



3 Rivers
Wet Weather 

Conference program
including educational
session descriptions &
a full exhibitor guide

23rd Annual

Sewer Conference

November 2-3, 2022
Monroeville Convention Center



Welcome



Welcome to the 23rd Annual 3 Rivers Wet Weather Sewer Conference. While the ALCOSAN service area communities have begun compliance with the recently issued Phase II Consent Orders, it has become apparent that working across municipal boundaries provides benefits for both individual communities and our region as a whole. Many of our presenters will share their case studies demonstrating the success of regional approaches. Other speakers will provide you with the best methods for implementing source reduction projects and addressing challenges along the way. Our conference also provides a great opportunity to meet with nearly 90 exhibitors who provide cutting-edge technology and equipment to assist with the operation and maintenance of your sewer system,

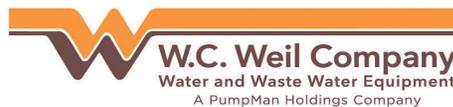
and professional services to address the wet weather issue. I hope you take this time to not only gain knowledge from our experienced slate of speakers and exhibitors, but also to connect with old friends. Everyone should feel proud of the work being done in our communities to reduce overflows and improve the quality of our waterways. You play an important role in that process, and we hope this educational conference helps you to continue your critical work in solving the wet weather issue in southwestern Pennsylvania. On behalf of the entire 3RWW staff, thanks for attending and enjoy the conference.

W. David Montz
Executive Director
3 Rivers Wet Weather

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Conference Sponsors



Conference Materials

Continuing Education Tracking Form

Please use the **Attendee Tracking Form** provided in your conference envelope to submit the sessions you attended. The forms need to be signed by conference staff at lunch and then again at the end of each day to verify your attendance.

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 the continuing education tracking form provided in the conference materials. 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 this year). 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 provides exhibitors by booth number and the flip side provides 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 guide.

Evaluation Form

Please use the **Evaluation Form** to give us your 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 (Either provide your name & email address on your completed evaluation form or if you prefer anonymity, you may turn in a business card with your completed form for the gift card drawing.)

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 it is complete, drop the entry form into the prize drawing box for a chance to win a Gift Card Tree valued at more than \$1,000! One lucky winner will be chosen shortly after lunch on November 3.

**Only registered attendees are eligible to win this exhibitor-sponsored prize. Exhibitors/exhibit booth personnel and conference staff are not eligible to win. Winner does not need to be present to win.*

NEW THIS YEAR: “Stay to win!”

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. Must be present to win. **Exhibitors, speakers & conference staff are not eligible.*



Conference Schedule

Wednesday, November 2, 2022

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.	ALCOSAN's Clean Water Plan Update Kimberly Kennedy, Michael Lichte, Timothy Prevost, & Julia Spicher
9:45-10:15 a.m.	Onondaga County's 30-Year Construction Project Zachary Monge & Andrew Potts
10:15-11:00 a.m.	Break & Exhibit Hall
11:00-11:30 a.m.	Regulatory Agencies' Perspective on Regional Wet Weather Progress Chris Kriley & Mike Moskorisin
11:30 a.m.-12:00 p.m.	Reducing I&I and Collection System Improvements Tiffany Harrison
12:00-1:30 p.m.	Lunch & Exhibit Hall
1:30-2:00 p.m.	Crafton Boulevard Sewer Separation Alberto Jarquin & Douglas Sample
2:00-2:30 p.m.	Green Infrastructure Challenges: Responsive Design, Implementation & Maintenance Lisa Werder Brown
2:30-3:15 p.m.	Refreshment Break & Exhibit Hall
3:15-3:45 p.m.	Manhole Rehab to Prevent Infiltration Heather Stiner
3:45-4:15 p.m.	PENNVEST Funding Update Robert Boos & Dan Mikesic

Thursday, November 3, 2022

8:00-9:00 a.m.	Registration, Continental Breakfast & Exhibit Hall
9:00-9:30 a.m.	Cleveland Heights Meeting its Consent Decree Cleaning and CCTV Schedule Matt St. Pierre & Collette Clinkscale
9:30-10:00 a.m.	Funding Challenges for Source Reduction Projects Tony Igwe
10:00-10:45 a.m.	Break & Exhibit Hall
10:45 -11:15 a.m.	Operating and Maintaining ALCOSAN's Regional Collection System Nate Carll & Shawn McWilliams
11:15 a.m.-12:00 p.m.	Developing a Multi-Municipal Partnership to Reduce Inflow and Infiltration Moderator: Jason Stanton Jake Bajek, Abigail Corrigan, & Jennifer Slagle
12:00-1:30 p.m.	Lunch & Exhibit Hall
1:30-2:00 p.m.	The Essential Steps to Ensure Only Valid Flow Meter Data are Used in Sewer Assessments Alexandria King
2:00-2:30 p.m.	City of Fort Wayne's Three Rivers Protection and Overflow Reduction Tunnel Greg Colzani & Emily Thompson
2:30-3:00 p.m.	M29 Outfall Rehabilitation: What Lies Beneath Mallory Griffin & Meghan Simek
3:00-3:30 p.m.	Using Integrated Planning to Update CSO Long-term Control Plans Adrienne Nemura & Christine Volkay-Hilditch

Look for these symbols in the Session Guide; they represent key topic areas critical to solving the wet weather issue.



