



2017 Spring Utility Management Conference and Wave Award Luncheon
Tuesday, March 14 and Wednesday, March 15
Bally's, Atlantic City

Tuesday, March 14

11 a.m. Exhibit hall opens.

11:30 a.m. Lunch served in exhibit area

*Ensure accuracy for w/ww TCHs, CPWM credit, or engineering CPCs! You **must** scan in at the start and scan out at the end of the Tuesday afternoon. Likewise for the Wednesday morning sessions. **IN ADDITION** to scanning, you **must** sign in and then out at each of the concurrent session: 14A, 14B, 15A and 15B.*

1 p.m. Welcome

1:10 p.m. Preparing the Next Generation: Perspectives of Large and Small Utilities

Panelists Mike Pulver and Jennifer Jackson, both of Passaic Valley Sewerage Commission; and Joseph C. Pantalone, Atlantic County Utilities Authority; and Richard Brand, East Windsor MUA

Large utilities and small utilities have to address succession planning differently. This panel will focus on how two large and one small utility approach succession and long-term development of staff for water/wastewater systems. Mike Pulver, and Jennifer Jackson will present a case study of PVSC's succession planning efforts which include

identifying needs, shifting demographics, approach/framework, challenges, progress, and lessons learned. Joseph Pantalone, Vice President of Wastewater for ACUA, will explain unique approaches his utility is employing to develop staff. Richard Brand will discuss cross-training be done at his authority.

1 W/WW TCH & CWPM

2:15 p.m. Concurrent Sessions *(Please attend the one chosen at registration. Location info TBA from podium.)*

<p>Session 14A: Biosolids</p> <p>Energy Efficiency Partnership: Residuals & Biosolids James J. Meehan, Rahway Valley SA John Buonocore, Rahway Valley SA Rick Sapir, Hawkins Delafield</p> <p>.5 Wastewater TCH, CPC, CPWM</p> <p>This presentation will focus on the planning, design elements, contract/ RFP drafting, negotiations, political groundwork, and team approach of Rahway Valley SA for a revenue-generating residuals and biosolids partnership. The agreement enables RVSA to avoid annual costs for electricity and gas, locks up a 10-year feedstock supply commitment, and reduces GHG emissions. It allows RVSA to be more independent of the electrical grid and, thus more resilient. The presenters will discuss challenges and opportunities of the partnership, which required a capital</p>	<p>Session 14B: Drinking Water</p> <p>An Approach to Sustaining Groundwater Supply in NJ Critical Water Supply Areas Michael Barnes, Monroe Township Karen Benson, Legette, Brashears, & Graham, Inc.</p> <p>.5 Water TCH, CPC, CPWM</p> <p>Substantial declines of groundwater in four aquifers in 1985 led the NJDEP to designate Water Supply Critical Area 1 (CA1), limiting aquifer withdrawals but allowing for transfers for growth, such as in Monroe Township (Middlesex), among NJ's fastest growing towns. Monroe wells tap two CA1 aquifers. Portions of the "depleted" Critical Areas for both of the groundwater sources available to Monroe are within the township. About half of Monroe is within the threatened zones for each aquifer. MTUD identified potential for transfer of base</p>
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EE Partnerships continued,

outlay and some operating expenses and, like any significant commercial arrangement, involved risks, particularly related to the relatively undeveloped state of the food-waste-to-energy sector.

3 p.m. Resource Recovery from Muni WW Residuals

Mohammad Abu-Orf, Ph.D., Hazen and Sawyer

.5 Wastewater TCH, CPC, CPWM

The speaker will present recent advances in resource recovery from biosolids in terms of nutrient, energy and precious metals with a specific focus on how these advances will apply in New Jersey and how the current situation presents opportunities. The context for this presentation includes factors such as increasing municipal residuals, compounded by pressure on natural resources, the impact of federal and state regulations, public perception, availability of disposal or reuse outlets, energy demand for management, and overall costs of treatment from production to end use. Current approaches inactivate pathogens (biosolids), recover some form of energy, and produce stabilized material for partial recycling but with little economic value, leaving untapped the value of resources in the residuals. The speaker will discuss how attendees can take advantage of current opportunities.

Groundwater continued,

allocation from one aquifer, from a nearby industrial user in the threatened zone. This talk, a case history, will address infrastructure, demands, hydraulics, well construction and aquifer testing.

