Innovative Recessed Impeller Pump Helping Wastewater Plants Save Energy," Paul Nelsen, Sales Manager

WEDNESDAY, MAY 18, 2016

Student Session

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

Moderators: Steve Yergeau, PhD, Environmental & Resource Management Agent, Rutgers University
Megan Livak, Coordinator, Marketing & New Business Development, Van Cleef Engineering
Alyson Lee, Business Development/Project Manager, CSL Services, Inc.

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

8:50 a.m. Student and YP Meet and Greet

9:15 a.m. Passing of the Gavel, Richard Eustace, President, NJWEA

9:35 a.m. Federation Address, Ralph Exton, 2015-2016 WEF Treasurer

9:45 a.m. Student Scholarship Awards Program, Peter Strom, PhD, Rutgers University and Steven Yergeau, PhD, Rutgers University

10:00 a.m. "Progress of Innovative Projects and Ideas on Both the Young Professional and Professional Levels"

11:00 a.m. Scavenger Hunt/Exhibit Hall Tour

12:00 p.m. Poster Session Set-Up

12:30 p.m. Poster Session Judging

1:30 p.m. Scavenger Hunt/Exhibit Hall Tour

2:00 p.m. Student/YP Program Session Welcome, Richard Eustace, NJWEA President and Ralph Exton, 2015-2016 WEF Treasurer

2:15 p.m. YP and Student Professional Development Workshop

3:10 p.m. Young at Heart Award

3:15 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

4:00 p.m. Poster Competition Awards, Peter Strom, PhD, Rutgers University, Steve Yergeau, PhD, Rutgers University, and Chris Urchrin, PhD, PE, Rutgers University

4:15 p.m. Closing Remarks, Alyson Lee, Business Development/Project Manager, CSL Services, Inc. and Megan Livak, Coordinator, Marketing & New Business Development, Van Cleef Engineering

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. 03-02 16 14 3-0

CPWM No. NJWEA-DLGS-923 Tech. 5 Hrs.

Moderators: Roman Wisniewski, Plant Maintenance Manager, Joint Meeting of Essex and Union Counties
Joel Altman, Assistant Maintenance Manager, Joint Meeting of Essex and Union Counties

9:00 a.m. "Cost-Effective Control of Trash, Floatables and Solids," Walter C. Trnka, Fresh Creek Technologies

9:45 a.m. "Mixer Design and Selection for Wastewater," Joseph Yelpe, Sales Engineer, Process Equipment Sales and Services, Inc.

10:30 a.m. "Selecting and Maintaining Chemical Tanks," Ray Varila, Snyder Tanks

11:15 a.m. "Chemical Piping Solutions," Rick Siberine, Business Development Manager, Asahi America
BREAK

12:00 p.m. "Reduce Maintenance Costs Through Lubrication," Cathy Wilson, PE, Reliability Technology Manager, Sunair Co.

2:00 p.m. "Flow Meters," Chris Garaffa, Sales Engineer, PCS Pumps

3:20 p.m. "The Basics of Circuit Breaker Panels," Roman Wisniewski, Maintenance Manager, Joint Meeting of Essex and Union Counties

Plenary Session

(9:15 a.m. to 12:00 p.m.) (TCH Hours: 1 W&WW)

NJDEP No. 03-02 16 15 3-0

CPWM No. NJWEA-DLGS-924 Gov. 1 Hrs.

Moderator: Richard Eustace, NJWEA
Thomas Amidon, Principal Water Resources Scientist, Kleinfelder

9:15 a.m. Passing of the Gavel, Richard Eustace, President, NJWEA

9:35 a.m. "Federation Address," Ralph Exton, 2015-2016 WEF Treasurer

9:45 a.m. "Student Scholarship Awards Program," Peter Strom, PhD, NJWEA Scholarship Committee Chair, Dept. of Environmental Sciences, Rutgers University and Steven Yergeau, PhD, Environmental and Resource Management Agent, Rutgers University

10:00 a.m. "One Hundred Years of Wastewater Collection Treatment and Disposal Practices in New Jersey"
Moderator: Jerome A. Harris, P.E., CME Associates
Treatment Processes: Dr. Peter Strom, Professor of Environmental Science, Rutgers University
Collection Systems: Louis Lambe, Superintendent of Line Operations, Passaic Valley Sewerage Commission
Biosolids: Joseph Bonaccorso, Project Manager, CME Associates