Regional Wet Weather Plan Implementation



Improving our Region's Water Quality



Source Reduction & Flow Control



Green Infrastructure



Regional Approaches

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Wednesday, November 2, 2022

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.



ALCOSAN's Clean Water Plan Update

Kimberly Kennedy, Michael Lichte,
Timothy Prevost, & Julia Spicher ■ ALCOSAN

The Allegheny County Sanitary Authority (ALCOSAN) has embarked on a comprehensive, \$2 billion Clean Water Plan (CWP) that will significantly reduce the overflows of diluted, untreated wastewater into the region's rivers. This presentation will offer an update on the CWP, including the wastewater treatment plant expansion and the tunneling program to provide increased conveyance capacity. Attendees will learn how various components of the Plan impact their municipality, and how they can participate in CWP implementation.

Kim Kennedy is ALCOSAN's Director of Engineering & Construction, a role she has held since 2018. Kim received her B.S. in civil engineering from Bradley University and her M.S. in civil and environmental engineering from the University of Pittsburgh. As Director of Engineering and Construction, Kim is responsible for overseeing the engineering, planning, design, and project management of initiatives identified within ALCOSAN's capital budget.

Contact: 412-734-6254 | kimberly.kennedy@alcosan.org

Michael Lichte, ALCOSAN's Director of Regional Conveyance, is responsible for the maintenance of more than 90 miles of sewers, 291 regulator structures, six pumping stations, and one ejector station, which collects and moves wastewater from the municipalities to the treatment plant. Michael has over 25 years' experience in water and wastewater projects. He joined ALCOSAN in 2008 as the Manager of Planning in the Regional Conveyance Division.

Contact: 412.732.8004 | michael.lichte@alcosan.org

Tim Prevost is ALCOSAN's Manager of Wet Weather Programs and oversees ALCOSAN's award winning GROW program. Tim has more than 20 years' experience working at ALCOSAN, is a registered professional engineer and a 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 the Authority's customer municipalities to transfer responsibility for multi-municipal trunk sewers and wet weather facilities to ALCOSAN. This will triple the facilities maintained by ALCOSAN. Julia is a LEED AP, Envision Sustainable professional and certified wastewater collection system operator.

Contact: 412.734.8749 | julia.spicher@alcosan.org

9:45-10:15 a.m.



Onondaga County's 30-Year Construction Project: Closure of the Amended Consent Judgment and Next Steps

Zachary Monge & Andrew Potts ■ Jacobs

After more than thirty years of work and \$800 million in construction, monitoring, and engineering expenses, Onondaga County satisfied the requirements of its Amended Consent Judgment (ACJ). This presentation will highlight the County's accomplishments under the ACJ, including \$420 million in grey improvements, \$95 million in green infrastructure and the resulting water quality improvements. Attendees will hear about closing the ACJ, entering a state consent order, and next steps for Onondaga County, including a final long-term control plan.

Zach Monge, senior project manager for Jacobs, has more than 12 years' experience in the planning, design, and construction management of LID systems. He has designed more than 80 distinct green infrastructure (GI) projects for stormwater management and CSO abatement including, green roofs, bioretention, green streets, porous pavements, stormwater wetlands, and underground infiltration.

Contact: 315.401.7109 | zachary.monge@jacobs.com

A principal technologist with Jacobs, Andy Potts has 22 years' experience in green stormwater infrastructure (GSI), stormwater management, water resources, and sustainable site design applications. He focuses on GSI system design and implementation, performance evaluations of source control projects, and innovative stormwater management,

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among others. He has an MSCE from the University of Virginia, is a professional engineer, and is a LEED-accredited professional.

Contact: 215.845.6916 | andrew.potts@jacobs.com

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

11:00-11:30 a.m.



Regulatory Agencies' Perspective on Regional Wet Weather Progress

Chris Kriley ■ PA Department of Environmental Protection & Mike Moskorisin ■ Allegheny County Health Department

With the municipal consent order implementation underway in Southwestern Pennsylvania, representatives from both the Allegheny County Health Department and the Department of Environmental Protection will share their perspectives on the region's progress. They will provide an overview of the goals of the consent order in addressing the wet weather overflow issue and the agencies' expectations, as well as offer municipal guidance for communities working to comply with the municipal consent orders.

