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Wet Weather



26th Annual **SEWER** Conference



November 5-6, 2025
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Welcome



It's hard to believe another year has passed. Once again, more than 400 of us are gathering here at the Monroeville Convention Center to address the ongoing challenges of wet weather impacts and sewer overflows in our region. While late summer brought dry conditions—and even drought—to parts of Western Pennsylvania, the rains have returned, and with them, recurring overflows. As always, this conference brings together a diverse group of experienced speakers who will share case studies, practical guidance, and those invaluable “lessons learned” to help municipalities address these critical environmental issues.

In addition, more than 100 exhibitors are here to showcase their products, services, and innovations in support of our shared mission. Across the region, communities continue making meaningful progress toward consent order compliance, reducing overflows, and ultimately improving the quality of our waterways. We hope this conference supports and inspires you in your ongoing work to manage the challenges of wet weather in Southwestern Pennsylvania.



W. David Montz
Executive Director
3 Rivers Wet Weather

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Conference Materials

Continuing Education Tracking Form

Please use the **Continuing Education Tracking Form** provided in your conference envelope to submit the sessions you attend. Your form needs to be signed by a member of our conference staff after each morning and afternoon session to verify your attendance. Forms cannot be signed early.

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 tracking 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 & Other Professionals

Engineers and other licensed professionals may use the continuing education tracking form to request a conference completion certificate with the total number of professional development hours (8.5 pdhs). Your professional licensing board will determine the credit earned from attending the conference.

Exhibit Hall Map

A two-sided **Exhibit Hall Map** is provided to help you navigate the exhibit hall. One side lists exhibitors by booth number and the flip side lists the exhibitors in alphabetical order. If you would like more details about a particular exhibitor, a company profile and contact information for each vendor is provided in the back of this conference booklet.

Evaluation Form

Please use the **Evaluation Form** to give us feedback on the educational sessions and the overall conference in general. We value your input as it helps to guide our future events. Every attendee who completes an evaluation form will be entered into a drawing for a \$50 gift card. Just drop your business card in the basket or complete our blank entry form with your name and email address. We will notify a winner shortly after the conference.

Exhibitor-Sponsored Prize Drawing

Please use the **Prize Drawing Entry Form*** to stop at each designated exhibit booth and get a stamp on your entry form to verify your visit. Once complete, drop the entry form into the prize drawing box for a chance to win gift cards valued at more than \$1,000! One lucky winner will be chosen shortly after lunch on November 6. Winner does not need to be present to win.

“Stay to Win” Contest

Every registered attendee* will find **Two Colored Tickets** behind their name tag. Those who stay for the last educational session each day will have a chance to win a \$50 gift card. Tickets will be collected at the beginning of the session and a winner will be chosen immediately after the presentation. Winner must be present to win.



**Only registered attendees are eligible to win. Exhibitors/exhibit booth personnel, and conference staff are not eligible to win.*



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Conference Schedule

Wednesday, November 5, 2025

8:00-8:55 a.m.	Registration, Continental Breakfast & Exhibit Hall
8:55-9:00 a.m.	Welcome W. David Montz
9:00-9:45 a.m.	Clean Water Plan: Delivering on Our Commitment Jeff Argyros, Shawn McWilliams, Tim Prevost, Julia Spicher, & Kimberly Slater-Wood
9:45-10:15 a.m.	Youngstown Ohio West-Division Sewer: Effectively Handling Design Changes & Project Challenges Craig Mulichak
10:15-11:00 a.m.	Break & Exhibit Hall
11:00-11:30 a.m.	Diversion Structure Valve and Flap Gate Design: Defining Rehabilitation & Improvements Emma Wolff
11:30 a.m.-12:00 p.m.	Let There Be Light: Finding I/I Sources with Lasers in Sewers Matt Davis
12:00-1:30 p.m.	Lunch & Exhibit Hall
1:30-2:00 p.m.	Advanced Sonar and Multi-Sensor Inspection and Siphon Cleaning Techniques: Lessons from Chartiers Creek and Saw Mill Run Sam Cancilla & Tim Prevost
2:00-2:30 p.m.	GIS-Driven Hydraulic Model Expansion: A Case Study from Pittsburgh Water Ana Bennett & Ross Volkwein
2:30-3:15 p.m.	Refreshment Break & Exhibit Hall
3:15-3:45 p.m.	Green Infrastructure Solutions for Buffalo: The Rain Check Program Bernadette Callahan
3:45-4:15 p.m.	Practical Aspects for the Design of Close-Fit Liners for Gravity Sewers Using the ASCE Manual of Practice 145 Kevin Alspach & Caitlin Cavanagh

Thursday, November 6, 2025

8:00-9:00 a.m.	Registration, Continental Breakfast & Exhibit Hall
9:00-9:30 a.m.	Green Infrastructure: How Changes in Design and Implementation Have Reduced Maintenance and Supported Long-Term Benefits Lisa Werder Brown & Tim Prevost
9:30-10:00 a.m.	A Tale of Two Collection Systems: Reducing CSOs Using Hydraulic Optimization to Minimize Storage and Reduce Overflows Shannon Conway
10:00-10:45 a.m.	Break & Exhibit Hall
10:45-11:15 a.m.	From Scope to Success: Organizing a Multi-Municipal Sanitary Sewer Rehabilitation Project Robert Firek
11:15 a.m.-12:00 p.m.	PANEL DISCUSSION Monitoring CSOs and SSOs: One Size Does Not Fit All Brad Boddy, Ruari Egan, Dennis Flynn, Eric Planey & Daniel Thiessen
12:00-1:30 p.m.	Lunch & Exhibit Hall
1:30-2:00 p.m.	When Rehabilitation is the Easy Part Mallory Griffin & Darnetta Craig
2:00-2:30 p.m.	Challenges in Parallel Sewer Construction by Microtunneling: Two Case Histories Zhenqi Cai
2:30-3:00 p.m.	Using the 3RWW Rain Gauge System: A Practical Guide Jason Stanton & Jacob Bajek
3:00-3:30 p.m.	Overview of Pittsburgh Water's SDSR Program and Challenges in Knoxville Nick Modany & Duygu Altintas



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Session Guide



Wednesday November 5

8:00-8:55 a.m. Registration, Continental Breakfast & Exhibit Hall

8:55-9:00 a.m. Welcome

W. David Montz ▼ 3 Rivers Wet Weather

9:00-9:45 a.m.

Clean Water Plan: Delivering on Our Commitment

Jeff Argyros, Shawn McWilliams, Tim Prevost, Julia Spicher & Kimberly Slater-Wood ▼ ALCOSAN

ALCOSAN's Clean Water Plan (CWP) is a multi-billion-dollar, 20-year initiative designed to reduce wastewater overflows into our region's rivers. The Plan's goals include eliminating sanitary sewage overflows and reducing combined sewage overflows by seven billion gallons per year. This presentation will provide an update on the status of the Clean Water Plan, highlight how its major components impact individual municipalities, and outline opportunities for participation in CWP implementation.

