

CONVENTION CENTER  
MONROEVILLE • PA



**18<sup>th</sup> 3 RIVERS  
ANNUAL WET WEATHER  
SEWER  
CONFERENCE**



**'12**  
OCTOBER  
**'13**  
2016

*Cover photo of the giant yellow rubber duck reflecting  
on the Allegheny River courtesy of Heather Dodson.*



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Welcome to the 18th Annual 3 Rivers Wet Weather Sewer Conference. As we plan this two-day event each year, it brings to mind that change is difficult on any front, but when it addresses a costly public health and economic development issue related to underground, out-of-sight, deteriorated public infrastructure and it challenges the fragmented municipal ownership that has been in place for decades, it can seem insurmountable to make effective change. 3 Rivers Wet Weather, with its organizational mission to improve water quality, has worked over the last 15+ years to build consensus among more than 83 communities and sewer authorities led by more than 500 local municipal officials, who now agree that the most cost-effective long-term regional wet weather solution for southwestern Pennsylvania is through regionalization. Thank you for joining us for our 2016 conference as we explore the progress made on wet weather issues and learn new approaches for addressing the challenges that lay ahead.

**John W. Schombert**  
Executive Director, 3 Rivers Wet Weather

**M**any thanks to  
**our conference  
sponsors:**



Lennon, Smith, Souleret  
Engineering, Inc.  
Civil Engineers and Surveyors



**Michael Baker**  
INTERNATIONAL



# Conference Information

## Registration

Registration fee: \$75 by September 30, 2016. After September 30: \$85. Mail, fax or email ([conference@3rww.org](mailto:conference@3rww.org)) your registration with a check payable to 3 Rivers Wet Weather OR register online at [www.3riverswetweather.org](http://www.3riverswetweather.org) and pay using a credit card through Paypal. (You do not need a Paypal account to complete payment.) Fee includes registration, conference materials, meals for both days and an opportunity to win an exhibitor-sponsored prize package. To avoid long registration lines at the conference, complete your registration by 11:59 p.m. EST on October 5. If you are not registered by this deadline, you will need to register on-site at the conference beginning at 8 a.m. on Wednesday, October 12. Walk-in registrations are not guaranteed to receive conference promotional items. For registration questions about the conference, contact 3 Rivers Wet Weather at 412-578-8375 or email: [conference@3rww.org](mailto:conference@3rww.org).

## Continuing Education

A continuing education form will be provided at the conference so that attendance can be verified.

### Certified Wastewater Operators

This two-day conference is a DEP-approved wastewater training program. Pennsylvania-certified wastewater operators can earn up to four contact hours by attending the two-day event. If you are a certified wastewater operator, please include your 5- or 6-digit DEP Client ID number on your continuing education form. Note: Class A, B and C wastewater operators need to complete 15 contact hours for the first renewal (3 years) and 30 for every renewal thereafter. Class D and E operators need 8 hours and 15 hours subsequently.

### Licensed Professional Engineers

Licensed professional engineers may use the continuing education form to request a conference completion certificate. Your professional licensing board will determine the credit earned from attending the conference.

## Cancellations

Cancellations must be received no later than noon on October 5 for a refund. Online and fax registrations are considered an attendance commitment; such registrations will be invoiced unless cancelled. Substitutions (from the same organization/company) may be made. However, 3RWW requests notification prior to the conference for preparation of registration materials.

## Room Reservations

A block of rooms is reserved at the Doubletree Hilton (on-site next to the Monroeville Convention Center) for conference attendees and exhibitors for \$132/night. Visit [www.3riverswetweather.org](http://www.3riverswetweather.org) to make your room reservation at this discounted rate or call the Doubletree at 412-373-7300 by October 3.

## Directions

Monroeville Convention Center, 209 Mall Boulevard, Monroeville, PA 15146.

- **From Pittsburgh via the Parkway East (I-376):** Merge onto I-376 E/US-2E/US-30E via the ramp to Monroeville. Continue to follow I-376 E/US-22E. Use exit 10B for US-22 Business toward Monroeville. Merge onto US-22/William Penn Highway and continue to follow William Penn Highway. Turn right at Mall Blvd. The Monroeville Convention Center is located on your right (approximately 1/4 mile).
- **From the Pennsylvania Turnpike (I-76):** Take Exit 57 to merge onto I-376 West toward Pittsburgh/US-22. Take the US-22 Business Exit on the left toward Monroeville. Merge onto US-22 William Penn Highway and continue to follow William Penn Highway. Turn left at Mall Blvd. The Monroeville Convention Center is located on your right (approximately 1/4 mile).
- **From the Airport:** Head North on Airport Blvd. toward Pittsburgh. Make a slight right to stay on Airport Blvd. Merge onto PA-60 South via the ramp I-79 Pittsburgh/Pennsylvania Turnpike. Continue on US-22 East /US-30 East. Take I-376E (Look for signs I-376/Monroeville). Take exit 10B for US-22 Business toward Monroeville. Merge onto US-22/William Penn Highway. Turn right on Mall Boulevard. The Monroeville Convention Center is located on your right (approximately 1/4 mile).

## Parking

Free outdoor parking is located outside the South Gallery entrance of the Monroeville Convention Center. If this parking area is full, another large parking area is available near the Center's North Entrance. However, to gain admission to the 3 Rivers Wet Weather sewer conference, you will need to enter through the South Gallery doors.

# Conference Schedule

## Wednesday, October 12, 2016

8:00-8:55 a.m.	<b>Registration, Continental Breakfast &amp; Exhibit Hall</b>
8:55-9:00 a.m.	Welcome <i>John Schombert</i>
9:00-9:30 a.m.	<b>Keynote Address:</b> Regionalization is a Marathon, Not a Sprint <i>Mark Nordenberg</i>
9:30-10:15 a.m.	ALCOSAN Service Area Sewer Regionalization Update <i>Jan Oliver &amp; Chris Macey</i>
10:15-11:00 a.m.	<b>Break in Exhibit Hall</b>
11:00-11:30 a.m.	Water & Wastewater Affordability Issues Taking Center Stage <i>Adam Krantz</i>
11:30 a.m.-12:00 p.m.	Combining Source Control with a Traditional Storage-based CSO Control Approach <i>Donal Barron</i>
12:00-1:30 p.m.	<b>Lunch and Exhibit Hall</b>
1:30-2:00 p.m.	Addressing Resiliency and Water Quality with One Investment <i>James Stitt</i>
2:00-2:30 p.m.	Lessons Learned in Cincinnati's Source Control Program <i>Leisha Pica &amp; Sam Shamsi</i>
2:30-3:15 p.m.	<b>Break in Exhibit Hall</b>
3:15-3:45 p.m.	Green Stormwater Infrastructure: Real Costs From Large-Scale Programs <i>Andrew Potts &amp; Brian Marengo</i>
3:45-4:15 p.m.	Private I/I Reduction Implementation: Is it Half the Battle? <i>Mike Fitzhenry &amp; Sarita Melendez</i>

## Thursday, October 13, 2016

8:00-9:00 a.m.	<b>Registration, Continental Breakfast &amp; Exhibit Hall</b>
9:00-10:00 a.m.	Source Reduction Roundtable <i>Panel of municipal and regulatory experts</i>
10:00-10:30 a.m.	The Bottom Line: How ALCOSAN Can Help Municipalities Reduce Their Excess Storm/Groundwater <i>Timothy Prevost</i>
10:30-11:15 a.m.	<b>Break in Exhibit Hall</b>
11:15-11:45 a.m.	Climate-Resilient Stormwater Management <i>Jordan Fischbach</i>
11:45 a.m.-12:15 p.m.	What is Blueprint Columbus? Steps to Success in the Hilltop <i>Kari Mackenbach</i>
12:15-1:30 p.m.	<b>Lunch and Exhibit Hall</b>
1:30-2:00 p.m.	Building Community Support for Clean Water <i>Jeanne Clark</i>
2:00-2:30 p.m.	TMDL Measurable Compliance Strategies & MS4 Requirements: Balancing Objectives <i>Anna Lantin &amp; Ron Ciucci</i>
2:30-3:00 p.m.	York County Regional Stormwater Authority Feasibility Study <i>Nathan Walker &amp; Elizabeth Treadway</i>
3:00-3:30 p.m.	Allegheny County Act 167 Plan <i>John Shannon &amp; William McClain</i>

### Key to session categories:

Look for these symbols, which represent key topic areas that are critical to solving the wet weather issue.



