

# Stormwater Management Summit:



## Building Partnerships for Clean Water

Co-sponsored by Pennsylvania's leading organizations representing the state's drinking water and wastewater sectors

**November 13 & 14**  
**The Penn Stater Conference Center**  
**State College, PA**

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✓ **exhibitor**

✓ **sponsor**

**[www.pwea.org](http://www.pwea.org)**

# Stormwater Management Summit

**MONDAY, NOVEMBER 13**

**8:30 – 9:30am: Registration and Welcome Hour with Exhibitors**

**9:30 – 9:35am: Welcome**

**Nathan Walker, AICP, Amec Foster Wheeler, PWEA Stormwater Committee Chair**

**9:35 – 10:00am: Keynote Presentation - Navigating the Changing Regulatory Landscape**

**Chris French, Director of the Water Environment Federation's Stormwater Institute**

The diversity of national and state stormwater regulations and permit programs can provide opportunities for agile stormwater professionals to protect our water resources. In addition, financing stormwater programs is one of the greatest challenges facing the stormwater sector today. Chris will provide an overview on current stormwater regulation and funding trends and what this could mean for the future.

**10:00 – 10:30am: Legal and Regulatory Requirements Applicable to Municipal Stormwater Programs**

**Steven A. Hann, Esquire (PMAA East Region Solicitor),**

**Hamburg, Rubin, Mullin, Maxwell & Lupin, P.C.**

Implementing a successful Municipal Stormwater Program is dependent upon an understanding of the Federal/ State legal and regulatory requirements related to stormwater. This presentation will provide attendees with a basic understanding of such requirements, and address compliance issues and options that are germane to a municipality's stormwater obligations.

**10:30 – 11:00am: Lessons Learned in Improving TMDL and Pollutant Reduction Plans**

**Beth Uhler, Cedarville Engineering Group, LLC**

TMDL and Pollutant Reduction Plans should contain BMPs that are practical, economical, and environmentally beneficial, while addressing the regulatory thresholds. This presentation will share lessons learned in improving these continually evolving documents by comparing and contrasting challenges in urban, suburban, and more rural MS4 case studies.

**11:00 – 11:15am: Break with Exhibitors**

**11:15 – 11:45am: Cloudburst Analysis: Tools and Methods**

**Zachary Ranstead, PE, LEED-AP, T&M Associates**

Cloudbursts are extreme amounts of precipitation occurring for a short duration over a small area. Presentation investigates an instance of extreme precipitation/flooding that occurred in Allentown, PA and demonstrates fast-processing of public NOAA NEXRAD Radar Precipitation Data to quantify a cloudburst event. Data used to consider storm-sewer infrastructure performance.

**11:45am – 12:15pm: Upkeep and Upgrades: Lessons Learned in Maintaining Green Infrastructure**

**Kate Austin, Ruth Ayn Hocker, and Kurt Lefever, all with the City of Lancaster**

Six years into Lancaster's Green Infrastructure Plan, inspections, maintenance, and retrofits are key to keeping the City's GI practices functioning at optimum. Staff will present on the challenges of operating and maintaining GI practices in parks, right of ways, and public properties and opportunities to improve upon previously implemented designs.

**12:15 – 1:30pm: Lunch with Exhibitors**

**1:30 – 2:00pm: A Community-Based Approach to Green Infrastructure**

**Claire Maulhardt, Capital Region Water, and Andrew Dobshinsky and Mary Morton, both with WRT**

With its Community Greening Plan, Capital Region Water has committed to the implementation of green stormwater infrastructure throughout Harrisburg as part of its stormwater management strategy. While facing common stormwater issues, Capital Region Water is taking a novel approach to implementation—empowering Harrisburg residents to partner in public realm transformation.

**2:00 – 2:30pm: Places + Performance: Integrating Green Infrastructure into Pittsburgh's Urban Fabric**

**John Ross, Arcadis, and Christine Mondor, evolve EA**

With completion of their comprehensive Sewershed Urban Design Study, Pittsburgh Water and Sewer Authority is consciously shaping their greenspace to be ecologically high performing amenities that are not only economically viable solutions to the City's wet-weather needs, but also sustainable and adaptive benefits to the City's urban fabric.

**2:30 – 3:00pm: Embracing Stormwater: Overcoming the Challenges to Benefit Residents, the Municipality, and an Authority's Own Operations**

**Wayne Schutz and Michael Callahan, both with Derry Township Municipal Authority**

Many authorities are cautious about adding stormwater management to their responsibilities because of uncertainty about the number and condition of assets they'll be taking on and the resources and staffing required to manage them. Derry Township Municipal Authority's example shows how open, collaborative communication with municipal staff and a holistic assessment of the municipality's MS4 permit, stormwater program and assets can help an authority move beyond its concerns toward the opportunity stormwater acquisition presents.

**3:00 – 3:30pm: Break with Exhibitors**

Stormwater continues to demand more attention and resources from municipal and environmental professionals across Pennsylvania in order to meet regulatory requirements and improve water quality. Moving into the next decade, the need for affordable and sustainable stormwater management will require practitioners to avoid thinking in the silos of water, wastewater, and stormwater services, and take a unified approach to managing all of our water resources.