Jeff Argyros is ALCOSAN's Manager of Capital Projects for the treatment plant where he oversees the ongoing Wet Weather Plant Expansion, which will double the treatment plant's capacity in the next five years. He is a registered professional engineer in Pennsylvania.

Contact: 412.734.6281 | jeff.argyros@alcosan.org

Shawn McWilliams is a Project Engineer at ALCOSAN focused on the design and construction of the Clean Water Plan's regional tunnel system. Shawn has more than 18 years' experience at ALCOSAN working on all facets of sanitary sewer system planning, design and construction.

Contact: 412.732.8053 | shawn.mcwilliams@alcosan.org

Tim Prevost is ALCOSAN's Manager of Wet Weather Programs and oversees ALCOSAN's award-winning GROW program. Tim has more than 28 years' experience at ALCOSAN, is a registered professional engineer, and a past recipient of the ASCE Engineer of the Year award.

Contact: 412.734.8731 | timothy.prevost@alcosan.org

Julia Spicher is ALCOSAN's Manager of Regionalization. She works with customer municipalities to transfer ownership and maintenance for 265 miles of trunk sewer and associated facilities from the municipalities to ALCOSAN. Julia is a ENV SP, LEED AP, and certified wastewater collection system operator.

Contact: 412.734.8749 | julia.spicher@alcosan.org

Dr. Kimberly Slater-Wood is ALCOSAN's Manager of Municipal Relations & Outreach. As the ALCOSAN's key liaison for its 83 customer municipalities, she collaborates to communicate the Authority's Clean Water Plan and other initiatives with municipal officials and staff. She holds an Ed.D. in Leadership and Administration.

Contact: 412.734.6272 | kimberly.slater-wood@alcosan.org

9:45-10:15 a.m.

Youngstown Ohio West-Division Sewer: Effectively Handling Design Changes and Project Challenges

Craig Mulichak ▼ ms consultants

In 2011, the City of Youngstown began its West-Division Sewer Replacement Project design to replace a failing sewer that traversed along the Mahoning River adjacent to multiple railroad tracks and to upsize the sewer to eliminate three combined sewer overflows. However, the project was put on hold for the City's long-term control plan and funding was shifted to compliance. Attendees will learn how the City took a creative approach for the design of the project and obtaining alternative funding sources to complete the project.

Craig Mulichak, PE, is the Regional Operations Leader for ms consultants' Water group in Northeast Ohio. He has 25 years' experience in the water/wastewater engineering field and has been with ms consultants for the past 15 years.

Contact: 614.898.7100 | cmulichak@msconsultants.com

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

11:00-11:30 a.m.

Diversion Structure Valve and Flap Gate Design: Defining Rehabilitation and Improvements

Emma Wolff ▼ GAI Consultants

In conveyance systems, diversion structures effectively convey flows to the wastewater treatment plant and prevent backups of sewage by allowing an overflow into the waterways when the sewer's capacity is exceeded. To keep the conveyance system operations reliable, ongoing preventative maintenance and strategic asset rehabilitation/replacement projects must be implemented. Attendees will learn about the challenges and strategies for inspecting, assessing, and developing a plan for diversion structure and interceptor projects that help to keep conveyance systems running smoothly.



Emma Wolff, a Senior Engineering Manager at GAI Consultants, specializes in advanced water and wastewater treatment processes and conveyance. Her experience includes engineering system and equipment design, process support, compliance assessments, and consulting. She serves on the boards of the Southwest Pennsylvania Engineering Outreach and the Mountain Watershed Association.
Contact: 412.399.5284 | e.wolff@gaiconsultants.com

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

Let There Be Light: Finding I/I Sources with Lasers in Sewers

Matt Davis ▾ Brown and Caldwell

A major challenge for any inflow and infiltration (I/I) reduction program is the ability to accurately locate significant sources of I/I to cost-effectively remediate them. Distributed Temperature Sensing (DTS) technology represents an advanced approach for localizing I/I, which can lead to cost-optimized spending on rehabilitation programs. Attendees will learn about implementing this innovative technology for locating I/I, how wastewater temperature collected by flow meters can provide insights, and how investment in this technology is beneficial for systems with excessive I/I.

Matt Davis is the National Innovation and Technology Leader of Brown and Caldwell's Wet Weather Practice. He is a professional engineer with 29 years' experience in wet weather control and collection system modeling. He is the former chair of the New England Water Environment's Wet Weather Issues Committee.

Contact: 978.270.5733 | mdavis@brwnncald.com

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

1:30-2:00 p.m.

Advanced Sonar and Multi-Sensor Inspection and Siphon Cleaning Techniques: Lessons from Chartiers Creek and Saw Mill Run

Sam Cancilla ▾ RedZone Robotics

Tim Prevost ▾ ALCOSAN

The sonar and multi-sensor inspection and targeted cleaning of siphons along the Chartiers Creek and Saw Mill Run Interceptors included challenging flow conditions and limited accessibility. Attendees will learn about the technical approach, coordination strategies, and data outcomes from this complex, multi-municipal effort.

Sam Cancilla serves as Vice President of Business Development at RedZone Robotics, with more than 30 years' experience in the water and wastewater industry. He has played a pivotal role in advancing pipeline inspection technologies, contributing to the development of innovative tools such as the Responder®, SOLO®, and ICOM® software. Sam holds a B.S. from the University of Pittsburgh.
Contact: 412.758.3327 | scancilla@redzone.com

Tim Prevost is ALCOSAN's Manager of Wet Weather Programs and oversees ALCOSAN's award-winning GROW program. Tim has more than 28 years' experience at ALCOSAN and is a registered professional engineer.
Contact: 412.734.8731 | timothy.prevost@alcosan.org

2:00-2:30 p.m.

GIS-Driven Hydraulic Model Expansion: A Case Study from Pittsburgh Water

Ana Bennett ▾ Pittsburgh Water

Ross Volkwein ▾ Wade Trim

This session showcases how Pittsburgh Water undertook a major data-driven hydraulic model expansion utilizing a GIS-based approach as part of their Wet Weather Program. Attendees will learn how spatial analysis, field data collection, automation tools, and real-time coordination were used to identify critical areas, develop a multi-year flow monitoring program, collect infrastructure data, and ultimately expand an H&H model across a complex combined and separate sewer system.