Regional Wet Weather Plan Implementation



Regionalization of the Sewer System



Source Reduction & Green Infrastructure



Flow Control



Improving our Region's Water Quality

# Session Guide

Wednesday, October 12, 2016

8:00-8:55 a.m.

Registration, Continental Breakfast & Exhibit Hall

8:55-9:00 a.m.

Welcome: John Schombert

9:00-9:30 a.m.

KEYNOTE SPEAKER



**Regionalization is a Marathon, Not a Sprint**

Mark Nordenberg ●  
University of Pittsburgh



Over the last 20 years, numerous studies and reports have identified the inefficiencies of our local government structure and the impact on vital services. Respected organizations, such as the Environmental Law Institute in D.C., the National Academy of Science, the Southwest Planning Commission, and the Allegheny Conference for Community Development have highlighted those inefficiencies in our sewage conveyance and treatment infrastructure. As Chancellor of the University of Pittsburgh, Mark Nordenberg was enlisted to chair the Citizens Advisory Committee on Efficiency and Effectiveness of City County Government, which culminated in a report in 2008 recommending significant consolidation of governments and services. As ALCOSAN and its customer communities move forward with regionalization of multi-municipal trunk sewers, the vision of more efficient and cost-effective services will help reach the water quality improvements that the regulatory agencies have required. Mark will provide his thoughts on the region's progress.

*Mark A. Nordenberg is Chancellor Emeritus, Distinguished Service Professor of Law and Chair of the Institute of Politics for the University of Pittsburgh. He joined the faculty of Pitt's School of Law in 1977 and has served as Dean of the*

*School of Law and as Interim Provost of the University. In 1996, following a national search, he was elected Chancellor. He has been named Pittsburgh's Person of the Year and a History Maker by the Senator John Heinz History Center. In 2012, to recognize Mark's contributions to the University, Pitt trustees announced the naming of the Mark Nordenberg residence hall and the Nordenberg Leadership Scholarship Fund. He is a graduate of Thiel College and the University of Wisconsin Law School.*

**Contact:** 412.624.4301

9:30-10:15 a.m.



**ALCOSAN Service Area Sewer Regionalization Update**

Jan Oliver ● ALCOSAN  
Chris Macey ● AECOM

In an effort to help regionalize southwestern Pennsylvania's sewer collection system, ALCOSAN is leading the transfer of 200 miles of multi-municipal sewers and numerous wet weather facilities to the Authority. This presentation will provide a status of the identification and assessment of inter-municipal conveyance lines and wet weather control facilities. It will also provide insight into tools, techniques and procedures being used to gather, assess and process the condition assessment data, as well as other types of data. This involves outreach and municipal coordination, gathering of existing information on sewers and facilities to be transferred, collection of sewer inspection data, and condition assessment.

*As Director of Regional Conveyance, Jan Oliver, is responsible for the operation and maintenance of ALCOSAN's intercepting sewer system. She leads the multi-municipal trunk sewer regionalization efforts, which will triple the size of ALCOSAN's system. She began her career with ALCOSAN in 1991 and served as director since 2003. She holds a B.S. in Civil Engineering Technology from Point Park University.*

**Contact:** 412.734.8351 or jan.oliver@alcosan.org

*Chris Macey is the AECOM Americas Technical Practice Leader for Condition Assessment and Rehabilitation of Underground Infrastructure. With over 30 years' experience, Chris is an expert in condition assessment techniques for pipelines. Chris graduated from University of Manitoba, Canada in 1977 and has been working with AECOM since 1978.*

**Contact:** 204.928.7423 or chris.macey@aecom.com

# Session Guide

Wednesday, October 12, 2016

**10:15-11:00 a.m. Break in Exhibit Hall**

**11:00-11:30 a.m.**



## **Water and Wastewater Affordability Issues Taking Center Stage**

Adam Krantz •

National Association of Clean Water Agencies

Water service affordability has been a concern for several years as utilities have been increasing rates significantly to keep pace with new environmental compliance obligations and to upgrade outdated infrastructure. In this session, attendees will learn about the challenges utilities face, how agencies can think critically when addressing the affordability challenges in their communities and about federal efforts to ensure a sustainable path forward for communities to sufficiently invest in their water and wastewater infrastructure while also ensuring low-income households do not bear a disproportionate financial burden.

*Adam Krantz, CEO of NACWA, was previously the Managing Director of Government & Public Affairs. Prior to joining NACWA in 2001, he was an associate editor at Inside Washington Publishers covering national water quality initiatives. He has served as the President of the Federal Water Quality Association and Vice President of the U.S. Water Alliance. Adam has degrees from Columbia University, the American University's Washington College of Law and the University of Chicago.*

**Contact:** 202.833.4651 or akrantz@nacwa.org

**11:30 a.m.-12:00 p.m.**



## **A Hybrid Project: Combining Source Control with a Traditional Storage-based CSO Control Approach**

Donal Barron • Jacobs

In recent years, techniques for controlling CSOs have shifted to focus on source reduction. Pumping the contents to treatment is not the solution of the future, but in most cases a large CSO community with billions of gallons of overflow also cannot eliminate the problem completely with techniques such as green infrastructure or stream daylighting. You will hear how, through an adaptive management approach, green solutions can enhance the performance of a more traditional solution and replace or augment individual elements.

*Donal has more than 30 years' experience in water, wastewater and wet weather engineering. This includes more than 10 years assisting municipalities in implementing very large water, wastewater and CSO control projects. He has a degree in Civil Engineering from University College in Dublin, Ireland and an MBA from Trinity College, Dublin.*

**Contact:** 703.674.6009 or donal.barron@jacobs.com

**12:00-1:30 p.m. Lunch and Exhibit Hall**

**1:30-2:00 p.m.**



## **Addressing Resiliency and Water Quality with One Investment**

James Stitt • Pittsburgh Water & Sewer Authority

PWSA is committed to eliminating raw sewage and contaminated stormwater impacts to the region's waterways through a long-term pollution control plan, which incorporates both green infrastructure and integrated watershed management. PWSA will provide an update on its City-Wide Green Infrastructure Assessment designed to determine how much stormwater can be cost-effectively captured with various green infrastructure technologies to maximize CSO reduction, address local sewage flooding, mitigate stream intrusion, and support stormwater management overlaid with urban planning.

*The Manager of Sustainability for PWSA, James Stitt is responsible for integrating sustainability principles throughout Authority operations. Recently, his efforts have focused on implementing watershed-wide strategies to promote green infrastructure practices for stormwater management throughout the City of Pittsburgh. James received an M.S. in Sustainable Systems from Slippery Rock University and a B.A. in Philosophy from the University of Pittsburgh.*

**Contact:** 412.255.8800 ext. 8544 or jstitt@pgh2o.com

# Session Guide

Wednesday, October 12, 2016

2:00-2:30 p.m.



## Case Study: Lessons Learned in Cincinnati's Source Control Program

Leisha Pica & Sam Shamsi • Jacobs

The Metropolitan Sewer District of Greater Cincinnati (MSDGC) is under a federal mandate to reduce sanitary and combined sewer overflows. Affordability concerns led MSDGC to seek alternative remedies that would reduce overflows, improve water quality and provide opportunities for redevelopment of blighted communities. In this session, participants will learn about MSDGC's Lower Mill Creek Partial Remedy Program with a focus on hydraulic modeling, overflow reduction verification, coordination with private stakeholders, and life-cycle cost comparisons with gray infrastructure solutions.