3 p.m. 4th Unregulated Contaminant Monitoring Rule

Kristin Tedesco, NJ DEP

Approved .5 Water TCH, CPC, CPWM

The 1996 Safe Drinking Water Act (SDWA) amendments require that EPA issue a new list of no more than 30 unregulated contaminants to be monitored by public water systems (PWSs). The fourth Unregulated Contaminant Monitoring Rule (UCMR 4), published in the Federal Register in December, requires monitoring for 30 chemical contaminants between 2018 and 2020 using methods developed by EPA and consensus organizations. Public water systems will monitor for 10 List 1 cyanotoxins during a 4-consecutive month period from March 2018 through November 2020 and for 20 List 1 additional contaminants during a 12-month period from January 2018 through December 2020. Monitoring provides a basis for future regulatory actions to protect public health. Attendees will get broad understanding of the UCM rule and recent changes.

3:45 p.m. Break

4 p.m. Connecting the Dots in Toms River and Beyond

Prof. Dan Fagin

Professor of Journalism and former Newsday reporter Dan Fagin will discuss his Pulitzer Prize winning book, *Toms River: A Story of Science and Salvation*, which tells in great depth the story of how the drinking water became contaminated in Toms River. Many conference attendees will know

Approved 1 W/WW TCH

elements of this story. Mr. Fagin will enlarge their understanding with a presentation about the writing of the book, its aftermath in Toms River, for environmental journalism, and more. Prof. Fagin will also discuss the role of journalism in democracy

Please join the AEA community at a reception immediately following the presentation.

“Toms River: A Story of Science and Salvation” will be available for purchase and Prof. Fagin will be available to sign copies.

Wednesday, March 15

7:30 a.m. Continental breakfast and exhibits open

8:30 a.m. Welcome

8:40 a.m. Redevelopment and Utility Infrastructure Improvements

Joseph J. Maraziti, Jr., Maraziti Falcon, LLP

.5 W/WW TCH; 1 CPWM

Redevelopment agreements (RAs) under the Local Redevelopment and Housing Law (LRHL) gives municipalities options they don't have under the more restrictive Municipal Land Use Law (MLUL). Because RAs may include multiple municipal amenities, these RAs present municipalities with the opportunity to negotiate with redevelopers for

enhanced infrastructure improvements. This can help them solve CSO and Infiltration/Inflow problems, expand sewer and water capacity, and reduce water and sewer allocation needs. The presenter will explain redevelopment agreements and how municipalities and authorities can take advantage of the opportunities they present.

9:25 a.m. Connection Fee Reform

Diane Alexander, Maraziti Falcon, LLP; Dennis Palmer, Landis SA, Steve Blankenship, Hamilton Township MUA (Atlantic); Sid Weiss, Esq., SE Morris MUA

.5 W/WW TCH; 1 CPWM

An AEA team has been developing legislation to clarify the rules on connection fees and give AEA members statutory support for charging connection fees when the user increases its use of the water or wastewater

system. The presenters will discuss how the effort came about, what the emerging proposal looks like, and how it will be a benefit to AEA member authorities and municipal systems.

10:15 a.m. AEA NJPDES Committee Update

Pilar Patterson, Kleinfelder/Diane Alexander, Maraziti Falcon.

.5 W/WW TCH; 1 CPWM

The NJPDES Committee is one of AEA's most crucial committees. It takes on many water quality and permit-related issues, advocating to DEP, participating in stakeholder processes, commenting on proposed rules and more. Many times NJPDES committee recommendations spur AEA to challenge rules or propose different regulatory approaches to the DEP. Currently the committee's work revolves around Sufficiently Sensitive Testing

Methods regulations, drinking water protection, and phosphorous regulations. The committee also monitors issues such as EPA efforts to tighten rules relating to blending and mixing. This presentation will update attendees on current permit-related issues, increase their understanding of these issues, and give important insights that can be applied in their own organizations.

10:45a.m. Break

11 a.m. Concurrent Sessions

Session 15A: Energy

Energy Management Plan for a Water System

Sami F. Sarrouh, T&M Associates

Approved for .5 W/WW TCH / .5 CPC

This presentation will discuss the various aspects of a balanced energy management plan and how to apply it. This approach, researched and tested at a major U.S. water system, balances technology, management and water quality measures to save energy and cost without negatively affecting water or effluent discharge quality. This approach was incorporated in an energy management plan that exceeds U.S. EPA, U.S. Department of Energy and other guidelines, and it has been used as the basis for some of the content of the AWWA energy management handbook.