Ana Bennett, Senior Project Manager with Pittsburgh Water, specializes in planning, design and construction of capital improvement projects that aim to improve water quality in the Pittsburgh Region. A licensed professional engineer with 10 years' experience in stormwater management, she serves on the Board of Directors for Watersheds of South Pittsburgh and Upstream Pittsburgh.
Contact: 412.255.8800 | aflores@pgh2o.com

Ross Volkwein is a professional engineer with Wade Trim in Pittsburgh specializing in hydraulic modeling and data science, including GIS. He has 13 years' experience developing and calibrating stormwater, wastewater, and water distribution models to support capital planning and system optimization, from field data collection through alternatives analysis and master planning.

Contact: 412.454.5566 | rvolkwein@wadetrim.com



2:30-3:15 p.m. Refreshment Break & Exhibit Hall

3:15-3:45 p.m.

Green Infrastructure Solutions for Buffalo: The Rain Check Program

Bernadette Callahan ▼ Stantec

Buffalo Sewer Authority's Rain Check program aims to improve water quality through green infrastructure (GI) solutions, ensuring sustainability and compliance with the Clean Water Act. In this case study presentation, attendees will learn about the benefits of GI in urban settings, how ArcGIS can be used to identify and evaluate GI sites, and the importance of stakeholder collaboration for success.

Bernadette M. Callahan is a Principal Water Resources Engineer and Project Manager at Stantec with 20 years' experience in land development, resiliency planning, and green stormwater infrastructure design. As Stantec's national green infrastructure leader, she manages projects aimed at improving urban water management to create sustainable stormwater systems for communities.

Contact: 267.546.8718 | bernadette.callahan@stantec.com

3:45-4:15 p.m.

Practical Aspects for the Design of Close-Fit Liners for Gravity Sewers Using the ASCE Manual of Practice 145

Kevin Alspach & Caitlin Cavanagh ▼ AECOM

The ASCE Manual of Practice (MOP) 145 has implemented a major design update on "close-fit" lining technology in North America, which includes a diverse array of technologies such as CIPP, fold and form, thermoplastic liners, and specific sliplining applications. This session will provide an overview of the MOP 145 through a number of case studies highlighting types of applications, aspects of parameter assessment for degree of accuracy, how to present design requirements to bidders, and assessing imperfections to facilitate the review of completed installation for compliance.

Kevin Alspach, Condition Assessment and Rehabilitation Specialist for Linear Infrastructure for AECOM, has extensive knowledge of condition assessment and rehabilitation of gravity and pressure pipe using close-fit lining technology and expertise in successful design and implementation of rehabilitation using the ASCE MOP 145 technical approach.

Contact: 330.357.1388 | kevin.alspach@aecom.com

Caitlin Cavanagh, Water Resources Engineer with AECOM, has experience as the engineer of record, design team manager, and construction administrator for projects ranging from landfills with PFOA leaching concerns to green infrastructure, urban neighborhood development in Washington, DC and hurricane Sandy recovery projects in NJ.

Contact: 908.239.5208 | caitlin.cavanagh@aecom.com

Registered attendees who stay for the last session of the day earn the chance to win a \$50 gift card. Must be present to win.

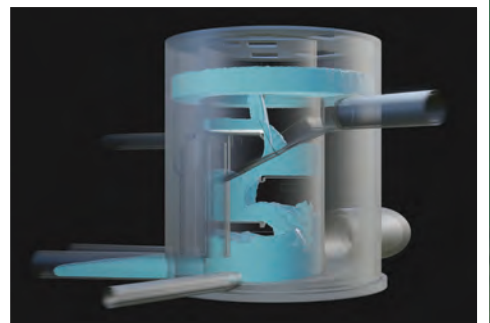




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An aerial photograph of a wastewater treatment plant. The plant features several long, parallel rectangular basins filled with water, some showing green algae. A series of white circular floats or buoys runs along the right side of the basins. In the lower-left corner, there are some industrial structures and equipment. A small white boat is visible in the dark water to the right of the plant. The overall scene is industrial and aquatic.

We are building the future of **clean water** for our region.

As one of the four pillars of ALCOSAN's Clean Water Plan, our plant expansion program will provide additional wastewater treatment capacity and help reduce the number of overflows caused by excess stormwater entering the system.

To learn more about ALCOSAN's Clean Water Plan, please visit **www.alcosan.org**



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8:00-9:00 a.m. Registration, Continental Breakfast & Exhibit Hall

9:00-9:30 a.m.

Green Infrastructure: How Changes in Design and Implementation Have Reduced Maintenance and Supported Long-Term Benefits

Lisa Werder Brown ▼ Watersheds of South Pittsburgh
Tim Prevost ▼ ALCOSAN

Green Stormwater Infrastructure (GSI) can be an effective strategy to mitigate the effects of stormwater runoff while also providing communities with numerous benefits. However, issues can arise from flawed design and implementation. Since the rollout of ALCOSAN's GROW grant program, thoughtfully designed GSI projects have increased and those projects undergo greater scrutiny, especially regarding monitoring and maintenance. Attendees will learn how to design GSI projects for easy maintenance and maximum aesthetics.

Lisa Werder Brown is the Executive Director of the Watersheds of South Pittsburgh. Her work includes coordinating the Saw Mill Run Integrated Watershed Management Plan, Master Site Development Plan, and Economic Flooding Study. In addition, she works both locally and regionally to raise awareness about the issues of stormwater runoff and sewage overflows.

Contact: 412.491.2081 | lisa@wospgh.org

Tim Prevost oversees ALCOSAN's award-winning GROW program. Tim has more than 28 years' experience at ALCOSAN, a Bachelor of Science in civil engineering from Rochester Institute of Technology and earned his Professional Engineering license in 2002.

Contact: 412.734.8731 | timothy.prevost@alcosan.org

9:30-10:00 a.m.

A Tale of Two Collection Systems: Reducing CSOs Using Hydraulic Optimization to Minimize Storage and Reduce Overflows

Shannon Conway ▼ Stantec

The Northeast Ohio Regional Sewer District's (NEORS) \$3 billion combined sewer overflow (CSO) control consent decree-driven program, Project Clean Lake, for the most part, comprises storage tunnels, but tunnels can't reach every CSO, necessitating satellite storage and conveyance projects to address remaining overflow locations. Through

flow management and optimal use of existing infrastructure, a single consolidated tank proved feasible. During this session, participants will learn how thorough data collection and planning can reduce costs, how the use of existing infrastructure reduces new capital improvements, and how early understanding of site and hydraulic constraints leads to efficient design and minimized rework.

As Senior Principal Engineer for Stantec, Shannon Conway's expertise encompasses developing and reviewing hydraulic modeling strategies for planning studies throughout the U.S. She also has experience ensuring quality assurance for the modeling components of master plans and long-term control plans. Shannon has worked on several integrated plans and led modeling efforts for storage tank and lift station design projects.

Contact: 216.298.0623 | shannon.conway@stantec.com

10:00-10:45 a.m. Break & Exhibit Hall

10:45-11:15 a.m.