*Leisha Pica is Consent Decree Program Manager for Jacobs and has served as the Enterprise Manager for the MSDGC since 2011. Her responsibilities include overseeing all consent decree requirements as well as implementation and reporting of the annual Capital Improvement Program. She was directly involved with developing and negotiating the Lower Mill Creek Partial Remedy. She earned her B.S. in Civil Engineering from Purdue University.*

**Contact:** 513.244.3918 or leisha.pica@jacobs.com

*ASCE Pittsburgh's 2011 Distinguished Civil Engineer Award recipient, Dr. Sam Shamsi is the Northeast Wet Weather Practice Leader at Jacobs. He has served as Management Consultant – Modeling for the MSDGC since 2014. He has also taught GIS, Hydrology, and Water Resources Engineering courses at the University of Pittsburgh, Penn State University, and Youngstown State University. Sam earned his Ph.D. in Civil Engineering from the University of Pittsburgh in 1988.*

**Contact:** 412.249.3510 or sam.shamsi@jacobs.com

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**2:30-3:15 p.m. Break in Exhibit Hall**

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3:15-3:45 p.m.



## Green Stormwater Infrastructure: Real Costs From Large-Scale Programs

Andrew Potts & Brian Marengo • CH2M

Green stormwater infrastructure (GSI), like other clean water investments, is ultimately largely a financial decision. In this session, participants will learn about the real cost of GSI from hundreds of built projects across the country, how to use cost efficiency metrics and how to develop a business case evaluation for GSI. Proven strategies to reduce the cost of implementing and maintaining GSI will be highlighted.

*Andy Potts, a Senior Technologist for CH2M, has 16+ years' experience in stormwater management, green infrastructure, water resources, and sustainable site design applications. He was a co-author/contributor for the Michigan LID, the Pennsylvania Stormwater BMP, and WEF Green Infrastructure Implementation manuals. He has an M.S.C.E. from the University of Virginia and is a LEED-Accredited Professional.*

**Contact:** 215.640.9033 or andrew.potts@ch2m.com

*The Global Technology Leader for CH2M, Brian Marengo is a water resources engineer and former utility manager with more than 24 years' experience in developing innovative utility management and regulatory acceptance approaches for wet weather flow management. He has an M.S. in Environmental Engineering from Drexel and a B.S.C.E. from Lehigh.*

**Contact:** 215.640.9048 or brian.marengo@ch2m.com

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3:45-4:15 p.m.



## Private I/I Reduction Implementation: Is it Half the Battle?

Mike Fitzhenry & Sarita Melendez • Amec Foster Wheeler

The Metropolitan St. Louis Sewer District implemented a program that funds improvements on private property. During this session, attendees will hear about their approach to reduce inflow and infiltration from private sources into separate sanitary sewers including gaining property owner permissions to implement I/I reduction projects. Success of the program will be measured through the ability to reduce the scale and cost of planned public sewer capital improvement projects through private I/I reduction.

# Session Guide



Mike Fitzhenry is a Senior Project Manager for Amec Foster Wheeler's St. Louis office where he is managing facility projects for Metropolitan St. Louis Sewer District (MSD). Mike has 20 years' experience in the planning, modeling, design, and construction management of wastewater collection systems, storm water collection systems, and wastewater facilities.

**Contact:** 636.200.5146 or michael.fitzhenry@amecfw.com

Sarita Melendez serves as the project manager for private infiltration & inflow (I/I) projects in the St. Louis office for Metropolitan St. Louis Sewer District (MSD). Sarita is a registered professional engineer in Missouri and has 8 years' experience managing I/I reduction design projects, design of transportation and drainage systems, and construction management.

**Contact:** 636.200.5146 or sarita.melendez@amecfw.com

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## Thursday, October 13, 2016

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**8:00-9:00 a.m.**

**Registration, Continental Breakfast & Exhibit Hall**

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**9:00-10:00 a.m.**



### Source Reduction Roundtable

A panel of municipal and regulatory experts will discuss elements of source reduction opportunities and challenges as part of a regional wet weather plan. You'll hear about municipal progress, regulatory expectations and regional priorities. This will be interactive discussion with the audience.

**10:00-10:30 a.m.**



### The Bottom Line: How ALCOSAN Can Help Municipalities Reduce Their Excess Storm/Groundwater

Timothy Prevost • ALCOSAN

While green stormwater infrastructure and inflow/infiltration reduction cannot eliminate the need for traditional gray facilities, they can lead to significant reductions in sewer overflows, and an increase in cost savings and community benefits. ALCOSAN is committed to help lead the region into a future with sustainably clean water and green communities. The Authority will share the status of its progress on each of eight green source reduction initiatives as outlined in its "Starting at the Source" report.

Timothy Prevost, an ALCOSAN employee since 1997, became the Authority's Manager of Wet Weather Programs in 2003. In this current role, he oversees projects related to consent decree compliance to address sewer overflows. In 2013, the ASCE-Pittsburgh Chapter awarded him the Government Engineer of the Year award. Tim received his B.S. in Civil Engineering Technology from Rochester Institute of Technology.

**Contact:** 412.734.8731 or timothy.prevost@alcosan.org

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**10:30-11:15 a.m. Break in Exhibit Hall**

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**11:15-11:45 a.m.**



### Climate-Resilient Stormwater Management

Jordan Fischbach • RAND Corporation

Allegheny County currently faces a major challenge in effectively managing its water resources. The region's billion-dollar investment decisions are further complicated by a changing climate, with recent projections suggesting that the northeastern U.S. is expected to see increased precipitation. This session will cover an initial evaluation of the region's vulnerability to future climate and land use change. RAND will share the results of a study that used an analytical approach to evaluate and improve the performance of storm and wastewater management strategies across a wide range of possible future scenarios.

# Session Guide

Thursday, October 13, 2016

A Policy Researcher at the RAND Corporation, Jordan Fischbach is also Co-director of RAND's Water and Climate Resilience Center, and an affiliate faculty member at the Pardee RAND Graduate School. He is leading two parallel efforts to support resilience planning and improved stormwater management in Allegheny County and the City of Pittsburgh. He earned a B.A. in history from Columbia University and a Ph.D. in policy analysis from the Pardee RAND Graduate School.

**Contact:** 412.683.2300 ext. 4608 or jordan\_fischbach@rand.org

11:45 a.m.-12:15 p.m.



## What is Blueprint Columbus? Steps to Success in the Hilltop

Kari Mackenbach • ms consultants

Blueprint Columbus was approved by the Ohio EPA on December 1, 2015. This plan, which focuses on four strategies—lateral lining, sump pumps, roof water redirection and green infrastructure—has many advantages over the City's original Wet Weather Management Plan: it's faster and cheaper; it's greener; it's more affordable; it's more innovative; it's better for the neighborhoods and the local economy; and it's what the community wants. Attendees will learn about the benefits and lessons learned regarding Blueprint Columbus.

*Kari Mackenbach, Director of Sustainability for ms consultants, has been involved with several large scale green infrastructure programs across the U.S. She is a board-certified Environmental Scientist (BCES), Certified Floodplain Manager (CFM) and an Envision Sustainability Professional (ENV SP), which provides her with unique capabilities to work with communities and other professionals on multiple levels as it relates to sustainability and more specifically green infrastructure initiatives.*

**Contact:** 412.264.8701 or kmackenbach@msconsultants.com

12:15-1:30 p.m. **Lunch and Exhibit Hall**

1:30-2:00 p.m.



## Building Community Support for Clean Water

Jeanne Clark • ALCOSAN

Communicating the need to invest in our regional sewer system can be complicated and fraught with misunderstanding. Based on extensive state-of-the-art communications research and analysis, ALCOSAN has developed strategic messages and visuals to tell the clean water story and build community support for the Clean Water Plan. The Authority will share survey and other results, and discuss ways ALCOSAN can help elected officials gain community support.

*Jeanne Clark joined ALCOSAN as Public Information Officer in August 2014, where she is responsible for the Authority's municipal relations and outreach program. For more than 40 years, Jeanne served as a media strategist, author, trainer, and communicator, including 13 years as founding director of communications for PennFuture.*

**Contact:** 412.734.6222 or jeanne.clark@alcosan.org

2:00-2:30 p.m.



## TMDL Measurable Compliance Strategies & MS4 Requirements: Balancing Objectives

Anna Lantin & Ron Ciucci • Michael Baker International

The growing number of impaired waters poses a challenge for regulators and the regulated community on measurable compliance. In addition, enforceability of TMDLs through MS4 permits vary in requirements across the country. This presentation provides an overview of the status of impaired waters and TMDLs across the nation, examples of enforceable methods for TMDL implementation and measurable compliance, and an integrated watershed assessment tool for a restoration approach to assist with watershed, and local scale BMP, retrofit strategies.