11:00 a.m. Keynote Address by NJDEP Commissioner Martin or Designee

11:30 a.m. Judith A. Enck, Regional Administrator or Designee, USEPA Region 2

11:45 a.m. Q&A Session with Commissioner Martin and Administrator Enck
People who have questions for Commissioner Martin or Administrator Enck are encouraged to contact Tom Amidon (TAmidon@Kleinfelder.com) 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 W&WW)

NJDEP No. 03-02 16 16 3-0

CPWM No. NJWEA-DLGS-925 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, Project Manager, Kleinfelder

1:00 p.m. "SRVSA's Storm Control Treatment Facility - A Novel Solution to SSOs," James F. Cosgrove, Jr., PE, Vice President/Principal, Kleinfelder and Ronald Anastasio, PE, Executive Director, Somerset Raritan Valley Sewerage Authority

1:30 p.m. "A Novel Test for Measurement of Microbial Induced Corrosion (MIC) in a Wastewater Collection System," Joost Goossens, Applications Engineer, Evoqua Water Technologies and John Clark, Sanitation District No. 1

2:00 p.m. "Physical Model of Wet Well Facilitates a Cost Effective Pump Capacity Increase," John N. Rogers, PE, BCEE, Associate, CDM Smith

2:30 p.m. "Practical Application of NFPA 820: Standard for Fire Protection in Wastewater Treatment and Collection Facilities," James J. Panetti, PE, Partner, Keystone Engineering Group, Inc.

3:00 p.m. "Sewer Flow Meters, from Ancient Rome to Buck Rogers," Jeff Cantwell, Mid Atlantic Manager, Flow Assessment Services, LLC

3:30 p.m. "Clearing the Way for Progress," Fletcher Platt, Jr, PE, BCEE, Senior Project manager, Gannett Fleming

Watershed Management

(2:00 p.m. to 4:30 p.m.)

NJDEP No. 03-02 16 20 3-0 (TCH Hours: 2.5 WW)

CPWM No. NJWEA-DLGS-929 Tech. 2.5 Hrs.

NYPE 1; NJPE 2

Moderators: William J. Muszynski, PE, Water Resource Management Branch Manager, Delaware River Basin Commission
Amy L. Shallcross, PE, Operations Supervisor, Delaware River Basin Commission

2:00 p.m. "NJDEP -Water Quality Management Plan Requirements," Coleen Kokas, Director at Office of Water Resource Management Coordination, NJDEP

2:30 p.m. "The Importance of Municipal/State Coordination in the Protection of Water Quality," Casey Ezyse, Assistant Resource Management Specialist, NJ Highlands Council

3:00 p.m. "Philadelphia: One Water Approach Starts with Source Water Protection," Kelly Anderson, Manager, Source Water Protection, Philadelphia Water Department

3:30 p.m. "Long-Term Implementation of Complex TMDLs: State 2 TMDLs for PCBs for the Delaware Estuary," Thomas J. Fikslin, Manager, Modeling, Monitoring and Assessment Branch, Delaware River Basin Commission

4:00 p.m. Upgrading the Frenchtown WWTP: Small Plant with Significant Challenges," Victor R. Gillardi III, Licensed Operator, Frenchtown Borough and Timothy Bradley, PE, Vice President, Kleinfelder

Ethics Considerations for Engineers

(4:30 p.m. to 6:30 p.m.)

NJDEP No. 03-08 11 16 3-0 (TCH Hours: 2 W&WW)

CPWM No. NJWEA-DLGS-608 Ethics 2 Hrs.

NJPE 2

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

Instructor: Albert J. Capuzzi, PE, Jacobs Engineering Group
The presentation will review these principles of ethical conduct:

1. Hold paramount the safety, health and welfare of the public
2. Perform services only in areas of their competence
3. Issue public statements only in an objective and truthful manner.
4. Act for each employer or client as faithful agents or trustees
5. Avoid deceptive acts

6. Conduct themselves honorably, responsibly, ethically and lawfully so as to enhance the honor, reputation and usefulness of the profession

Specific rules of conduct and professional obligations for ethical behavior in each of six areas will be reviewed as well. We will review sound ethical decision making tools and where to "go for help" in specific situations. A series of case studies will provide examples of ethical and unethical decision making in specific situations. The presentation will also provide an overview of the New Jersey statutes and regulations for Professional Engineers and will discuss the recent impact of the Corrupt Practices Act on engineers.

Industrial Wastewater Management

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

NJDEP No. 03-02 16 17 2-0 (TCH Hours: 3 WW)

CPWM No. NJWEA-DLGS-926 Tech.: 3 Hrs.