From Scope to Success: Organizing a Multi-Municipal Sanitary Sewer Rehabilitation Project

Robert Firek ▼ Baldwin Borough

Collaborative infrastructure projects can be complex especially when multiple municipalities are involved. This session will walk attendees through the end-to-end process of organizing a multi-municipal sanitary sewer rehabilitation project, highlighting key steps, challenges, and best practices. Attendees will gain valuable insights into how to effectively coordinate among municipalities, allocate costs fairly, and manage the project through a designated lead entity.

Robert Firek is the Manager of Baldwin Borough, where he has worked for more than eight years. Prior to his current role, he served as Baldwin's Municipal Services Manager overseeing public works, infrastructure projects, and in-house engineering. A licensed professional engineer, Bob's experience also includes 23 years in civil and municipal engineering.

Contact: 412.882.9600 | rfirek@baldwinborough.org



11:15 a.m.-12:00 p.m.

PANEL DISCUSSION

Monitoring CSOs and SSOs:

One Size Does Not Fit All

Moderator: Brad Boddy ▼ Wade Trim

Ruari Egan ▼ ADS Environmental Services

Dennis Flynn ▼ Gateway Engineers

Eric Planey ▼ Drnach Environmental

Daniel Thiessen ▼ Pittsburgh Water

The monitoring of CSOs and SSOs can be a complex endeavor. There are many drivers for the monitoring of overflows, including planning, design, and regulatory reporting. This panel will discuss various approaches they have used to monitor overflows factoring in the driver for the monitoring and the specific site conditions of the overflow.

Ruari Egan has been a Project Manager with ADS Environmental Services since 2019 where she is responsible for multiple flow monitoring projects throughout Western Pennsylvania and Eastern Ohio. Ruari started her career as an engineer at Pittsburgh Water where she worked for three years after graduating from Carnegie Mellon University with her M.S. in civil and environmental engineering.

Contact: 412.997.1259 | regan@idexcorp.com

Dennis Flynn is a Project Manager with the Gateway Engineers, where he represents multiple municipalities throughout Western PA. Since joining Gateway in 2007, he has been actively involved in the region's administrative consent order, including planning, design, construction, and compliance initiatives. Dennis has managed a diverse range of projects including, water and wastewater infrastructure, and stormwater management initiatives.

Contact: 412.409.2380 | dflynn@gatewayengineers.com

Principal and President of Drnach Environmental, Eric Planey has 20+ years' experience conducting I&I studies in municipal sewer collection systems and nearly 30 years' experience operating wastewater treatment plants in both private and public systems. Eric earned a B.S. in environmental resource management and a minor in environmental engineering from Penn State University.

Contact: 412.384.5400 | eric@drnachenvironmental.com

Daniel Thiessen is Manager of Environmental Compliance for Pittsburgh Water. Throughout his seven years with the Authority, he has served as Project Manager for the CSO Flow Monitoring Project, as well as managed Pittsburgh Water's NPDES permits. Dan graduated from Penn State University with a B.S. in Biology.

Contact: 412.485.9251 | dthiessen@pgh20.com

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

1:30-2:00 p.m.

When Rehabilitation is the Easy Part

Mallory Griffin ▼ GHD

Darnetta Craig ▼ ALCOSAN

In late 2023 a rehabilitation project began aimed at structural and inflow/infiltration rehabilitation along several critical interceptors in the ALCOSAN system. These interceptors are located within difficult portions of the existing regional conveyance system, which limits access and frequency of maintenance. Attendees will learn about the goals for the project, best practices for CIPP rehabilitation in difficult access locations, pollution prevention control plan development in a combined sewer system, and work within environmentally sensitive areas.

Mallory Griffin is the Water Market Leader for GHD's northeast region and brings almost 20 years' experience in the water/wastewater field. She has led various projects and programs including the design of over 500,000 lf of sewer rehabilitation from 8-180 inches in diameter using multiple technologies and bypass pumping requirements. Mallory earned a B.S. in civil engineering and a B.A. in architecture, both from Lehigh University.

Contact: 484.201.5907 | mallory.griffin@ghd.com

Darnetta Craig joined ALCOSAN under the Regionalization Program in 2022 as a Project Engineer III. With more than 25 years' experience in the water /wastewater industry, she supports the transfer of eligible municipal infrastructure, as well as operation and maintenance contracts in ALCOSAN's Regional Conveyance Division. Darnetta earned a B.S. in civil engineering from the University of Pittsburgh.

Contact: 412.606.1432 | darnetta.craig@alcosan.org

2:00-2:30 p.m.

Challenges in Parallel Sewer Construction by Microtunneling: Two Case Histories

Zhenqi Cai ▼ Mott MacDonald

During this session, participants will hear about two CSO abatement projects, both involving the construction of parallel sewer lines by open trench installation and microtunneling in congested and environmentally challenging settings. This session will cover challenges related to the design and construction of the CSO sewer



lines, including alignment development, site investigation and geotechnical risks, risk mitigations to protect the surrounding environment, and lessons learned.

Zhenqi Cai is the Sr. Vice President and Tunnel Engineering Manager of Mott MacDonald. He has 25 years' engineering experience in heavy civil projects, including tunnel engineering for water/wastewater conveyance and transportation. His broad area of technical expertise in tunnel engineering encompasses site investigation, geotechnical and rock mechanics analysis, geotechnical and structural design and much more.

Contact: 347.735.1189 | zhenqi.cai@mottmac.com

2:30-3:00 p.m.

Using the 3RWW Rain Gauge System: A Practical Guide

Jason Stanton & Jacob Bajek ▼ LSSE

After a significant rain event, municipalities and authorities often hear residents report “it flooded my house and my property.” A common industry standard response is that it was a 10-year, or 25-year design storm based on the precipitation data. While the response may be factually correct, it doesn't provide a tangible understanding of event magnitude. This presentation provides an overview of the 3RWW Rain Gauge System, its utility in reporting near real-time and QA/QC'd event statistics, while providing guidance to facilitate understanding during public interaction.

Jason Stanton is a Managing Principal at LSSE Civil Engineers and Surveyors where he has been serving municipalities and authorities for the last 30+ years. As a member of the 3RWW Program Management Team, Jason has been active in 3RWW collaborative efforts dating back to the early 2000's.

Contact: 412.264.4400 | jstanton@lsse.com

Jacob Bajek is a Senior Project Manager at LSSE, where he has worked since 2008. He serves as client manager and assistant client manager for several municipalities and authorities in the ALCOSAN service area including key roles in the ALCOSAN Basin Planning Process.

Contact: 412.264.4400 | jbajek@lsse.com

3:00-3:30 p.m.