# Session Guide

Thursday, October 13, 2016

*Anna Lantin is a Senior Vice President and the National Water Practice Lead for Michael Baker International. She is responsible for strengthening the firm's technical expertise and capabilities related to stormwater management, water and wastewater. Anna has extensive experience spanning over 25 years in stormwater management projects, and is a licensed professional civil engineer in six states.*

**Contact:** 949.472.3461 or alantin@mbakerintl.com

*Ron Ciucci is a Senior Associate and the Manager of Civil and Municipal Services for Michael Baker International. He is responsible for managing the day-to-day operations of the Pittsburgh municipal engineering department. Ron has 25 years' experience and is a licensed professional engineer in five states and a board-certified Environmental Engineer.*

**Contact:** 412.375.3005 or rciucci@mbakerintl.com

**2:30-3:00 p.m.**

## York County Regional Stormwater Authority Feasibility Study



Nathan Walker & Elizabeth Treadway ●  
Amec Foster Wheeler

Officials in York County anticipate when the next MS4 permit becomes effective, municipal pollutant load reduction targets will significantly increase. To prepare for this growing responsibility and to continue assisting municipalities with their water resources challenges, the York County Planning Commission initiated a process to assess the feasibility of a regional stormwater authority that could make regulatory compliance more efficient, and also determine whether the concept of a regional authority could gain support from local decision makers. You will learn about the five guiding principles for the process of implementing a regional water resources authority.

*For 17 years, Nathan Walker has advised institutional leaders, property managers, and elected officials on land use policy, permitting, and environmental stewardship issues. In the field of water resources, Nathan has written management plans for municipalities, state institutions, and military facilities that provide compliance solutions.*

**Contact:** 610.877.6037 or nathan.walker@amecfw.com

*Elizabeth Treadway has over 30 years' experience including the management of local government services in stormwater management. She was responsible as Department Director for the planning, development, financing and implementation of services for the City of Greensboro North Carolina.*

**Contact:** 703.488.3706 or  
elizabeth.treadway@amecfw.com

**3:00-3:30 p.m.**



## Allegheny County Act 167 Plan

John Shannon ● Michael Baker International  
William McClain ● Allegheny County

Allegheny County is developing a county-wide Act 167 Stormwater Management Plan (SWMP) and Model Ordinance. This session will provide an overview of the draft plan that will need to be adopted by all 130 municipalities in Allegheny County. Attendees will get a better understanding of the goals and objectives of the Plan and Ordinance and will learn more about this essential stormwater management planning project as well as how they can participate in the implementation of the plan.

*John Shannon is a Senior Project Manager with Michael Baker International headquartered in Pittsburgh. With over 40 years' experience, he serves as the Project Manager for the Allegheny County 167 Plan and the 3 Rivers Wet Weather Program Management Team. John graduated with a B.S. from the University of Virginia, and an M.S. in Environmental Engineering from the University of Pittsburgh.*

**Contact:** 412.375.3076 or jshannon@mbakerintl.com

*William McClain is a Planner with the Allegheny County Department of Economic Development, Planning Division. He is the Project Coordinator for the Act 167 Allegheny County Stormwater Management Plan. William graduated with a B.S. in Geography from The Pennsylvania State University and holds a Master of Urban and Environmental Planning from The University of Virginia.*

**Contact:** 412.350.1361 or wmclain@alleghenycounty.us

# Exhibitors Guide

## **A & H Equipment Company**

**Booth A**

Founded in 1963. The region's leading distributor of municipal and environmental equipment solutions. Combines top quality products and parts with expert, reliable support services for municipal, airport and contractor clients throughout Pennsylvania and West Virginia.

**Contact:** Perry Ohm ● 412.721.6990 ● r.ohm@ahequipment.com ● www.ahequipment.com

## **Abel Recon LLC**

**Booth 40**

Provides infrastructure services to municipal authorities as well as private entities in Pennsylvania, Maryland, Delaware and District of Columbia. Services include: structure rehabilitation, ultra-violet light cured-in-place pipelining, infrastructure cleaning and evaluation, chemical grouting and root control, storm water infrastructure remediation and CCTV inspection.

**Contact:** Pat Godwin ● 412.526.3977 ● pgodwin@abelrecon.com ● www.abelrecon.com

## **ACF Environmental**

**Booth C**

Distributes and manufactures site development products. Systems and technologies that facilitate green infrastructure and low impact development will be featured at the booth.

**Contact:** Warren Cohn ● 888.856.4505 ● wcohn@acfenv.com ● www.acfenvironmental.com

## **ADS Environmental Services**

**Booth 28**

Knowledgeable about the performance of collection systems. For over 40 years, has provided clients with high-quality hardware & software products from flow monitors, software, field services and data processing to web-based information and reporting. Delivers the right information at an affordable cost. Will display the latest innovation in depth-only sewer monitoring.

**Contact:** Robert Grob ● 859.512.8204 ● rgrob@idexcorp.com ● www.adsenv.com

## **Advanced Drainage Systems Inc.**

**Booth 58**

The world's largest manufacturer and supplier of HDPE stormwater pipe. Features a full line of best management practices (BMP) products that meet Environmental Protection Agency and PA Department of Environmental Protection clean water requirements.

**Contact:** Travis Kniss ● 814.915.0394 ● travis.kniss@ads-pipe.com ● www.ads-pipe.com

## **AECOM**

**Booth 50**

A global network of experts working with clients, communities and colleagues to develop and implement innovative solutions to the world's most complex challenges. Has provided solutions to Western Pennsylvania clients for over 30 years.

**Contact:** Ron Miller ● 412.503.4656 ● ronald.h.miller@aecom.com ● www.aecom.com

## **ALCOSAN**

**Booth 73**

Provides wastewater treatment services to 83 communities including the City of Pittsburgh. Its 59-acre treatment plant is one of the largest wastewater treatment facilities in the Ohio River Valley, processing up to 250 million gallons of wastewater daily. ALCOSAN will provide information about its wet weather planning efforts, source control study, as well as ALCOSAN programs and services.

**Contact:** Jeanne Clark ● 412.734.8353 ● jeanne.clark@alcosan.org ● www.alcosan.org

## **AP/M Permaform**

**Booth 54**

Offers CentriPipe® and Permacast® systems for the trenchless repair of badly deteriorated manholes, pipe and similar underground structures. Additional, CON<sup>mic</sup>SHIELD® liquid additive prevents MIC in concrete sanitary sewers, while Crystal-X® liquid additive provides waterproofing for concrete.

**Contact:** Geoff Korfin ● 800.662.6465 ● info@permaform.net ● www.permaform.net

# Exhibitors Guide

## **AUMA Actuators Inc.**

**Booth 41**

Has been manufacturing and selling valve actuators for over 50 years and is a major supplier of electric actuators and manual operations to industry. Its electric actuators are capable of operating all types of quarter-turn, multi-turn and linear valves. Also widely used to operate industrial dampers.

**Contact:** Dave Burry ● 724.743.2862 ext.290 ● dave.burry@auma-usa.com ● www.auma.com

## **Bright Dyes & Turbo Fog Division of Kingscote Chemicals**

**Booth 1**

Offers NSF-certified (safe, non-toxic, biodegradable) bright, fluorescent dyes specifically developed for convenient use in water tracing, leak detection, septic inspection and flow monitoring. Also offers Turbo-Fog® Thermal Smoke Generator, the “original” liquid smoke capable of producing continuous uninterrupted dense, white smoke, using liquid smoke cartridges.

**Contact:** Tim Muldoon ● 937.886.9100 ● tim@kingscotechemicals.com ● www.brightdyes.com/www.turbo-fog.com

## **Buchart Horn Inc.**

**Booth 56**

A full service engineering firm that supports communities in a wide range of wet weather and environmental issues. Capabilities include grant assistance, green infrastructure planning and design, I/I reduction programs, flow monitoring, system inspection and modeling, GIS and database development, sewer line separation and replacement design, and permitting assistance.