NYPE 2; NJPE 3

Moderators: John Schneekloth, PE, Vice President, Hatch Mott MacDonald
Pat McFarland, Assoc. Dir. Watershed Operations, Bristol-Myers Squibb

- 1:00 p.m. "USEPA Regulatory Updates to NPDES Program - Proposed Rules and New Regulations Impacting Industrial and Municipal Sectors," Virginia Wong, Acting Chief, Monitoring Operations Section, United States Environmental Protection Agency
- 1:30 p.m. "NJDEP Pretreatment and Residuals Program Updates," Nancy Kempel, Section Chief, Bureau of Pretreatment and Residuals, DWQ, New Jersey Department of Environmental Protection
- 2:00 p.m. "Technology Evaluation for COD and TDS Reduction in Leachate," Jurek Potoczka, PhD, PE, Vice President, Hatch Mott MacDonald
- 2:30 p.m. "Beverage Filtration: Focus on Microbreweries," Christian Garabaya, Product Manager - Headworks and Screens, Parkson Corporation
- 3:00 p.m. "Real World THM Compliance with an Ozone + BAC System," Louis LeBrun, PE, Vice President and Tara Lamoureaux, EIT Water Resource Engineer, Pinnacle Ozone Solutions
- 3:30 p.m. "Introduction and the Importance of Reuse/Recycle Water and the Use of Defined Substrate Technology for the Detection of Indicator Bacteria for Reuse Water," Gil Dichter, Worldwide Technical Support Manager Water, IDEXX Laboratories

Issues of Emerging Concern

(1:00 p.m. to 5:00 p.m.)

NJDEP No. 03-02 16 18 2-0 (TCH Hours: 4 W&WW)

CPWM No. NJWEA-DLGS-927 Tech.: 4 Hrs.

NYPE 4; NJPE 4

Moderators: Gary Lohse, PE, Regional Sales Manager, DeNora Water Technologies
Vijesh Karatt Vellatt, PE, LEED AP, Greeley and Hansen LLC

- 1:00 p.m. "1,2 Dichlorobenzene Pretreatment via Phosphoric Acid-Mediated Fenton Reagent," Mark D. Richmond, Manufacturing Tech Senior Engineer, The Chemours Company
- 1:30 p.m. "Increased Capacity with Lower Energy Consumption in a WWTP Using Newly Developed High Efficiency Aeration Control Valves – A Case

Study," Tilo Stall, PhD, Business Development Manager, Binder Group, AG

- 2:00 p.m. "The Utility Risk Equation: An Interactive Case Study," Corinne Tuozzoli, PE, Senior Security Consultant and Project Environmental Engineer, Arcadis CE, Inc.
- 2:30 p.m. "Definition, Assessment and Control of Odor at Wastewater Treatments," Sade Olapade-Olaopa, PE, Senior Project Manager, Hatch Mott MacDonald and John Scheri, Principal Project Manager, Hatch Mott MacDonald
- 3:00 p.m. "Technology Evaluation for COD and TDS Reduction in Leachate," Jurek Potoczka, PE, Vice President Process Design, Hatch Mott MacDonald
- 3:30 p.m. "The Intelligent Network: Wastewater, CHP and Smart Analysis Meet the Microgrid," Steve Tarollo, PE, Engineering Manager, Black and Veatch and Pam Kenel, PE, Project Manager, Black and Veatch
- 4:00 p.m. "Ribs – They're Not Just for Dinner," Scott Hoffman, PE, Project Manager, CABE, a Duffield Associates Company and Tom Dwyer, PG, Project Manager, Maser Consulting PA
- 4:30 p.m. "Recovering Heat Makes Small Scale Water Reuse a Power Producer," Paul Knowles, PhD, Director of Technical Operations, Natural Systems Utilities, Eugenio Giraldo, PhD, Natural Systems Utilities, Zach Gallagher, PE, LEED, Natural Systems Utilities and Michael Gubbins, PE, Natural Systems Utilities
- Alternate 1: "Pottstown Borough Authority: the Report Cards are In," Stephen Marcino, Project Manager, JMT Engineers, Inc.
- Alternate 2: "How Data and Collection System Profiling Provide Transformational Change for Collections System Operations and Asset Management," Jay Boyd, Chief Operating Officer, Hadronex, Inc. dba SmartCover© Systems

Instrumentation and Controls Session

(1:00 p.m. to 5:00 p.m.)

NJDEP No. 03-02 16 19 3-0 (TCH Hours: 4 WW)

CPWM No. NJWEA-DLGS-928 Tech.: 4 Hrs.