Overview of Pittsburgh Water's SDRS Program and Challenges in Knoxville

Nick Modany ▼ JMT

Duygu Altintas ▼ Pittsburgh Water

Pittsburgh Water developed a program to structurally rehabilitate combined sewers up to 30 inches in diameter with Cured-in-Place Pipe (CIPP) lining and the City of Pittsburgh's Knoxville neighborhood was selected as part of the 2023 Small Diameter Sewer Rehabilitation (SDSR) program. The project was split into two phases, which included 160 excavations and then trenchless CIPP lining. Attendees will learn about the program's design and implementation steps, as well as funding and cost-effectiveness strategies.

A Project Manager with JMT, Nick Modany has nine years' experience in construction management and inspection and civil design. He has worked on many municipal capital improvement and operations projects, including sewer/man-hole reconstruction and rehabilitation, stormwater infrastructure improvements, catch basin and inlet replacement, and pump station improvement projects in Pittsburgh, Cleveland, and Baltimore.

Contact: 412.375.5123 | nmodany@jmt.com

Duygu Altintas is a Project Manager at Pittsburgh Water with more than 10 years' experience in working on the planning and execution of critical infrastructure projects. In her role, Duygu collaborates with multi-disciplinary teams to oversee projects that enhance the City's sewer systems. And contribute to Pittsburgh Water's efforts to modernize infrastructure and improve conveyance from the community.

Contact: 765.425.4347 | daltintas@pgh2o.com

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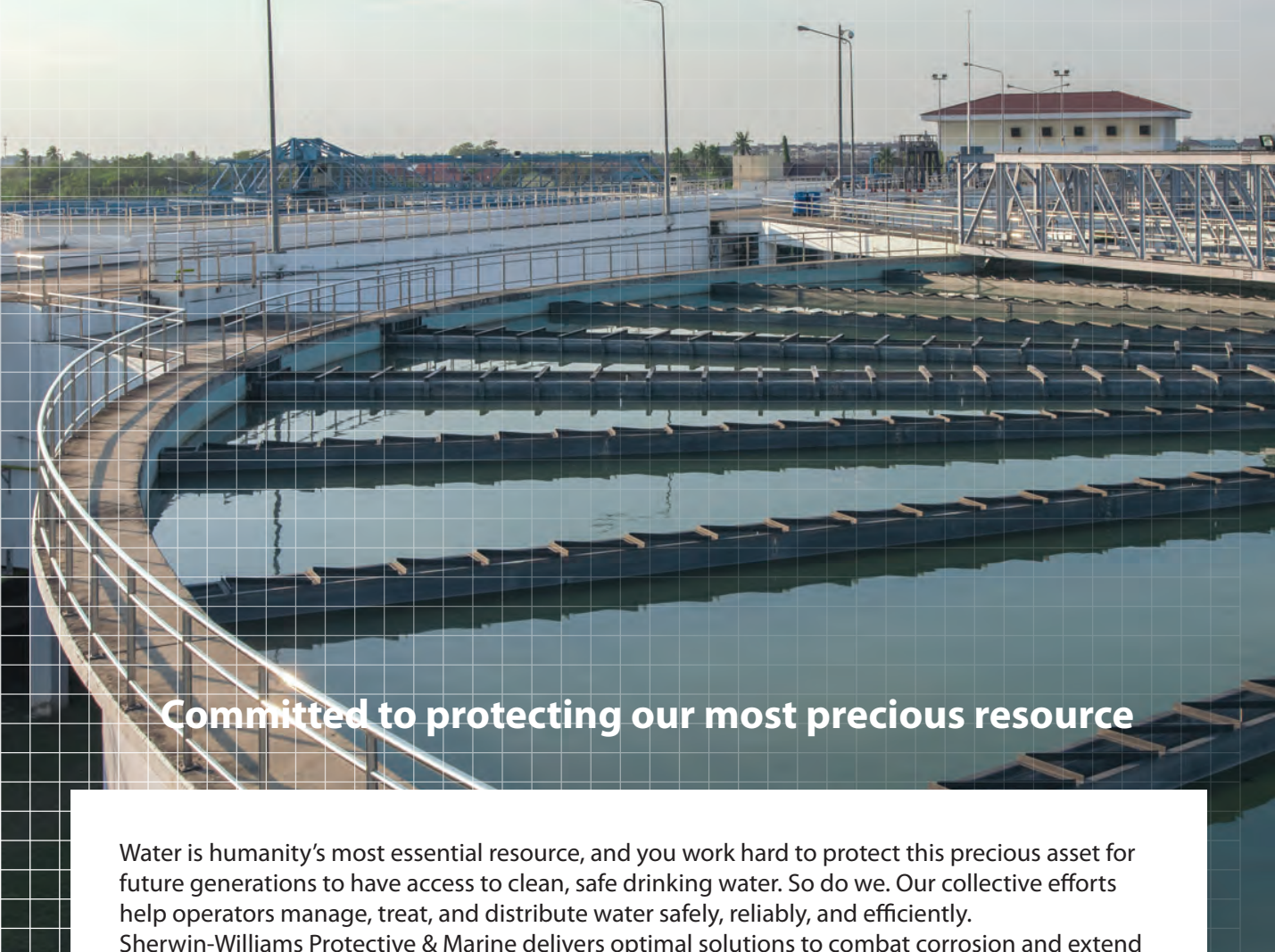
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Booth 24

Manufacturer of equipment for the maintenance & trenchless rehabilitation of collection systems for the last 40 years. Logiball carries a complete line of test & seal injection packers for mainline sewers, lateral connections and lateral lines along with PR10 Acrylamide grout to control groundwater infiltration. A complete line of multi-size reinforced inflatable pipe plugs for testing, blocking, flow diversion and bypass pumping. Inflatable flow-thru carriers for the installation of CIPP sectional liners & mechanical locking sleeves along with related equipment.

Contact: Hendrick Simard ▼ 418.656.9767
info@logiball.com ▼ www.logiball.com

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Exhibitor Guide



LSSE Civil Engineers and Surveyors* Booth 31

A leading provider of civil engineering and surveying services for 40 years. Serves public & private clients in 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. LSSE's operating plan focuses on client satisfaction and corporate and individual career development.

Contact: Jason Stanton ▼ 412.264.4400
jstanton@lsse.com ▼ www.lsse.com

McCormick Taylor Inc. Booths 21 & 22

A full-service consultant engineering firm since 1946, specializing in engineering for transportation and planning, highway, structural, traffic, and municipal projects, as well as planning, energy/utility permitting, water resources, environmental studies, and compliance and communications services. Headquartered in Philadelphia and has nearly 400 employees throughout 16 offices across the eastern U.S.

Contact: Ken Rich ▼ 412.922.6880
kvrinch@mccormicktaylor.com ▼
www.mccormicktaylor.com

Michael Baker International* Booth 66

Based in Pittsburgh, a leading provider of engineering and consulting services, including design, planning, architectural, environmental, construction, and program management. Has been solving some of the world's most complex infrastructure challenges for more than 80 years with a legacy of expertise, experience, innovation, and integrity.