Chris Kriley is Program Manager for the PA DEP Clean Water Program in the Southwest Regional Office, a position he has held since 2014. Prior to his current role, Chris worked in DEP's Waterways and Wetlands Program for 20 years as an engineer and then section chief. He graduated from Penn State with a degree in civil engineering and is a licensed professional engineer.

Contact: 412.442.4312 | ckirley@pa.gov

A 32-year employee of the Allegheny County Health Department, Mike Moskorisin has served as Environmental Health Inspector, Sewage Enforcement Officer and Manager. He earned his B.S. in geology and planetary science/mathematics from the University of Pittsburgh and served a geology field internship at James Madison University in Virginia.

Contact: 412.578.8382 |

mike.moskorisin@alleghenycounty.us

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



Reducing I&I and Collection System Improvements

Tiffany Harrison ■ Gannett Fleming

The City of Baltimore is one of many large cities facing the challenge of aging infrastructure. In September 2002, the City entered into a Consent Decree (CD) to address sanitary sewer overflows from its collection system. The CD enabled the City to address sewer system deficiencies in a proactive program over a 15-year period. Attendees will hear highlights of the City's work, including "Collection System Evaluation and Sewershed Plans," a comprehensive approach to rehabilitating one of the City's eight collection systems, and how all SSOs were removed from the system.

Tiffany Harrison is an engineer in Gannett Fleming's water/wastewater division. With 13 years' experience, she has worked on several sanitary sewershed studies and rehabilitation efforts, Miami Dade County's consent decree program management, and is currently involved with water and sewer designs for Virginia American Water and the City of Baltimore.

Contact: 443.810.6172 | tharrison@gfnet.com

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

1:30-2:00 p.m.



Crafton Boulevard Sewer Separation

Alberto Jarquin ■ Gateway Engineers
Douglas Sample ■ Crafton Borough

Crafton Borough's sewer separation project is designed to reduce overflows and to work toward anticipated flow targets in the next compliance orders. This project, which spans several of the borough's streets, is designed to separate stormwater runoff from the combined sewer system and the drainage will be collected in a proposed underground detention facility. Attendees will learn about the initial evaluation of possible projects, leveraging grant funds to increase total project funds, and construction lessons learned.

Alberto Jarquin is a civil engineer with Gateway Engineers who has been working in the Pittsburgh area since 2009, and before that in Massachusetts. He brings with him

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experience in land development design, preparations of site plans, site approvals, stormwater design, utility design & coordination, zoning analysis, and construction documentation for commercial, institutional, residential, and municipal projects.

Contact: 412.409.2359 | ajarquin@gatewayengineers.com

Douglas Sample is Crafton Borough's municipal manager with 18 years' experience working with both combined and separate sewer systems. In addition to sewer work, his major focus areas include fiscal budgeting, construction management, and land development. Doug is a graduate of the University of Pittsburgh's Graduate School of Public and International Affairs.

Contact: 412.921.0752 | dsample@craftonborough.com

2:00-2:30 p.m.



Green Infrastructure Challenges: Responsive Design, Implementation, and Maintenance for Long-term Benefits

Lisa Werder Brown ■ Watersheds of South Pittsburgh

Green infrastructure has been shown to not only mitigate the impacts of stormwater, but also to provide communities with numerous ancillary benefits, including improved air quality, healthy lifestyle options, and neighborhood beautification. However, benefits associated with GI are greatly diminished when issues arise from implementation and design, inadequate community engagement, or through poor maintenance. This presentation will focus on designing for easy maintenance and maximum aesthetics; creating and improving community partnerships; and ensuring capacity for long-term maintenance.

Lisa Werder Brown is the Executive Director of the Watersheds of South Pittsburgh, where her work includes coordinating the Saw Mill Run Integrated Watershed Management Plan, the Healthy Corridor Plan, and the Economic Flooding Study. In addition, she works locally and regionally to raise awareness about stormwater runoff and sewage overflows. Lisa recently served as a member of the Southwest PA Water Network's Steering Committee.

Contact: 412.491.2081 | lisa@wospgh.org

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

3:15-3:45 p.m.



Manhole Rehabilitation to Prevent Infiltration

Heather Stiner ■ Sherwin-Williams

Every manhole project creates unique requirements and challenges. One thing is certain: properly prepared surfaces and product installations are fundamental in the success of any lining. This session will provide an in-depth discussion focusing on the four key components of manhole rehabilitation: stopping water infiltration, surface preparation, resurfacing, and coating. In addition, you will learn how certified applicators can contribute to the success of your project.