NYPE 4; NJPE 4

- Moderator: Michael Roy, PE, Authority Engineer, Old Bridge MUA
- 1:00 p.m. "The Basics of Process Control Instrumentation," Philip Schwartz, P.E., President, Keystone Engineering Group, Inc.
- 2:00 P.M. "Benefits of Variable Frequency Drives for Small Pumping Systems," Randall Bard, Market Manager Pre-Engineered Systems, Xylem-Flygt
- 3:00 p.m. "Instrumenting the Nutrient Removal Process: Bus-Based Digital Analysis Systems," Jay Mershon, Senior Product Business Manager, Endress & Hauser
- 4:00 p.m. "Today's SCADA," Michael Samuel, PE, President, R3M Engineering, Stephanie DeCotiis, Project Engineer, R3M Engineering and Kevin Davis, Process Control Engineer, Middlesex County Utilities Authority

**Incident Command's System - ICS
100/NIMS 700 - The Basics of the
Incident Command System**

(2:00 p.m. to 5:00 p.m.)

NJDEP No. 03-01 09 35 3-0 (TCH Hours: 3 W&WW)

CPWM No. NJWEA-DLGS-464 Mgmt. 3 Hrs.

Moderator/Instructor: Harry E. Smith III, CSM – Deputy Emergency Management Coordinator for Cinnaminson Township, Deputy Chief of Palmyra Ambulance Association, Station 809, Battalion Chief of Cinnaminson Fire Dept., Station 202, President of Certified Health and Safety Services, LLC Required by the NJ Governors' Executive Order #50 for all Directors, Superintendents, and Supervisors to comply with the Presidents Homeland Security Directive No. 5 (HSPD-5).

**Exhibit Area Presentation – Ultraviolet
Wastewater Disinfection**

(2:15 p.m. to 3:15 p.m.)

NJDEP No. 03-02 16 21 2-0 (TCH Hours: 1 WW)

CPWM No. NJWEA-DLGS-930 Tech. 1 Hr.

Moderator: Stephen Rozewski, Vice President, Bendlin Incorporated

Speaker: Joseph Murro, UV System Consultant, Aquaazul

Peddlers Challenge – Exhibit Area

(3:30 p.m. to 4:15 p.m.) See page 4 for more information

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

(10:00 p.m. to ???)

THURSDAY, MAY 19, 2016

**Industrial Wastewater Operator
Workshop**

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

NJDEP No. 03-02 16 27 2-0

CPWM No. NJWEA-DLGS-936 Tech. 5 Hrs.

Moderators: Lance P. Salerno, Senior Utility Performance Consultant, Brown and Caldwell
John Schneekloth, Vice President, Hatch Mott MacDonald

9:00 a.m. "Criticality Analysis: The Cornerstone of a Successful Asset Management Program," Tacoma Zach, PEng, CRL, Uberlytics

10:00 a.m. "Using Criticality in an Asset Management Program to Mitigate Risk," Marc W. Yarlott, PE, CMRP, CRL, CLS, Project Manager, Veolia North America

11:00 a.m. BREAK

1:00 p.m. "Redefining Biomass Health and Viability in Activated Sludge Systems," Michael H. Foster, CET, Principal Consultant, Environmental Business Specialists, LLC

2:00 p.m. "Chemical Oxidation," Christian Hjembo, N-3, Engineer Operations, Brown and Caldwell

2:30 p.m. "Using Data Management Systems to Guide Best Way Wastewater Operations Practices," Elisa Tess Harden, Industrial Wastewater O&M Manager, Brown and Caldwell

3:00 p.m. "Removal of Heavy Metals in Industrial Wastewaters," John Lewyta, PE, BCEE, Resident Engineer CSO-NC-3, D&B Engineers and Architects, P.C.

Safety Workshop - Spring 2016

(8:00 a.m. to 4:00 p.m.) (TCH Hours: 5.5 Safety)

NJDEP No. 03-02 16 25 3-1

CPWM No. NJWEA-DLGS-934 Tech. 5.5 Hrs.

Moderators: Harry Smith III, CSM – Owner of Certified Health and Safety Services, LLC, NJWEA Safety Committee Chairman

Harry Ladisheff, Operator, Bayshore Regional Sewerage Authority and NJWEA Safety Committee Vice Chairman

Rick Stafford, Safety Officer, Joint Meeting of Essex and Union Counties

Ken Hrasdzira, Retired, Passaic Valley Water Commission

8:00 a.m. Personal Protective Equipment (PPE): "Proper Selection and Use," John P. McShane, Sales Representative, 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 actual equipment.

9:15 a.m. BREAK

9:30 a.m. Fall Protection: "The ABCD's of Fall Protection", Frank Dykas, Representative of Safety Today Fall injuries and deaths are in the OSHA top four. We will discuss, review and demonstrate the proper wear of safety harnesses, lanyards, self-retracting life lines and other related equipment.