That is why PWEA, PMAA, and PA-AWWA have joined together in presenting an integrated approach to water resource management. The Pennsylvania Stormwater Management Summit: Building Partnerships for Clean Water includes presentations on regional planning, sediment reduction, permit compliance, and multi-disciplinary methods to water management.

**Looking forward to seeing you in State College this fall!**

**All sessions and activities are held in Presidents Hall.**

# Stormwater Management Summit

## **3:30 – 4:00pm: How the Wyoming Valley Sanitary Authority is Cutting MS4 Compliance Costs with a Regional Approach to Stormwater Management and Watershed Planning**

**Adrienne Vicari, PE, Herbert, Rowland & Grubic, Inc., and Jim Tomaine, PE, Wyoming Valley Sanitary Authority**

Wyoming Valley Sanitary Authority's approach to regional stormwater management includes local, county, state, and federal partnerships that significantly reduce the cost of Pollution Reduction Planning and MS4 compliance. This presentation provides insight for how municipal personnel can implement similar strategies and yield cost savings that benefit their municipality's bottom line.

## **4:00 – 4:30 pm: Stormwater Retrofits on School Properties: Going From Assessment to Construction, and Navigating Through Constraints**

**Mike Galvin and Jeremy Koser, both with Johnson, Mirmiran & Thompson**

This presentation will describe the process of assessing a parcel for stormwater management opportunities, maximizing treatment, ensuring the design intent is carried through during construction and navigating all the constraints along the way! This project included the construction of one rain garden, two bioswales, two bioretentions and eleven microbioretention facilities.

## **4:30 – 6:00pm: Reception with Exhibitors**

Enjoy complimentary beer and snacks while you network with your colleagues and the vendors.

## **TUESDAY, NOVEMBER 14**

### **7:30 – 8:30am: Breakfast with Exhibitors**

### **8:30 – 9:00am: Long Term Control Plan Affordability for Public 'Buy-In'**

**Michael J. Hope and Jean Malafronte, both with Greeley and Hansen**

Determining a Permittee's and the rate payers' financial capability are an integral part in implementing CSO controls and long term control measures that are affordable to all contributing parties. This presentation will discuss the elements of a Financial Capability Assessment and present three case studies as well as lessons learned for various size systems.

### **9:00 – 9:30am: Integrated Watershed Management: The Challenges and Opportunities for Collaboration**

**Ruthann L. Omer, PE, Gateway Engineers, Inc., and Lisa Werder Brown, Saw Mill Run Watershed**

This presentation focuses on creating an Integrated Watershed Management Plan for Stormwater in an urbanized watershed that includes 12 separate municipalities. In early 2015, the Saw Mill Run Watershed began to develop an Integrated Watershed Management Plan. Progress has been made but the IWMP has not been without challenges.

### **9:30 – 10:00am: Major Regulatory Issues Arising with EPA/DEP Mandates on MS4 Permits**

**John C. Hall, Gary B. Cohen, and William T. Hall, all with Hall & Associates**

DEP has recently begun issuing MS4 Permits to address TMDL requirements and/or downstream water quality impairments. Many permits have begun to include requirements that exceed regulatory authority, create unattainable/inappropriate pollution reduction mandates and cause ongoing non-compliance, limiting future growth. This presentation addresses legal concerns associated with such MS4 permit provisions.

### **10:00 – 10:30am: Break with Exhibitors**

### **10:30 – 11:00am: Authorities Taking on Stormwater**

**Tim Dean, PE, Amec Foster Wheeler**

Municipalities across Pennsylvania are looking to amend the structure of their existing water and wastewater authorities to take on growing stormwater responsibilities. What does this mean for you? Will it change staffing needs? Will it increase your exposure to growing water quality regulations? Learn about how four authorities in Pennsylvania are answering these questions and how they are gearing up to provide stormwater services to their ratepayers into the future.

### **11:00 – 11:30am: The Role of Environmental Non-profits in Implementing Stormwater Management**

**Alice R. Baker, PennFuture, and Susan Myerov, Pennsylvania Environmental Council**

This presentation will provide an overview of the ways in which nonprofits and watershed groups engage on stormwater management, the range of expertise these groups can bring to the table and can be leveraged to comply with regulatory requirements, and how municipalities can take advantage of these resources.

### **11:30am – Noon: MS4 Pollutant Reduction Plan Implementation and How to Utilize Your GIS Asset Management Tools**


**Kevin A. Brett, PE, and Shawn R. Wingrove, EIT, both with Lennon, Smith, Souleret Engineering, Inc.**

As municipalities begin implementation of their Pollution Reduction Plans (PRPs), a GIS and asset management program will be a critical tool in efficiently tracking PRP compliance, including locations, pollutant reductions, and maintenance of PRP BMPs. This presentation will focus on the usefulness of GIS tools in managing documentation of PRP compliance.