**Contact:** Mark Karolski ● 412.682.5282 ● mkarolski@bucharthorn.com ● www.bucharthorn.com

## **Chester Engineers**

**Booth 71**

A recognized leader in wet weather management, with an interdisciplinary team of engineers, landscape architects, construction managers, and earth scientists that help clients realize the benefits of applying sustainability principles to site planning and development projects. Experienced in stormwater management planning, CSO studies, floodplain management, best management practices, and water quality issues.

**Contact:** Michael Ryder ● 412.809.6150 ● mryder@chesterengineers.com ● www.chesterengineers.com

## **Civil & Environmental Consultants Inc.**

**Booth 34**

Delivers innovative design solutions and integrated expertise to advance client strategic business objectives. Qualified and experienced stormwater professionals assist in protecting stormwater infrastructure while providing an effective maintenance/monitoring program to extend the life of facilities. CEC is invested in the sustained economic, social and environmental health of our communities.

**Contact:** John Buck ● 800.365.2324 ● jbuck@cecinc.com ● www.cecinc.com

## **Cosmos Technologies Inc.**

**Booth 27**

An engineering consulting firm located in Pittsburgh, PA, Akron, OH and Cleveland, OH. Services include civil/site design and development, water/wastewater engineering, water resources engineering, environmental and safety management, construction management/inspection, energy management and wastewater process development and commercialization. Also provides 3-D laser scanning and MEP engineering.

**Contact:** Holly Hudson ● 412.321.3951 ● hhudson@cosmostechnologiesinc.com ● www.cosmostechnologiesinc.com

## **DAS Group Inc.**

**Booth 4**

Has a combined 75+ years' experience in municipal equipment and process sales. DAS Group represents many of the premier manufacturers involved with wet weather treatment and control, including Hydro International and F.S.R.C.

**Contact:** Dan Nelson ● 724.327.8979 ● dan@dasgroupinc.com ● www.dasgroupinc.com

# Exhibitors Guide



## DLZ Pennsylvania LLC

**Booth 26**

Professional services firm that provides complete engineering, architectural, and construction services to public and private entities with a multidisciplinary staff of more than 600 people in 20 offices in the Midwest. Meets the needs of small- and large-scale projects nationwide. Consistently ranked as one of ENR's prestigious Top 150 Design Firms in the U.S.

**Contact:** Thomas Sisley ● 412.471.3709 ● [tsisley@DLZ.com](mailto:tsisley@DLZ.com) ● [www.DLZ.com](http://www.DLZ.com)

## DN Tanks

**Booth 59**

Designs, builds, inspects, retrofits, upgrades and services circular, wire-wound, pre-stressed AWWA D110 concrete tanks for durable, low-maintenance liquid storage including water storage, thermal energy storage (TES), and wastewater storage and management throughout North America, Canada, the U.S. and international locations.

**Contact:** Frank Houston ● 717.521.7595 ● [frank.houston@dntanks.com](mailto:frank.houston@dntanks.com) ● [www.dntanks.com](http://www.dntanks.com)

## Doetsch Environmental Services

**Booth 44**

Over a century of sewer cleaning experience. Offers solutions for large diameter, long-reach, difficult-access and impossible cleaning tasks. Offers a free app for calculating sewer debris volume and weights in a pipe.

**Contact:** Joe Schotthoefer ● 810.499.9233 ● [joe@doetschenv.com](mailto:joe@doetschenv.com) ● [www.doetschenv.com](http://www.doetschenv.com)

## Drnach Environmental Inc.

**Booth 35**

An environmental business incorporated in 1998 for the purpose of providing flow, CSO and/or SSO monitoring services. The terrain, hydrology, and age of the SW PA infrastructure have created a need for sanitary sewer system and CSO, as well as I&I studies. Offers QA/QC plans and expertise so clients get the data they need.

**Contact:** Eric Planey ● 412.384.5400 ● [eric@drnachenvironmental.com](mailto:eric@drnachenvironmental.com) ● [www.drnachenvironmental.com](http://www.drnachenvironmental.com)

## Duke's Root Control Inc.

**Booth 9**

Provides the best chemical root control product available, applied by the most professional crews in the industry. Razorooter®II is the only diquat-based herbicide registered by the U.S. Environmental Protection Agency for controlling nuisance tree roots in sanitary sewer line collection systems.

**Contact:** Lynn Heffron ● 315.472.4781 ● [Lynn@dukes.com](mailto:Lynn@dukes.com) ● [www.dukes.com](http://www.dukes.com)

## Dutchland Inc.

**Booth 13**

Specializes in designing, manufacturing, and constructing circular and rectangular pre-stressed precast concrete tanks for wastewater and water storage. Also supplies turn-key packaged wastewater treatment plants capable of meeting the most stringent permits.

**Contact:** Mike Schmidt ● 717.442.1467 ● [mschmidt@dutchlandinc.com](mailto:mschmidt@dutchlandinc.com) ● [www.dutchlandinc.com](http://www.dutchlandinc.com)

## Eisler Landscapes Inc.

**Booth 19**

A landscape architectural design and landscape construction firm that is proud to be at the forefront of designing and implementing green infrastructure, including green roofs, bio swales, permeable paving, rain gardens, wetlands, and E&S controls.

**Contact:** G. Eric French ● 724.865.2830 ● [eric@eislerlandscapes.com](mailto:eric@eislerlandscapes.com) ● [www.eislerlandscapes.com](http://www.eislerlandscapes.com)

## EJ

**Booth 7**

Manufacture of Cast Iron manhole frames and covers, curb inlets, catch basin frames and grates, tree grates, trench grates, valve boxes, utility castings, as well as steel fabricated frames and grates. PennDOT approved. Made in the USA.

**Contact:** Kevin Pushay ● 412.795.6000 ● [kevin.pushay@ejco.com](mailto:kevin.pushay@ejco.com) ● [www.ejco.com](http://www.ejco.com)

# Exhibitors Guide



## **First Commonwealth Bank**

**Booth 62**

Provides a full range of financial solutions for municipalities and authorities, including project financing, interim, financing, deposit and treasury management services, as well as insurance, pension, and wealth management through its subsidiaries.

**Contact:** Travis Kelley ● 724.842.1505 ● tkelley@fcbanking.com ● www.fcbanking.com

## **F.S.R.C.**

**Booth 5**

Has 35+ years of experience in bolted steel tanks. With expertise in installing and erecting glass lined and epoxy fused bolted steel tanks for liquid storage. The exclusive supplier for Permastore, with over 300,000 installations worldwide. Represented in Western PA and West Virginia by DAS Group.

**Contact:** Justin Bergener ● 330.407.3839 ● jbergener@fsrctanks.com ● www.fsrctanks.com

## **GAI Consultants Inc.**

**Booth 14**

An engineering, planning, environmental, and economic consulting firm with over 55 years of experience delivering innovative engineering solutions. Transforms ideas into reality with solutions that make a real difference to clients in energy, transportation, real estate, water, municipal, government, and industry.

**Contact:** Don Spaeder ● 412.476.2000 ● d.spaeder@gaiconsultants.com ● www.gaiconsultants.com

## **Geo-Precision Solutions LLC**

**Booth 48**

A team of GIS professionals, surveyors and engineers that specialize in implementing end-to-end location based services. To assist with your project, the company offers a wide range of services from data collection, scanning, initial software setup and configuration, to custom web and mobile applications.

**Contact:** Christine Iksic ● 412.512.5665 ● ciksic@geo-precision.net ● www.geo-precision.net

## **GHD Inc.**

**Booth 45**

An international network of engineers, architects, and environmental scientists serving the global markets of water, energy and resources, environment, property and buildings, and transportation. PA offices specialize in wastewater engineering, including non-traditional approaches to attain measurable results with regard to wet weather problems over more than 30 years.

**Contact:** Rulison Evans ● 724.831.5318 ● rulison.evans@ghd.com ● www.ghd.com

## **Golden Equipment Co. Inc.**

**Booth 53**

Sales, service and parts for municipal equipment including street sweepers, sewer flushers and sanitary TV inspection. Refurbished/pre-owned equipment/rental and contracting also available.