11:00 a.m. Lunch and Exhibits

1:00 p.m. OSHA Requirements for Confined Space Entry: "Are we really doing it right?" OSHA Requirements for Confined Space Entry, Cecile M. Bacola, Sales Manager and OSHA Outreach Trainer for MSA the Safety Company This seminar will enlighten you and give you a better understanding of the requirements involving testing the atmosphere, proper classification, permits, training, covering both construction and general industry. This makes a difference when contractors are on site rehabbing and rebuilding our infrastructure.

2:30 p.m. BREAK

2:45 p.m. OSHA Requirements for Confined Space Entry (Continued)

4:00 p.m. PROGRAM ENDS

Nutrient Removal

(8:00 a.m. to 11:00 a.m.) (TCH Hours: 3 WW)

NJDEP No. 03-02 16 22 2-0

CPWM No. NJWEA-DLGS-931 Tech. 3 Hrs.

NYPE 3; NJPE 3

Moderators: Sundaram Solai, PE, Greeley and Hansen LLC
Gabrielle Moore, PE, AECOM

8:00 a.m. "Achieving Revised Ammonia Criteria Effluent Quality: Design and Operation," David J.

- Kinnear, PhD, PE, Process Engineer, HDR Engineering, Inc., Erika Bailey, J.B. Neethling and Mario Benisch, HDR Engineering, Inc.
- 8:35 a.m. "No Cost Nitrogen Removal at the Bay Park STP," John Fortin, PE, Senior Associate, Hazen and Sawyer and Joseph Davenport, PE, Eng. Unit Head, Water/Wastewater, Nassau County DPW
- 9:10 a.m. "Process Improvements at Woodstown WWTP in Anticipation of NJPDES Permit Restrictions," Danielle Farrell, PE, Project Engineer, Remington & Vernick Engineers and Monica Bell, PE, Project Engineer, Remington & Vernick Engineers
- 9:45 a.m. "See It Before You Try It – Process Modeling for BNR Facilities," Gary M. Grey, PE, Sr. Professional Associate, HDR Engineering, Inc.
- 10:25 a.m. "Reducing the Costs of Nutrient Management Nitrification Induction at NYC's 26th Ward," Jay Lovelass, PE, BCEE, Associate, Greeley and Hansen LLC, Dimitrios Katehis, PhD, PE, Greeley and Hansen LLC and William Seduto, Bureau of Wastewater Treatment, NYCDEP
- Alternate: "Retrofitting on Existing Wastewater Treatment Plant to Achieve Nitrogen Removal via Nitrification/Denitrification," Christopher J. Pizarro, PE, Engineer (IV), Hatch, Mott MacDonald and David Klemm, PE, Vice President, Hatch Mott MacDonald

Collection System Operators Workshop

- (9:00 a.m. to 4:00 p.m.) (TCH Hours: 5 WW)
 NJDEP No. 03-02 16 28 2-0
 CPWM No. NJWEA-DLGS-937 Tech. 5 Hrs.
 Moderators: Basil D'Armiento, Operations Specialist, CDM Smith
 Robert Snyder, Assistant Operations Manager, PARSA
- 9:00 a.m. "Better Water and Wastewater Projects through Operator Participation," Jerry Haimowitz, PE, BSEE, Licensed S4, C4, T4, W4 Operator
- 9:40 a.m. "Succession Planning for Operators," Claire Baldwin, PhD, Associate, CDM Smith
- 10:20 a.m. "Pump Shaft Sealing Strategies and Flush Water Reduction Opportunities," Jeff Weingartner, Northeast OEM Business Development Manager, AW Chesterton
- 11:00 a.m. EXHIBIT AREA/BREAK
- 1:00 p.m. "This One's For You," William T. Sucholdolski, PE, Engineering Manager, Ocean County Utilities Authority
- 1:35 p.m. "An Alternative Approach to Sewer Renewal," Keith J. McHale, PE, I&I Project Manager, Environment One Corporation
- 2:10 p.m. "Using Acoustic Inspection to Prioritize Sewer Cleaning," George Selembo, PhD, PE, CEO, InfoSense, Inc.
- 2:45 p.m. "Working Smarter Against Inflow and Infiltration," Bruce Kosensky, Regional Sales Manager, EnviroSight
- 3:20 p.m. "Westlake Interceptor Lining Project: Big Initial Repair Savings Prove Long-Term Success," Tom Perry, Director of Marketing, Multi Utilities Ventures
- 4:00 p.m. CERTIFICATE DISTRIBUTION