Session 15B: Solid Waste

Recycling Markets Impacts On Solid Waste Management Systems: Looking At The Big Picture

Ronald Delo, P.E., D&B Engineers

This presentation will brief attendees on downturn in the recyclables' value, examining causes and impacts ("Green Fence"; declines in petroleum prices and quality). Using specific examples of economic and systems operations analyses, marketing strategies, and contractual provisions, the presenter will discuss how by the private sector has responded, suggest responses based upon the linkage between market prices and fuel prices, and offer additional MRF operations, contracting and budgeting approaches for managing this reality.

11:45 a.m. Session ends

12:15 p.m. Luncheon

Following the morning presentations, join us for the annual Wave Award luncheon and Environmental Professional Development Academy recognition ceremony.



Complete ONLY if you are a new registration. Registrations from March dates will be moved to new dates, unless attendee requests otherwise.

Association of Environmental Authorities Utility Management Conference
April 25 and 26, 2017 ~~~ Caesar's, Atlantic City

New location!



Featuring Annual Wave Award Luncheon

Registration Fees**

Plan A: \$345 Full Conference

Plan B: \$245 Tuesday Only (incl. lunch/reception)

Plan C: \$195 Wednesday Only (incl. breakfast/lunch)

Plan D: \$90 Spouse Full (incl. all food functions)

Plan E: \$55 Spouse Tuesday (incl. lunch/reception)

Plan F: \$55 Spouse (including breakfast/lunch)

****Non-members add \$75 additional to each plan**

Returning a copy of this completed form insures you a reservation at the above seminar/conference. Send us the form with or without a check. No need to send your voucher for a separate signature. **This form has been approved by the Local Finance Board and meets the requirements for certification of performance of service.**

NO REFUNDS AFTER April 7, 2017

Affiliation _____

Address _____

Phone _____ **Fax** _____ **Email** _____

***PLEASE READ before you complete the forms on the following pages!
Complete registration and, as appropriate, licensing and certification sections.***

Tuesday, April 25 will open with a plenary session at 1 p.m. At approximately 2:15 p.m., concurrent sessions will be held. On Wed., April 26, a plenary session will be held, and at approximately 10:45 a.m. concurrent sessions will be held. **All registrants attending must choose a concurrent session: for Tuesday, either session 25(14)A or 25(14)B, and for Wednesday, either session 26(15)A or 26(15)B,** so that we can ensure adequate seating.

Tuesday, April 25 – Please choose
Concurrent Session 25A(14A): Biosolids
OR
Concurrent Session 25B(14B): Drinking Water

Wednesday, April 26 – Please choose
Concurrent Session 26A(15A): Energy Management
OR
Concurrent Session 26B(15B): Recycling Markets

Name of Registrant <i>(Water/wastewater licensees: Please provide info here AND below.)</i>	Plans A-F <i>(Choose one)</i>	Conrrent Sessions <i>(Indicate one each day and for each attendee)</i>		Cost
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		25(14)A or 26(14)B	26(15)A or 26(15)B	

**The following information is required
so that water/wastewater licensees are properly credited for CEUs!**

Name of Licensee Who Will Attend <i>(Name MUST be EXACTLY as it appears on license.)</i>	License Type	License Number <i>(6 or 7-digit License # must appear EXACTLY as on license, including an zeros!)</i>						

Certification by Approval Official

I certify and declare that this bill/invoice is correct, and that sufficient funds are available to satisfy this claim. The payment shall be chargeable to: Appropriation Account(s) and Amounts Charged: _____

IN HOUSE PO# _____ Signature: _____

Date: _____ Title: _____

CFO, Finance Director

Certification by Receiving Agency

I, having knowledge of the facts, certify and declare that the goods have been received or the services rendered and are in compliance with the specifications or other requirements, and said certification is based on signed delivery slips or other reasonable procedures, or verifiable information.

Signature: _____ Title: _____

Date: _____

Claimant's Certification and Declaration

I do solemnly declare and certify under penalties of the law that the bill or invoice is correct in all its particulars; that the goods have been furnished or services have been rendered as stated herein; that no bonus has been given or received by any person or persons within the knowledge of this claimant in connection with above claim; that the amount therein stated is justly due and owing; and that the amount charged is a reasonable one.

Date: February/March 2017 ~ Federal Identification Number: 22-2405796 Signature: Karen Burris Position: Office Manager

Make checks payable to AEA ~ No credits cards accepted.

Mail or fax to:

2333 Whitehorse-Mercerville Road, Suite 2, Mercerville, NJ 08619 or fax to (609) 584-8271

*If number of registrants/licensees exceeds available space,
please duplicate form and attach.*