**Contact:** Leslie Bennett ● 800.242.1494 ● golden4pa@hotmail.com ● www.goldenequipmentcompany.com

## **Herbert, Rowland & Grubic Inc.**

**Booth 22**

Small or large, conventional or complex – HRG designs solutions to protect the health of local communities, An innovative engineering firm providing planning, design, and construction phase services including financial consulting, for water and wastewater systems to public and private sector owners and operators.

**Contact:** Robert Zulick, P.E. ● 724.779.4777 ● rzulick@hrg-inc.com ● www.hrg-inc.com

## **Hydro International**

**Booth 3**

Has 25+ years' experience in wet weather flow control. Screening for flood alleviation, watershed management, and collection and sanitary system management. This expertise provides Hydro with resources and operable installations required to ensure cost-effective wet weather solutions. Represented in Western PA and West Virginia by DAS Group.

**Contact:** Matt Bodwell ● 207.776.1949 ● mbodwell@hydro-int.com ● www.hydro-int.com

# Exhibitors Guide

## Insight Pipe Contracting LLC

**Booth 47**

A full-service sewer maintenance contractor offering services from CCTV inspection and sewer cleaning to spot-repair lining and end-to-end lining. A locally owned, hometown contractor that commits to a job well done, and protecting the environment.

**Contact:** Bob Carpenter ● 724.452.6060 ● bob.carpenter@insightpipe.com ● www.insightpipe.com

## ITpipes

**Booth 11**

Turns your inspections into actionable intelligence with PC, tablet and web options used for sewer, manhole culvert, lateral, storm line, tunnel, and other underground asset inspections. Management tools along with comprehensive, automated integration to asset management software and ESRI GIS, takes inspection management to a new level!

**Contact:** Ross Brown ● 262.347.7582 ● ross@itpipes.com ● www.itpipes.com

## Johnson, Mirmiran & Thompson (JMT)

**Booth 63**

Provides water, wastewater, and stormwater engineering and management services. Assists public agencies and private entities plan, develop, manage, and maintain water and sewer systems and facilities. Services include: water & wastewater treatment; distribution & collection systems; facility operations support & commissioning; instrumentation & controls; environmental compliance.

**Contact:** Mallory Griffin ● 412.375.5100 ● mgriffin@jmt.com ● www.jmt.com

## Layne Inliner LLC

**Booth 52**

Provides full-service manhole renewal with cementitious and epoxy products and a variety of other rehabilitation methods. Offers cleaning, televising and bypassing operations. Can wet out in a controlled facility or become mobile and complete over-the-hole wet outs of our lining tubes. Understands the benefits and limitations of water, steam and ultraviolet light curing of CIPP liners. Offers products and techniques to meet the needs of clients in an efficient and cost-effective manner.

**Contact:** Kathy Jarrell ● 614.529.6440 ● kathy.jarrell@layne.com ● www.layne.com

## LB Water/S<sup>3</sup>

**Booth 16/17**

A value-added distributor of waterworks infrastructure products and services, featuring waterworks, sanitary sewer, stormwater, I&I, and environmental. S3 – Stormwater Solution Source is an LB-Water-affiliated company providing turn-key solutions with products and services to stormwater markets. S3 assists agencies, municipalities and owners comply with MS4 and/or NPDES requirements.

**Contact:** Ben Reichley ● 570.374.2355 ● ben.reichley@lbh2o.com ● www.lbh2o.com

## Lennon, Smith, Souleret Engineering Inc.

**Booth 2**

Founded in 1985. Provides civil engineering and surveying services to public and private clients including the municipal, commercial, industrial, institutional, residential, and utilities markets. Specializes in wastewater facilities, water facilities and stormwater/green infrastructure planning, design and construction phase services. Headquartered in Coraopolis, PA with a branch office in Greensburg, PA.

**Contact:** Dan Gilligan ● 412.264.4400 ● dgilligan@lsse.com ● www.lsse.com

## LMK Technologies

**Booth 51**

Has been a leader in trenchless Cured-In-Place-Pipe (CIPP) lining since 1993. Recognized by many municipalities and engineering firms as the innovative leader for the trenchless renewal of sewer laterals, mainlines and manholes. Has over 100 patents and pending patent applications throughout the world.

**Contact:** Rick Gage ● 815.640.9305 ● rgage@lmktechnologies.com ● www.lmktechnologies.com

# Exhibitors Guide

## L.R. Kimball

**Booth 46**

Established in 1953. A leading professional service company offering architectural and structural design services, civil and environmental engineering expertise, communications technology solutions and consulting. Committed to providing clients a tailored approach to meet their needs and budget requirements.

**Contact:** Charles (Chic) Noll ● 412.201.4900 ● charles.noll@cdicorp.com ● www.lrkimball.com

## Marion Hill Associates Inc.

**Booth 8**

A highly qualified commercial diving and marine services contract company, located in the greater Pittsburgh area. Has been delivering high quality products and services to its customers since 1980. Has extensive experience and expertise on staff with the capabilities to accommodate all of its clients' underwater needs.

**Contact:** Samuel Trapp ● 412.287.0306 ● strapp@marionhilldivers.com ● www.marionhilldivers.com

## Michael Baker International

**Booth 21**

Founded in 1940. Provides professional engineering and consulting services for public and private sector clients worldwide. Service areas include water, wastewater, stormwater, architecture, environmental, geospatial, municipal, civil, pipelines, utilities and transportation. Services span the infrastructure life cycle including planning, design, construction services and asset management/renewal.

**Contact:** Ron Ciucci, P.E. ● 412.375.3005 ● rciucci@mbakerintl.com ● www.mbakintl.com

## Mid Atlantic Storage Systems Inc.

**Booth 70**

Sales and installation of municipal and industrial water and wastewater storage tanks.

**Contact:** Greg Mullins ● 740.895.6028 ● greg@midatlanticstorage.com ● www.massi.us

## Mott MacDonald

**Booth 39**

A \$2 billion global management, engineering and development firm. Delivers sustainable outcomes in transportation, buildings, power, oil and gas, water and wastewater, environment, education, health, international development, and digital infrastructure. In North America (www.mottmac.com/americas) is a vibrant infrastructure development and engineering company with 62 offices.

**Contact:** Stephen Polen ● 412.497.2900 ● stephen.polen@mottmac.com ● www.mottmac.com/americas

## Mr. Rehab Inc.

**Booth 15**

A professional sewer service company offering a full line of collection system investigation, maintenance, and rehabilitation services to the municipal and industrial sector. Focuses on trenchless and "no-dig" technology.

**Contact:** James Clark ● 717.697.1242 ● jclark@mrrehab.com ● www.mrrehab.com

## ms consultants inc.

**Booth 32**

A multidiscipline engineering, architecture, and planning firm for the environmental sustainability, transportation, architecture, and construction industries. The firm has nearly 400 employees among nine offices in Pennsylvania, Ohio, Indiana, North Carolina, and West Virginia. ms consistently ranks as one of the "Top 50 Design Firms" by Engineering News-Record.

**Contact:** Kari Mackenbach ● 614.898.7100 ● kmackenbach@msconsultants.com ● www.msconsultants.com

## National Gunite

**Booth 30**

America's premier large-diameter pipeline rehabilitation specialists. Provides trenchless repair of sewers and storm culverts using multiple inches of concrete that is sprayed onto steel reinforcement. Deteriorating lines are repaired from the inside, restoring the structural integrity of the pipe for decades of future use.

**Contact:** Lee Taylor ● 814.533.5780 ● ltaylor@nationalgunite.com ● www.nationalgunite.com

# Exhibitors Guide



## **Pennoni**

**Booth 60**

In business for 50 years and has grown to more than 1,200 staff in offices throughout the U.S. A multidiscipline engineering, science, planning, and consulting firm, offering civil/site, construction services, environmental, geotechnical, landscape architecture and planning, MEP, structural, survey and geomatics, transportation, water resources, and water/wastewater. An employee-owned firm that has received awards for its work as well as its corporate culture, including national rankings.