CSOs: Developing a Green LTCP

- Part I:
 NJDEP No. 03-02 16 23 2-0 (TCH Hours: 3 WW)
 CPWM No. NJWEA-DLGS-932 Tech.: 3 Hrs.
 NYPE 2; NJPE 3
- Part II
 NJDEP No. 03-02 16 24 2-0 (TCH Hours 3 WW)
 CPWM No. NJWEA-DLGS-933 Tech. 3 Hrs.
 NYPE 3; NJPE 3
 (Part I: 8:00 a.m. to 11:00 a.m.)
 Moderators: Jerry J. Notte, PE, Vice President - Water Market, CH2M Hill
 Daniel Eagan, PE, Project Manager, JBL Electric, Inc.
- 8:00 a.m. "NJ CSO Program Update," Pilar Patterson, Chief - Bureau of Surface Water Permitting, NJDEP
- 8:30 a.m. "How to Get the Most Out of Your System Characterization," William McMillin, CH2M
- 9:00 a.m. "Field Testing and Demonstration of a CSO High Rate Filtration Treatment Process," Masa Takamatsu, Water Resources Engineer, HDR
- 9:30 a.m. "Pilot Studies for CSO Treatment Using Cloth Media Filtration Technology," Mark P. Hughes, Product Manager, Aqua-Aerobic Systems, Inc.
- 10:00 a.m. "Taking a New CSO Treatment Technology from Concept to 100 mgd Reality," Jim Fitzpatrick, Senior Process Engineer, Black & Veatch
- 10:30 p.m. "The NJ CSO Group Baseline Compliance Monitoring Program," Francisco Brihante, HDR
- (Part II: 1:00 p.m. – 4:00 p.m.)
 Moderators: Sheldon Lipke, PE, Principal Consultant, SJL Consulting
 Marques Eley, PE, Engineer, Passaic Valley Sewerage Commission
- 1:00 p.m. "Against the Tide: CSO Outfall and Regulator Flow Monitoring," Jeff Cantwell, Mid-Atlantic Manager, Flow Assessment Services
- 1:30 p.m. "What is a Sewer System Model and What is it Good For?" Cindy Huang, PhD, Water Resources Engineer, CDM Smith
- 2:00 p.m. "The Big Green Apple – New York City Green Infrastructure," Virginia Roach, PE, Vice President, CDM Smith
- 2:30 p.m. "Sampling and Modeling as Part of CSO Long-Term Control Planning for Northern NJ Municipalities," Richard R. Isleib, PE, Senior Project Engineer, HDR
- 3:00 p.m. "Preliminary Results from Large-Scale CSO Pilot in Bayonne, NJ," John Dening, PE, Senior Project Engineer, Hatch Mott MacDonald
- 3:30 p.m. "Using Green Infrastructure to Manage Stormwater and Reduce CSO in NYC," Margot Walker, Director of Capital Planning & Partnerships, New York City Department of Environmental Protection
- Alternate "Assessing the Partitioning and Treatment of Microbial Agents from Combined Sewer Effluent During Wet Weather CSO Flow Monitoring," Alessia Eramo, PhD Student, Rutgers University

Joint MABA/NJWEA Biosolids Workshop

(8:30 a.m. to 4:00 p.m.) (TCH Hours: 5 WW)

NJDEP No. 03-02 16 26 2-0

CPWM No. NJWEA-DLGS-935 Tech. 4 Hrs. Gov.: 1 Hr.

NYPE 4; NJPE 5

Moderators: Tom Lauletta, PE, Wastewater Program Manager, Cape May County Municipal Utilities Authority
William E. Toffey, Executive Director, Mid-Atlantic Biosolids Association
Peter Nese, Retired, CH2M Hill
Lisa Oberreiter, Project Scientist, Passaic Valley Sewerage Commission

8:30 a.m. "Current Regulatory Topics in New Jersey," Tony Pilawski, Section Chief, Bureau of Pretreatment and Residuals, NJDEP

9:00 a.m. "Impact of Orthophosphates on Achievable Dry Cake Solids Concentrations and Polymer Consumption in the Dewatering Process - Test Results from Four Full Scale US Pilot Plants," Gerhard Forstner, President, CNP-Technology Water and Biosolids Corp and Hiroko Yoshida, R&D Engineer, Centrisys Corp.