### **Noon – 12:15pm: Closing Remarks: Current State and Future of Stormwater Management in Pennsylvania**

Hear from the leaders of PMAA, PWEA and PA AWWA on the state of stormwater management in Pennsylvania

### **12:15pm: Adjourn**

 The Pennsylvania Water Environment Association is dedicated to environmentally responsible operations. We are proud to print this publication on an environmentally responsible paper.

## Our Mission



PWEA's mission is to enhance the knowledge and abilities of Pennsylvania's water quality professionals, promote sound sustainable water policies, and promote public awareness of the need to protect water resources.

PWEA's members are water quality professionals including operators, facility operations/maintenance personnel, facility supervisors/managers, laboratory personnel, engineers, municipal administration/officials, government regulators, manufacturers, students and academia.

[www.pwea.org](http://www.pwea.org)



Since 1942, PA Municipal Authorities Association has been the primary voice for authorities providing environmental infrastructure and other community services across the Commonwealth.

PMAA's services include advocacy on governmental affairs and regulatory issues, training programs, educational publications and resource materials.

PMAA is the largest association in Pennsylvania specifically representing interests of municipal authorities.

[www.municipalauthorities.org](http://www.municipalauthorities.org)



PA-AWWA is dedicated to providing leadership and resources for the full spectrum of the Pennsylvania water community to provide safe, affordable, and sufficient water.

PA-AWWA advances technology, education, science, management, and governmental policies.

PA-AWWA offers education to water professionals; advocates for safe and sustainable water; collects and shares knowledge; creates volunteering opportunities.

[www.paawwa.org](http://www.paawwa.org)



# Registration

## Stormwater Management Summit

Monday, November 13 & Tuesday, November 14, 2017

The Penn Stater Conference Center Hotel • State College, PA

Rooms have been reserved at  
The Penn Stater  
Conference Center Hotel  
215 Innovation Blvd.  
State College, PA 16803  
800-233-7505  
thepennstaterhotel.psu.edu  
Room Rate \$116  
Reference reservation  
ID #PJCC17A

### Continuing Education

Professional Development Hours (PDH) will be provided to Professional Engineers for the sessions attended. Tracking sheets will be provided to document attendance, and certificates will be provided after the conference. Up to 9.5 PDHs are available for attending the full conference.

Name: \_\_\_\_\_ Nickname (for badge): \_\_\_\_\_

Organization: \_\_\_\_\_

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

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

Phone: \_\_\_\_\_ PE License #: \_\_\_\_\_

Email: \_\_\_\_\_

### Registration fee per person:

Members:  \$250

Non-Members:  \$300

### Registration Deadline

The deadline to register in advance is October 25th.

### HOW TO REGISTER:

**Online:** Through PWEA's website at [www.pwea.org](http://www.pwea.org), click Event Registration under the Calendar tab, then click the Register link for the Summit.

**With this form:** Mail to: **PWEA Registrations**, PO Box 61, Blossburg, PA 16912; fax to: (570) 549-2221; or email to: [cindyrock@pwea.org](mailto:cindyrock@pwea.org)

### METHOD OF PAYMENT (due at time of registration)

Make check payable to PWEA

Card # \_\_\_\_\_ Exp.: \_\_\_\_\_ Security Code: \_\_\_\_\_

Name (as it appears on card): \_\_\_\_\_ Signature: \_\_\_\_\_

Billing Address (if different than above): \_\_\_\_\_

### Cancellation & Substitution Policy

Cancellations received in writing by October 20th will receive a full refund less a \$30 administrative fee. No refunds will be made after that date. Substitutions may be made until October 25th and must be made in writing, accompanied by a registration form for the substitute.

Questions? Contact Cindy Rock at 570-549-2204



# Sponsors & Exhibitors

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### Sponsor!

Choose your sponsorship(s) and receive recognition: your company contact information included in every registration packet; high visibility signage at the event featuring your company; and recognition from the podium.

**Monday:**  AM Break – \$300  Lunch – \$400  PM Break – \$300  Reception – \$350

**Tuesday:**  Breakfast – \$400  Break – \$300

### Exhibit!

As an exhibitor, you will receive: 1 complimentary booth representative registration; 6-foot table for a display; your company contact information included in every registration packet; high visibility signage at the event featuring your company; and recognition from the podium.

**Exhibit Fee:**  Members – \$500  Non-Members – \$650  
includes 1 registration (additional booth representatives must register separately)

#### Exhibit Hours

**Monday:** 8:30 - 9:30 am      11:00 - 11:15 am      12:15 - 1:30 pm      3:00 - 3:30 pm      4:30 - 6:00 pm  
**Tuesday:** 7:30 - 8:30 am      10:00 - 10:30 am

Company: \_\_\_\_\_

Contact: \_\_\_\_\_ Email: \_\_\_\_\_

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

City, State, Zip: \_\_\_\_\_ Phone: \_\_\_\_\_

Booth Representative Name: \_\_\_\_\_

Booth Representative Email: \_\_\_\_\_

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**Total amount due** \$ \_\_\_\_\_

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