**Contact:** Brian Fischbach, PE, LEED AP ● 412.229.2811 ● bfischbach@pennoni.com ● www.pennoni.com

## **The Pittsburgh Water & Sewer Authority**

**Booth 74**

Provides water and sewer services to more than 300,000 consumers throughout the City of Pittsburgh and in surrounding areas. The Authority's vision is to provide water and wastewater services that meet or exceed regulations and customer expectations at the lowest possible cost.

**Contact:** Brendan Schubert ● 412.255.2099 ● bschubert@pgh2o.com ● www.pgh2o.com

## **Porous Technologies LLC**

**Booth 25**

Is a manufacturer of Stormcrete®; a modular precast porous concrete stormwater system. Stormcrete® is manufactured under controlled conditions with reproducible strength/flow characteristics with permanent lifting points cast into the surface.

**Contact:** Kevin McKee ● 207.712.2570 ● kmckee@stormcrete.com ● www.stormcrete.com

## **ProMinent Fluid Controls Inc.**

**Booth 23/24**

A global manufacturer of chemical metering pumps and systems, process instrumentation, dry and liquid polymer systems, disinfection equipment, and custom-packaged feed systems. Has proudly served the municipal, industrial and OEM markets in the U.S. for over 35 years.

**Contact:** Ken Gibson ● 412.787.2484 ● sales@prominent.us ● www.prominent.us

## **RainBank Inc.**

**Booth 67**

Provides smart stormwater management tools for cities, towns, and property owners. Its systems can solve runoff and flood avoidance for a fraction of the standard systems. Provides a cornerstone product, the Smart Blue Roof Valve, which enables its customers to cost-effectively retain water at the most critical periods of a storm.

**Contact:** Kevin Dutt ● 617.784.5005 ● kcdutt@rainbankus.com ● www.rainbankus.com

## **Rain for Rent**

**Booth 36**

A leading provider of temporary liquid-handling solutions including pumps, tanks, filtration and spill containment. Known for its systems engineering expertise and its ability to tackle complex jobs cost effectively. Projects range from flood relief to construction site dewatering, sewer bypasses and industrial plant turnarounds.

**Contact:** Tim Trabert ● 304.280.9645 ● ttrabert@rainforrent.com ● www.rainforrent.com

## **Raven Lining Systems**

**Booth 31**

An industry leader in the water, wastewater and manhole rehabilitation industry for nearly three decades. Offers engineered solutions proven to stand the test of time simply by providing superior quality and reliability, along with a network of certified applicators. Visit [www.ravenlining.com](http://www.ravenlining.com).

**Contact:** Jeff Croll ● 918.615.0126 ● bollingers@ravenlining.com ● www.ravenlining.com

# Exhibitors Guide

## RedZone Robotics

**Booth 18**

Offers an advanced pipeline assessment with decision-making capabilities to successfully and proactively manage a sewer collection system. Has equipment platforms for any size sewer and flow conditions and delivers data in various requirements whether CCTV in PACP, MACP, sediment, ovality, gas detection, and enhanced premium engineering reports of bend geometry, virtual mandrel, alignment, and as-built models. All data is provided in a sewer asset management program, ICOM.

**Contact:** Sam Cancilla ● 412.476.8980 ext. 231 ● scancilla@redzone.com ● www.redzone.com

## Robinson Pipe Cleaning Company

**Booth D**

Offers full-length digital CCTV, sonar, laser profiling, sewer cleaning, main line grouting, lateral grouting, manhole rehabilitation, sectional point repair liners, CIPP lining of lateral from the main to house and lateral connection liner.

**Contact:** Barry Goble ● 412.921.2100 ● bgoble@robinsonpipe.com ● www.robinsonpipe.com

## RootX

**Booth 33**

Manufactures and supplies the pipeline root control product RootX. Municipal sewer departments can use RootX with their existing sewer cleaning equipment and eliminate SSOs, which can be caused by roots.

**Contact:** Chad Fahey ● 800.844.4974 ext. 207 ● chad@rootx.com ● www.rootx.com

## S & S Processing Inc.

**Booth 38**

Can create soil mixes to meet just about any specifications. Specializes in soils of specific weights, chemical properties and performance requirements, including root zone mixes, structural soils, green roof media, rain gardens and USGA sand mixes. Can manufacture the type of soil that is perfect for many architectural, landscaping or agricultural needs.

**Contact:** Christopher Collier ● 724.535.3110 ● ccollier@ssprocessing.com ● www.ssprocessing.com

## S.M. Sawchuk Sales Inc.

**Booth 55**

Provides state of the art environmental instrumentation for municipal and industrial wastewater applications. Located in Carnegie, PA. Now represents OPENCHANNELFLOW (flumes, manholes and weirs) along with Hach/American Sigma, Plasti-Fab and now InfoSense, Inc. (acoustic sewer inspection). Please visit website for more information.

**Contact:** Steven Sawchuk ● 412.429.1006 ● sawchuk22@aol.com ● www.smsawchuksales.com

## Saertex multiCom LP

**Booth 6**

A leading global manufacturer of UV Cure CIPP Glass Reinforced Plastic (GRP) liners for the rehabilitation of storm and sanitary sewer pipes, as well as pressure pipes, both potable and non-potable. An environmentally safe, high-strength liner with sizes ranging from 6" – 64". Sizes up to 50" made in the USA. UV equipment available for rent. Extensive training provided by highly experienced application technicians. No restricted territories.

**Contact:** Mark C. McClymonds ● 724.996.1409 ● m.mcclymonds@saertex.com ● www.saertex-multicom.com

## Sauereisen Inc.

**Booth 10**

A 117-year old, Pittsburgh-based company. One of the world's leading manufacturers of corrosion-resistant material of construction. Manufactures sealants, corrosion barriers and substrate repair materials for the protection and restoration of wastewater infrastructure. From collection systems to treatment facilities, offers materials to resist acidic environments and prevent water inflow and infiltration.

**Contact:** Mackenzie Paesano ● 412.963.0303 ● mlpaesano@sauereisen.com ● www.sauereisen.com

# Exhibitors Guide

## **Schnabel Engineering**

**Booth 69**

With a multi-disciplined staff of more than 300, offers services related to the earth and environment from 18 offices. Specializes in geotechnical engineering, geostructural design, dam engineering, tunnel and underground engineering, environmental services, geophysical and geosciences services, construction monitoring, and resident engineering services.

**Contact:** Michael Roscoe ● 610.696.6066 ● mroscoe@schnabel-eng.com ● www.schnabel-eng.com

## **Sci-Tek Consultants Inc.**

**Booth 37**

An engineering, surveying and consulting firm celebrating its 20<sup>th</sup> anniversary. A certified MBE, Sci-Tek offers expertise in land and boundary surveying, site civil design, design engineering services, water resources engineering, environmental site assessment and remediation, environmental permitting, geotechnical subsurface investigations, and geotechnical analysis and design.

**Contact:** Maria Atkinson ● 412.371.4460 ext. 109 ● matkinson@scitekanswers.com ● www.scitekanswers.com

## **Sherwin Williams**

**Booth 65**

Manufacturers High Performance Coatings for many industries while focusing on the Water/Wastewater Markets. Products include manhole linings for new construction and rehabilitation. Offers calcium aluminate mortars, 100% solids epoxy linings systems as well as the grouts and resurfacing compounds to complete the systems.

**Contact:** Tim Bauman ● 724.714.1047 ● tim.a.bauman@sherwin.com ● http://protective.sherwin-williams.com

## **Software Systems Inc.**

**Booth 49**

Delivers single-sourced, cloud-based solutions for municipalities, authorities, and nonprofits at a nationwide level. Complete integration of financials, municipal billing, and online customer portal provides customers with the most intuitive and user friendly technology experience within the public sector marketplace.

**Contact:** Craig Held ● 724.443.4600 ● cheld@software-systems.net ● www.software-systems.net

## **Stantec Consulting Services Inc.**

**Booth 66**

Collaborates across disciplines to complete building, infrastructure, and energy and resource projects. Provides professional consulting in planning, engineering, architecture, interior design, landscape architecture, surveying, environmental sciences, project management, project economics and flow monitoring.