9:30 a.m. "Optimizing the Performance of Anaerobic Digestion," Mark Greene, PhD, Senior Technical Director, O'Brien & Gere

10:00 a.m. "Regionalized Service for Accepting Organic Wastes, Septage and Sludges," Michael Mecca, Liquid Waste Acceptance Administrator, Passaic Valley Sewerage Commission and Carlos Torres, Liquid Waste Acceptance Lead Inspector, Passaic Valley Sewerage Commission

10:30 a.m. "Forms of Procurement for Innovative Biosolids Technologies Development," Ryan Lamli, Regional Sales Manager, Veolia Water

11:00 a.m. Exhibits and Lunch

1:00 p.m. "From Incinerators to Digesters – The Case for GCUA," David Hillmann, Manager of Operations, Gloucester County Utilities Authority and Danielle Farrelle, Project Engineer, Remington & Vernick
1:30 p.m. "Digestibility Assessment of Potential Feedstocks for Co-Digestion in Anaerobic Digesters – The GCUA Evaluation," Metin Duran, Professor, Villanova University

2:00 p.m. "Thermal Hydrolysis for Expanded Solids Handling Capacity – The HRSD Atlantic Treatment Plant Case," Stephanie Spalding, Project Manager, HDR

2:30 p.m. "Thermal Conversion of Biosolids to Energy and Biochar," Steve Wirtel, PE, Executive Vice President, KORE Infrastructure

3:00 p.m. "How to Maximize Polymer Value for Improved Solids Dewatering," Yong Kim, PhD, Technical Director, UGSI Chemical Feed

3:30 p.m. "Evaluating Biosolids Management Alternatives - Use of the ASCE Envision Rating System for Engineering Decision-Making," Norman Bradley, Principal Engineer, Hazen and Sawyer

Manhole And Lateral Assessment and Certification Program

(9:00 a.m. – 3:30 p.m., See page 17)

Exhibit Area Presentation - Process

Screening and Conveying of Screening

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

NJDEP No. 03-02 16 29 3-0

CPWM No. NJWEA-DLGS-938 Tech. 1 Hr.

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

11:30 a.m. "Process Screening," Scott Hansen, Sales Representative, Dave Heiner Associates, Inc.

12:00 p.m. "Principles of Conveying Plant Process, Jill McCuster, Sr. Sales Representative, Spirac, Inc.

Grand Finale

(6:30 p.m. to ???) Join us at the Annual Grand Finale. This year, your Conference Committee invites you to attend: "THE GODFATHER'S MESHUGGENER WEDDING," a Jewish/Italian Comedy Wedding Extravaganza presented by the New York Dinner Theater. In this hilarious interactive show you'll be attending one of the wackiest weddings ever. Don Borleone's daughter has decided to tie the knot with Bernie Goldberg. This show is run with all the trimmings of a real wedding and the audience plays the role of wedding guests as the characters mingle throughout the tables and treat everyone as "Part of the Family".

At the Godfather's Meshuggener Wedding, you'll dance and laugh until the tears roll. Check your conference schedule and be sure to be there for one great night of music, dancing and audience participation.

FRIDAY, MAY 20, 2016

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 (CPC) 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 CPC 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) does 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

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Francis J. Bonaccorso, Vice Chair

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Stephen Blankenship, PE	Jerry J. Notte, PE
Joseph F. Bonaccorso	J. Sammi Olmo
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James De Block	Roseann Pettrow
James C. DeLaura, PE	Joseph Polomene, PE
Daniel Eagan, PE	Manuel Ponte, PE
Marques Eley, PE	Michael Roy, PE
Richard Erickson	Chuck Royer
Colin Ferguson	Stephen Rozewski
Srinivas D. Gidugu, PE	Lance Salerno
Thomas Greci	John S. Schneekloth, PE
Gary M. Grey	Amy Shallcross, PE
Chris Hoffman	Michael Simone, Jr., PE
Burk Kalweit	Bruce D. Smith
Vijesh Karatt, PE	Harry E. Smith, III
Harry L. Ladisheff	Robert Snyder
John J. Lagrosa	Sundaram Solai, PE
Louis Lambe	Rick Stafford
Thomas Lauletta	Kenneth S. Stoller, PE
Thomas Laustsen, PE	Peter F. Strom, PhD
Sheldon S. Lipke, PE	William T. Suchodolski, PE
Megan Livak	Jay R. Surti, PE
Gary M. Lohse, PE	William E. Toffey
Christopher Manak	David Vaccari
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William J. Muszynski, PE	



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 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: SBWET6)

Bally's Deluxe: \$108.00/night (Group Code: SBWET6)

Caesars : \$128.00/night (sessions held at Caesars) (Group Code: SCWET16)

PACP Training and Certification:

Tuesday – Wednesday, May 17-18, 2016 from 9am – 3:30pm

\$837.50 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 17-18, 2016 from 9am –3:30pm

\$487.50 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 19, 2016 from 9am – 3:30pm

\$192.50 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 Spring Fling – 2016 Operations Challenge May 16 & May 17

Come Join Us! At the NJWEA 2016 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 101st Annual Conference and Exposition in Atlantic City, NJ. While the Conference is at Bally's Atlantic City, the Operations Challenge Spring Fling will be held at the adjoining Caesars Atlantic City. The dates for the Spring Fling are May 16 and May 17, 2016. On Monday the Process Control and Laboratory Events will take place, along with the SDR Shoot Out. Tuesday, the Safety, Collections, and Maintenance Events will be taking place.

Information about the NJWEA Spring Fling can be found at www.cmcmua.com/springfling. If you have a question, please feel free to contact Michelle Salfi.

For more information about the NJWEA Conference visit their website at www.njwea.org.

Your support is badly needed again this year so as the visiting teams said "A first class event" can be had again in 2016. We do hope you can support the conference challenge. Stop in to cheer the teams on Monday & 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 complete. 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

Michelle Salfi
Spring Fling Coordinator
(609) 398-8992
salfiml@cmcmua.com

NJWEA PRESIDENT'S AWARD RECEPTION

Monday, May 16, 2016, at 5:00 p.m.

HOTEL INFORMATION New Jersey Water Environment Association 101st Annual Conference Sunday, May 15, 2016 through Friday, May 20, 2016



Bally's Atlantic City is proud to offer a variety of room options at special conference room rates. They include our Deluxe (\$108.00), and Luxury Rooms (\$118.00). The rates are based on single or double occupancy and an additional per person charge of \$20.00 will apply.

Bally's does not accept purchase orders on a "direct bill" basis. All purchase orders will be signed & 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 @ #609-441-5736.

Or you may call (888) 516-2215, 8am - 3am, EST and mention Group Code **SBWET6**

Additional charges of 14% tax, \$5.00 NJ State Tourism Promotional Fee, and A \$5.00 Room Assessment Fee per night will apply.



Caesars Atlantic City is also proud to offer a special conference room rate of \$128.00, run of house. The rate is based on single or double occupancy and an additional per person charge of \$20.00 will apply.

Caesars does not accept purchase orders on a "direct bill" basis. All purchase orders will be signed & 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 @ #609-441-5736.

Or you may call (888) 516-2215, 8am - 3am, EST and mention Group Code **SCWET16**

Additional charges of 14% tax, \$5.00 NJ State Tourism Promotional Fee, and a \$5.00 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 to:

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

1st ANNUAL 5K FUN RUN/WALK

The Young Professionals Committee will be hosting the "1st ANNUAL 5K FUN RUN/WALK" on Tuesday morning, May 17, 2016, at the Annual Conference. For more information and to register on-line go to:

<http://tinyurl.com/zjr8d8g>

No registration by mail or fax.

THE SLUDGE BOWL 2016

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

Please join us Wednesday, May 18th at 10:00 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 Alyson Lee and Megan Livak at NJWEAYPs@gmail.com

<http://www.njwea.org/young-professionals-committee.php>

In addition:

*The Young Professional's Speaker Challenge winners will be recognized on Fri., May 20th at the closing breakfast.

Contact Jack Lagrosa 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.

**AAEES/NJWEA Wes Eckenfelder Memorial Breakfast
at the
NJWEA's 101st Annual Conference**

Date: Tuesday, May 17, 2016
Start: 7:00 am – 8:15 am
Place: Bally's Atlantic City at The Diamond Club (6th Floor Bally's)
Cost: \$27.00/person, On-site Cost: \$30.00
Includes Juice, coffee/tea, eggs, rolls and fruit

Topic: "State-of-the-Art Recovery of Phosphorus from Wastewater"
Speaker: James L. Barnard, Black & Veatch

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)

The 31st Annual Peter A. Nese Prayer Breakfast

Date: Wednesday, May 18, 2016
Start: 7:15 am – 8:30am
Place: Bally's Atlantic City - The Diamond Club (6th Floor Bally's)
Pre Registration 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: "Our Heritage"

Speaker: John Manganaro, United Water

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

<u>Prayer Breakfast Registration Form</u>			
(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. (_____) _____			

**101st
Annual
Conference**

**AT
BALLY's
ATLANTIC CITY
May 16 - MAY 20, 2016**

**101st John J. (Jack) Lagrosa
Annual Conference and
Exposition of the
New Jersey Water Environment
Association**