Contact: Brad Duda ▼ 412.258.0355
bduda@mbakerintl.com ▼
www.mbakintl.com

Mid Atlantic Storage Company Booth 83

Is the leading CST Storage Aquastore tank installer in the United States with more than 5,000 tanks erected in Pennsylvania, Ohio, West Virginia, Virginia, Indiana, New Jersey, Maryland and Delaware.

Contact: Ralph Wawrzyniakowski ▼ 717.706.0198
ralph@midatlanticstorage.com ▼
www.midatlanticstorage.com

Morris Knowles & Associates Booth 15

A civil engineering and surveying firm in Monroeville, PA, established in 1916. With three office locations, MKA provides services in energy support for Utica and Marcellus Shale, pipelines, wetlands services, landscape architecture, drone UAV, surveying, transportation and bridge, structural, civil site, and environmental and municipal engineering.

Contact: William Utzman ▼ 724.468.4622
wputzman@morrisknowles.com ▼
www.morrisknowles.com

Mott MacDonald LLC* Booth 87

A \$2 billion global management, engineering, and development firm. Employee-owned company with 16,000 employees and over 180 offices delivering sustainable outcomes for clients in 150 countries worldwide. Mott MacDonald works on projects in the buildings, digital, energy, environment, transportation, and water and wastewater sectors.

Contact: Kemal Niksic ▼ 412.497.2944
kemal.niksic@mottmac.com ▼ www.mottmac.com

ms consultants inc. Booth 47

A multidiscipline engineering, architecture, and planning firm for the transportation, environmental, architecture, commercial, municipal, and construction industries. Founded in 1963, the award-winning firm has nearly 400 employees among nine offices in Indiana, North Carolina, Ohio, Pennsylvania, and West Virginia.

Contact: Lauren Terpak ▼ 412.264.8701
lterpak@msconsultants.com ▼
www.msconsultants.com

MTech Booth 26

For nearly 50 years, MTech has been the cornerstone of the sewer, street, and safety industries. Our seasoned experts are available 24/7 to provide the best possible service. Whether you need sales, service, training, or parts, we are committed to being the complete solution for all your needs. Trust us to help you achieve your goals and elevate your work to new heights.

Contact: Ryan Skelton ▼ 412.952.3645
rskelton@mttechcompany.com ▼
www.mtechcompany.com

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Water – Rulison Evans Rulison.evans@ghd.com or
Mallory Griffin Mallory.griffin@ghd.com

Environment – Daniel Cusick Daniel.cusick@ghd.com

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Exhibitor Guide



National Gunite*

Booth 52

Provides trenchless repair of sewers and storm culverts using concrete that is sprayed onto steel reinforcement. Deteriorating lines are repaired from the inside, restoring structural integrity of the pipe for decades of future use.

Contact: Shane Snyder ▼ 570.447.9977

shane@nationalgunite.com ▼

www.nationalgunite.com

Neal Systems

Booth 49

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Contact: Justn Bendik ▼ 215.968.7577

jbendik@nealsystems.com ▼ www.nealsystems.com

Nicholson Construction Company*

Booth 33

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Contact: Brian Barkauskas ▼ 412.303.6607

brian.barkauskas@nicholsonconstruction.com ▼

www.nicholsonconstruction.com

Omega Liner Company*

Booth 42

Manufactures high-strength, environmentally friendly, UV-cured CIPP liners for trenchless rehabilitation and repair of wastewater and stormwater piping systems. Providing premium quality UV-cured CIPP products, installation, training, and equipment to contractors with the highest performing materials available for support of municipal agencies.

Contact: Mark McClymonds ▼ 724.996.1409

m.mcclymonds@omegaulvpipe.com ▼

www.omegaulvpipe.com

PA One Call

Booth 74

Our purpose is to prevent damage to underground facilities. To promote safety, we provide an efficient and effective communications network among project owners, designers, excavators, and facility owners.

Contact: Daniel Nemanic ▼ 412.509.7232

djnemanic@palcall.org ▼ www.palcall.org

Penn E&R Inc.*

Booth 61

Penn Environment & Remediation (Penn E&R) is a full-service environmental, engineering and construction consulting company headquartered in Doylestown, Pennsylvania with an office in Robinson Township near Pittsburgh. We provide expert consultation and turnkey service to deliver reliable, cost-effective solutions to municipalities and private clients. Our experience and dedication ensure our clients' expectations are always met or exceeded.

Contact: Bob Roach ▼ 814.860.4277

rroach@penn-er.com ▼ www.penn-er.com

Pittsburgh Water

Booth 73

The largest combined water, sewer, and stormwater authority in Pennsylvania, serving 300,000 consumers throughout the City of Pittsburgh and surrounding areas.

Contact: Holly Bomba ▼ 412.260.0840

hbomba@pgh2o.com ▼ www.pgh2o.com

Precision Laser & Instrument Inc.

Booth 43

A Trimble Authorized Distribution Partner that provides comprehensive positioning solutions for construction, surveying, and GIS/mapping and forensics industries through sales, service, repair, rentals, training, and technical support of top-quality laser, optical, positioning equipment, field supplies, and accessories.

Contact: Rose Saville-Iksic ▼ 412.512.5665

pli@laserinst.com ▼ www.laserinst.com

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Prime Contractor Supply & Eagle Concrete Products

Booth 86

Prime Contractor Supply provides stormwater structures, erosion control solutions and HDPE and PVC pipe and fittings. Eagle Concrete Products manufactures reinforced concrete pipe, manholes, inlets, barriers and custom precast solutions. Together, we offer contractors, engineers, and municipalities a one-stop source for PennDOT-approved, durable, and compliant underground infrastructure materials.

Contact: Carl Baker ▼ 724.266.6255
info@primecontractorsupply.com ▼
www.primecontractorsupply.com

Process/Kana Inc.

Booth 56

A family-owned business with a focus on solving the storage of aggressive chemicals, selection of materials of construction and liquid handling solutions to ensure employee and environmental safety. Additional product offerings include oil skimmers, coatings and linings, mixers, plastic fabrication, pumps, tank cleaning equipment and field service.

Contact: Jeff Kana ▼ 412.554.8543
jeffkana@processkana.com ▼
www.processkana.com

PumpMan Pittsburgh*

Booth A

A manufacturer's representative and repair/service for municipal, industrial, and commercial water and wastewater treatment equipment/systems. PumpMan represents numerous pump, valve, and pump system manufacturers, and serves the Western Pennsylvania, West Virginia, Eastern Ohio, and Maryland Panhandle markets. The company's services include: new equipment sales; start-up; routine inspection; field troubleshooting; and repair.