**Contact:** Gary D. Silcott Jr., P.E., ENV SP ● 740.380.2828 ● gary.silcott@stantec.com ● www.stantec.com

## **StormTank (Brentwood Industries Inc.)**

**Booth 29**

Offers modules, devices, and accessories which are designed to provide strong, affordable stormwater management solutions. By allowing for pretreatment and offering underground storage options, these solutions help to protect the environment.

**Contact:** Sam Williamson ● 610.347.5109 ● sam.williamson@brentw.com ● www.brentwoodindustries.com/stormtank

## **T3 Global Strategies Inc.**

**Booth 64**

Provides civil engineering consulting to private, public and federal markets. Areas of service in the public sector include municipal, water, wastewater and innovative green stormwater infrastructure; and in the private sector commercial, educational and residential land development. Supplemental services include surveying, mapping/photogrammetry and GIS.

**Contact:** Keith Straight ● 412.221.2003 ● kstraight@t3gs.com ● www.t3gs.com

## **Techo-Bloc Midwest Corp.**

**Booth 68**

Offers various eco-conscious and cost-effective pavements for residential and commercial stormwater management. Visit [www.techo-bloc.com](http://www.techo-bloc.com) for more information.

**Contact:** Mike Rizzo ● 330.418.7303 ● mike.rizzo@techo-bloc.com ● www.techo-bloc.com

# Exhibitors Guide

## **Trio Vision LLC d/b/a Cobra Technologies**

**Booth 57**

Provides pipeline video inspection equipment, truck, trailer, ATV or portable. PACP software, GiS, MACP and LACP modules. Made in the USA.

**Contact:** Nick Proksell ● 440.420.1972 ● [nickproksell@cobratec.com](mailto:nickproksell@cobratec.com) ● [www.cobratec.com](http://www.cobratec.com)

## **TRY TEK Machine Works Inc.**

**Booth 72**

Since 1985, has been a leading manufacturer and worldwide supplier of quality cutting equipment and inversion unit equipment for the trenchless pipe rehabilitation industry. Equipment is in use around the world in the sanitary sewer, storm, water and natural gas pipe rehabilitation industry.

**Contact:** Dennis Burger ● 717.428.1477 ● [dburger@trytek.com](mailto:dburger@trytek.com) ● [www.trytek.com](http://www.trytek.com)

## **U.S. Municipal**

**Booth 61**

Has a broad range of equipment for environmental, road maintenances, ice and snow control, mowing and other needs. Its product cross-section is built by industry leaders in their specific market sector and staff has the knowledge to support those products in the field.

**Contact:** Bob Griffiths ● 412.335.9303 ● [rsg@usmuni.com](mailto:rsg@usmuni.com) ● [www.usmuni.com](http://www.usmuni.com)

## **Wall Firma Inc.**

**Booth 12**

Since 1949, local manufacturer of superior-quality, specialized concrete waterproofing and repair products.

**Contact:** Ken Codeluppi ● 724.258.6873 ● [kfc@wallfirma.com](mailto:kfc@wallfirma.com) ● [www.wallfirma.com](http://www.wallfirma.com)

## **Watertite Inc.**

**Booth 43**

Crystalline waterproofing, protection and repairs of concrete structures. Waterproofing includes coatings and mortars for repairs to existing structure without excavation. Protection includes chlorides and tested and proven results for pH 3-11 over 40 years around the world. Application includes admixtures that can be added to the concrete mix for cast in place or precast.

**Contact:** John Ladas ● 717.469.0058 ● [j.ladas@comcast.net](mailto:j.ladas@comcast.net) ● [www.xypex.com](http://www.xypex.com)

## **WinCan LLC**

**Booth B**

Provides sales and support for WinCan software exclusively for all the Americas. WinCan is an industry leader software package for CCTV pipe inspection, reporting, data management and analysis. Also provides GIS and IT consulting pertaining to CCTV pipe inspection and asset data collection.

**Contact:** Tim Mallon ● 412.335.8271 ● [t.mallon@wincan.com](mailto:t.mallon@wincan.com) ● [www.wincan.com](http://www.wincan.com)

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Based in Pittsburgh and 500+ offices worldwide, provides professional consulting services that transform the build environment and restore the natural one. For water and wastewater projects, provides planning, designing and construction management of tunnels, pipelines, sewers, outfalls, separate/combined collection systems, pump stations and structures.

**Contact:** Judith Andersen ● 412.644.3013 ● [listed@pbworld.com](mailto:listed@pbworld.com) ● [www.pbworld.com](http://www.pbworld.com)

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**Contact:** Linda Bayne ● 724.266.6936 ● [linda.bayne@xylem.com](mailto:linda.bayne@xylem.com) ● [www.godwinpumps.com](http://www.godwinpumps.com)



**October 12-13, 2016 • 8:00 a.m.-4:00 p.m.**  
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### Registration Information

Fee: \$75 per person on or before September 30, 2016; \$85 after September 30. Make check payable to 3 Rivers Wet Weather. (Online registrations can be paid using a credit card via Paypal. You do not need to have a Paypal account to complete payment.)

Fee includes registration, conference materials, continental breakfast, refreshments and lunch for both days. (Note: Walk-in registrations are not guaranteed conference materials.)

### Attendee Information

First Name

Last Name

Title

Organization

Address

Daytime phone

City, State, Zip

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County

### Methods of Registration

Online: [www.3riverswetweather.org](http://www.3riverswetweather.org)  
Fax: 412.578.8065  
Mail: 3RWW Sewer Conference  
3901 Penn Avenue  
Building #3  
Pittsburgh, PA 15224

### Cancellation Policy

If you do not cancel and do not attend, you will be charged the full registration fee. Requests for cancellation must be received by October 5, 2016. Substitutions (from the same organization/company) may be made at any time. However, we request notification prior to the conference for preparation of registration materials.

### Questions

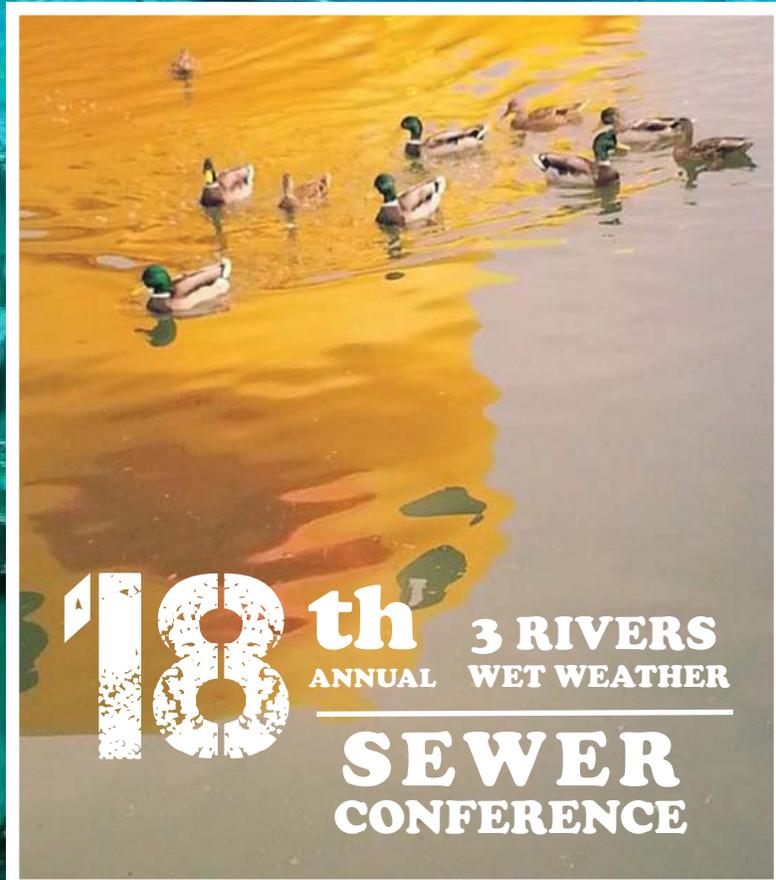
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E-mail: [conference@3rww.org](mailto:conference@3rww.org)

*Admission to the conference is afforded without regard to race, color, age, sex, religion, political affiliation, national origin or disability. If special accommodations are required, please contact 3 Rivers Wet Weather at least five working days prior to the program.*

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