Contact: Dan Nelson ▼ 412.559.8646
dnelson@pumpmanpittsburgh.com ▼
www.pumpman.com

Rain for Rent

Booth 46

A leading provider of temporary liquid handling solutions including pumps, tanks, filtration, and spill containment. Projects range from flood relief to construction site dewatering, sewer bypasses, and industrial plant turnarounds. The company is known for its systems engineering expertise and its ability to tackle complex jobs cost effectively, providing an exceptionally high value.

Contact: Scott Legg ▼ 412.504.9787
slegg@rainforrent.com ▼ www.rainforrent.com

RedZone Robotics Inc.

Booth 6

Provides innovative and customized asset management solutions for underground infrastructure by delivering data-driven insights utilizing advanced robotics platforms, leveraging AI predictive tools and software to empower industry experts in making proactive decisions.

Contact: Michael Chessey ▼ 412.692.0381
mchessey@redzone.com ▼ www.redzone.com

Robinson Pipe Cleaning

Booth 1

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

Contact: Mike Long ▼ 412.921.2100
long@robinsonpipe.com ▼ www.robinsonpipe.com

The RootX Company*

Booth 36

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Contact: Drew Raffensperger ▼ 503.364.2999
drew@rootx.com ▼ www.rootx.com

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- Municipal Engineering
- Water, Wastewater & Environmental Engineering
- Land Development Engineering & Permitting
- Stormwater Management Design
- Environmental Engineering - Wetlands
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- Consent Orders & Corrective Action Plans
- Pump Station Designs
- Act 537 Plans, Rate Studies, Tap Fee Studies
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- NPDES Permitting & Chapter 94 Reports
- Funding & Grant Assistance
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Exhibitor Guide



SAERTEX multiCom

Booth 32

Industry-leading manufacturer of UV-cured fiberglass-reinforced pipe liner in the world. A solution provider for the trenchless rehabilitation of wastewater and supply pipes, we partner with our customers throughout the installation process from initial planning and bidding to on-site support and project completion. As a result, our high-performance liners have been successfully installed on thousands of projects.

Contact: Troy Cubero ▼ 414.499.6545
t.cubero@saertex.com ▼ www.saertex-multicom.de/en

Sci-Tek Consultants Inc.*

Booth 30

Founded in 1996. A certified-MBE organization providing sustainable solutions for clients in various industries, including water and wastewater. Our services include site civil design, design of green stormwater infrastructure, water resources engineering and planning, geotechnical engineering, GIS and asset management, surveying and mapping, and environmental consulting.

Contact: Maria Atkinson ▼ 412.713.5402
matkinson@scitekanswers.com ▼
www.scitekanswers.com

Sewer AI

Booth 48

Enables utilities, engineers, and contractors to focus on what's important: identifying issues rapidly to prioritize fixes and maximize performance. We leverage AI to give an accurate picture of sewer collection systems as a whole. While tech fuels the data we collect, SewerAI was built to make you superhuman. A user-friendly platform and responsive customer service enable your team to get supercharged results—ensuring a healthy future for our cities.

Contact: Austin Carroll ▼ 586.764.1176
acarroll@sewerai.com ▼ www.sewerai.com

Sherwin-Williams*

Booth 79

There are many coatings manufacturers, but there is only one Sherwin-Williams Protective & Marine. Deploying a team of highly experienced and skilled functional experts working closely together to help our customers achieve success is the hallmark of our knowledge and product delivery.

Contact: Matt Vonderheide ▼ 717.753.0653
matt.vonderheide@sherwin.com ▼
industrial.sherwin-williams.com/na/us/en/protective-marine/industry-solutions/water-wastewater.html

S.M. Sawchuk Sales Inc.

Booth 75

S.M. Sawchuk Sales continues to be a leader in the wastewater/water industry specializing in overflow, I&I, data delivery, stream monitoring, and industrial applications. As a rep for HACH/McCrometer, we serve Western Pennsylvania, Western Maryland, and West Virginia. For excellent customer service and the newest in technology, contact me.

Contact: Steven Sawchuk ▼ 412.443.5167
sawchuk22@aol.com ▼ www.smsawchuksales.com

Society of Women Environmental Professionals (SWEP)

Booth 23

Our mission is to provide women environmental professionals, working within the Three Rivers region, a community that recognizes and supports women's leadership and career development, and provides a forum to share information and ideas and promote public service within the environmental field.

Contact: Gabrielle Stevens ▼ 412.334.3237
gabrielle.stevens@hdrinc.com ▼ www.swep3rivers.org

Stantec

Booth 5

Is a global leader in sustainable engineering, architecture, and environmental consulting. The diverse perspectives of our partners and interested parties drive us to think beyond what's previously been done on critical issues like climate change, digital transformation, and future-proofing our cities and infrastructure. We innovate at the intersection of community, creativity, and client relationships to advance communities everywhere.

Contact: Vito Cimino ▼ 216.298.0621
vito.cimino@stantec.com ▼ www.stantec.com

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State Pipe Services Inc.

Booth 76

Full-service municipal sewer & storm infrastructure inspections, cleaning, and rehabilitations, NASSCO-certified CCTV inspectors, jet and vactor truck cleaning, debris disposal, HDPE pipe bursting and slip lining, CIPP point repairs, pressure grouting, and manhole rehabilitations.

Contact: Tim Kenney ▼ 724.679.0104

tkenney@statepipeservices.com ▼

www.statepipeservices.com

StormTank

Booth 28

(Brentwood Industries Inc.)

Specializes in innovative systems for stormwater management with a variety of products for stormwater capture, storage, and treatment, including our flagship StormTank Module 25 Series, which provides high-volume stormwater management within a flexible, stackable design. Our solutions are used in a wide range of applications such as infiltration, detention, retention, and flood mitigation.

Contact: James Freed ▼ 713.545.4941

james.freed@brentwoodindustries.com ▼

www.brentwoodindustries.com/products/stormwater

StormTrap

Booth 29

Offers solutions for managing runoff, protecting waterways, and improving the use of property. Committed to providing cost-effective, customized water management solutions to engineers, owners, and municipalities across North America and abroad. Whether you're concerned about water quality, detention, infiltration or water harvesting, StormTrap has a design to reduce our footprint, accommodate site constraints, lower overall costs, and meet specific project needs.

Contact: Justin Nace ▼ 267.449.1679

jnace@stormtrap.com ▼ www.stormtrap.com

Stormwater Compliance

Booth 93

Since 2006 Stormwater Compliance (SWC) has worked with property owners, managers, developers, and engineers in all things stormwater. From inspection and maintenance to consultation and compliance, our expert team ensures your stormwater systems function effectively and meet all local, state, and federal requirements.

Contact: Nathan Marles ▼ 877.271.9055

nmarles@lidtech.com ▼ www.swcim.com

STV*

Booth D

Provides integrated water infrastructure solutions that enhance communities and quality of life. With 100+ years of engineering excellence—from tunneling and resilient pumping to grit removal and wastewater treatment—STV helps address wet weather challenges, safeguard clean water, and support a more resilient future.

Contact: Mariya Rowley ▼ 412.880.5388

mariya.rowley@stvinc.com ▼ www.stvinc.com

Trumbull MFG

Booth 53

Located in Youngstown, OH. Manufactures composite manhole lids & frames, meter lids and frames polymer, mud valves, flapvalves, telescopic valves, tank prv, custom extension stems for valves, chain wheels, valve acc. tools for water and wastewater industries, poly wrap, VBio Poly wrap.

Contact: Brian Rogers ▼ 724.699.8776

brian.rogers@trumbull-mfg.com ▼

www.trumbull-mfg.com

United Rentals Fluid Solutions*

Booth 62

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Contact: Trevor Haselberger ▼ 216.339.3271

thaselberg@ur.com ▼ www.unitedrentals.com/solutions/specialty-solutions/fluid-solutions

U.S. Municipal Supply LLC

Booth G

A dealer for Sewer Equipment Company of America, a leader in sewer and utility service equipment. Products include trailer & truck-mounted jetting units, combination sewer units and hydro-excavation units. Not only do we sell and service these items, we are also a stocking rental house with locations in Evan City PA, and King of Prussia.

Contact: Bob Griffiths ▼ 412.335.9303

rsg@usmuni.com ▼ www.usmuni.com

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Valtronics Sales

Booth 85

A family-owned and operated company that has been supplying valves and instrumentation to water and sewer plants for over 40 years.

Contact: Nick Sylvester ▼ 304.532.2154
sylvestern@valtronics.com ▼
www.valtronicssales.com

Watertap, Inc.*

Booth 34

Provides live taps, valve insertions, and line stops with bypass capabilities. Our services are performed while the system remains under pressure and available to the community. This eliminates system disruption and the need to send out boil water alerts. Watertap Inc. has been servicing municipalities for 25+ years and has the knowledge and experience to help customers tackle the most complicated issues as they arise.

Contact: Lauren Morton ▼ 248.437.7023
lauren@watertapinc.com ▼ www.watertapinc.com

W.B. Wells Co. Inc.

Booth 98

Is the exclusive representative for Draeger fixed LEL & Toxic Gas Detection products and systems in western PA and an authorized distributor of Draeger portable gas detection and respiratory products. WB Wells is the only Draeger Certified Service Partner based in western PA. WB Wells was founded in 1970 and specializes in analytical instrumentation for safety, environment, and process control.

Contact: Dave Wells ⇨ 412.915.2243
drwells@wbwellsco.com ⇨ www.wbwellsco.com

Wilson, A Lindy Company

Booth 92

The Lindy Group family of companies offers a full range of excavating, pipeline, trenchless rehabilitation, and utility contracting services throughout Pennsylvania and Ohio. We take pride in the expertise, quality, and consistency of the services we provide.

Contact: Derek Offutt ▼ 727.923.8922
derek.offutt@wilsonexcavating.com ▼
www.thelindygroup.com/utility-construction-and-restoration/

WinCan LLC*

Booth 13

WinCan VX is an innovative data collection and analysis software that has the ability to make critical decisions based on data collected from pipeline inspections. Once collected, this data and video can be shared and delivered effortlessly through a cloud-based service called WinCan Web.

Contact: Tim Mallon ▼ 412.335.8271
tmallon@idexcorp.com ▼ www.wincan.com

WSP

Booth 71

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Contact: Kelly Lennon ▼ 410.385.4162
kelly.lennon@wsp.com ▼ www.wsp.com/en-us

Xylem Dewatering Solutions* Booths 44 & 45

Maintains a fleet of 6,000 portable pumps and 3,200 pieces of related equipment for use in construction dewatering, mining, drinking water supply, and water/wastewater bypass. Available in sizes 2 inches to 24 inches. The Dri-Prime Pump features priming to 28-feet, dry running, and solids handling capabilities.

Contact: Linda Bayne ▼ 724.266.6936
linda.bayne@xylem.com ▼ www.xylem.com

Xypex*

Booth 84

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Contact: Scott Keeven ▼ 540.834.8422
scott.keeven@xypex.com ▼ www.xypex.com

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SEWER



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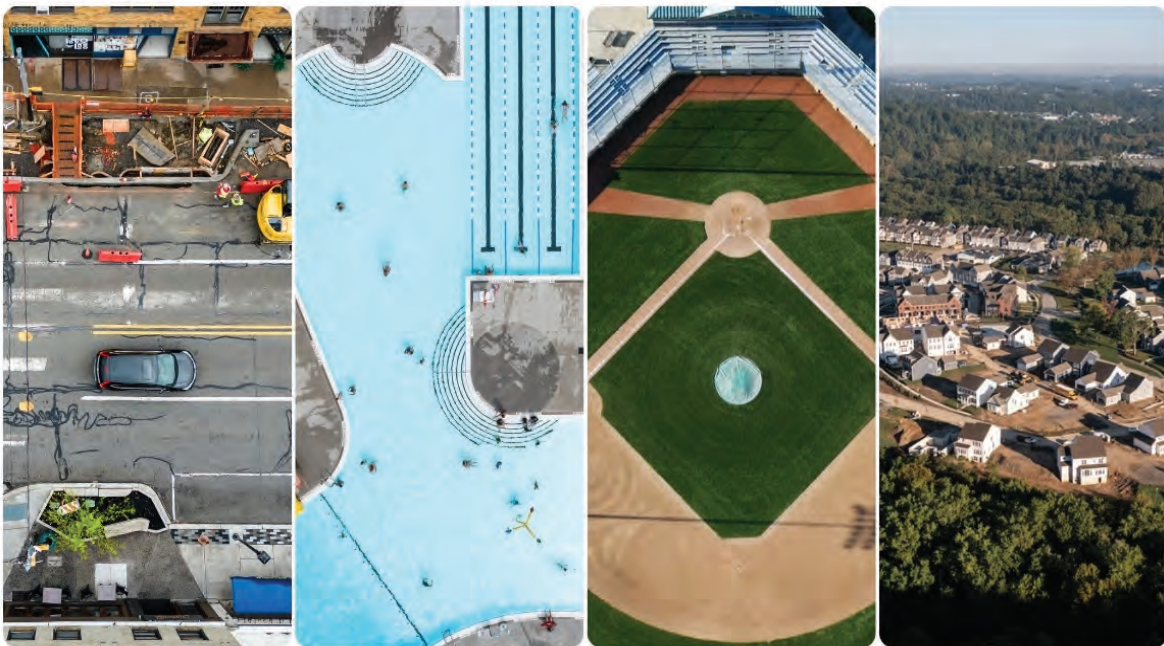


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