Heather Stiner joined Sherwin-Williams in 2018 and has held roles as dedicated water/wastewater sales representative and business development manager for water and wastewater in the Eastern area division. A 1997 graduate of the University of Pittsburgh where she studied chemistry, Heather has gained lab and protective coatings experience with companies such as PPG Industries, Sauereisen and the Society for Protective Coatings.

Contact: 717.360.0951 | heather.r.stiner@sherwin.com

3:45-4:15 p.m.



PENNVEST Funding Update

Robert Boos & Dan Mikesic ■ Pennsylvania Infrastructure Investment Authority

Attendees will learn important information on PENNVEST funding including eligibility, funding determination, and special initiatives, as well as how PENNVEST will utilize the Infrastructure Investment and Jobs Act funding.

Robert Boos is PENNVEST's Deputy Executive Director for Project Management, where he manages program implementation. Rob has decades of experience working in the water quality sector.

Contact: 717.783.4493 | rboos@pa.gov

Region II Project Specialist Dan Mikesec works with potential PENNVEST borrowers from concept, through application, settlement, and disbursement of the funding. Dan has many years' experience in the water quality sector.

Contact: 717.783.6673 | dmikesic@pa.gov

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

9:00-9:30 a.m.
 **Case Study: Cleveland Heights Meeting its Consent Decree Cleaning and CCTV Schedule**
Matt St. Pierre ■ Wade Trim
Collette Clinkscale ■ City of Cleveland Heights

When the City of Cleveland Heights entered into a partial Consent Decree with U.S. EPA in June 2017, one of the first major deliverables was to complete Phase 1 of a sanitary sewer evaluation study (SSES) for the entire system. Sewer cleaning, CCTV inspection, and Level 1 MACP manhole inspection of over 50% of the collection system was required by 2019. This presentation will discuss the challenges of meeting the SSES requirements, including identifying problem areas, creating manageable work areas, data collection, and proper reporting. Attendees will also hear a summary of findings from the inspection program and planning for SSES Phase 2 activities.

Matt St. Pierre has been a project manager for Wade Trim in the Cleveland Office for the last six years, focusing on wet weather, SSES and I/I projects. He has worked on water and wastewater projects in the New England area and Northeast Ohio for the last 18 years. Matt earned a bachelor's degree in chemical engineering from Worcester Polytechnic Institute.

Contact: 216.306.2563 | mstpierre@wadetrim.com

For the past three years, Collette Clinkscale has served as Director of Public Works for the City of Cleveland Heights. Prior to her current role, she was employed as the Cleveland Heights Utilities Commissioner for five years. She has more than 20 years' experience in the water and wastewater industry and earned her bachelor's in business administration from Cleveland State University.

Contact: 216.291.2209 | cclinkscale@clevelandheights.gov

9:30-10:00 a.m.
 **Funding Challenges for Source Reduction Projects**
Tony Igwe ■ Pittsburgh Water & Sewer Authority

In an effort to determine funding sources to reduce stormwater contribution to overflows, PWSA examined many types of revenue streams over the past decade, which resulted in the formal development of a stormwater program at PWSA. Coupled with its own funding source, PWSA began assessing a new stormwater rate to customers beginning in January 2022. This session will discuss the achievements, challenges, and implementation of PWSA's stormwater management service charge for stormwater utility service per PWSA's PUC-approved Stormwater Tariff, and PWSA's next steps to advance its stormwater program.

Tony Igwe has served as the Senior Group Manager, Stormwater at PWSA since 2020 and also previously supported PWSA as a consultant on the Four Mile Run Stormwater Improvement Project. Tony has nearly three decades' experience helping municipalities and authorities solve wet weather management issues in cities such as Detroit, Michigan, and Cleveland. Tony has a B.S. in civil engineering from Mississippi State University, and a master's and PhD(c) in environmental engineering from Wayne State University.

Contact: 412.526.1688 | tigde@pgh20.com

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

10:45-11:15 a.m.
 **Operating and Maintaining ALCOSAN's Regional Collection System**
Nate Carll & Shawn McWilliams ■ ALCOSAN

This presentation will provide an overview on how ALCOSAN operates and maintains the regional collection system including various investments made by ALCOSAN to improve the condition of the regional collection system. Projects to be discussed include cleaning of the Chartiers Creek interceptor, lining of the Saw Mill Run interceptors, rehabilitation of the Monongahela subaqueous interceptor, Ravine Street stream separation project, and improvements to various regulator structures.

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Nate Carll is ALCOSAN's Manager of Interceptor Systems responsible for overseeing the operation and maintenance of ALCOSAN's regional collection system. Nate has 15 years' experience in the design, construction, and operation of various collection systems in Ohio, Michigan, and Pennsylvania. He is a registered professional engineer in both Ohio and Pennsylvania.

Contact: 412.734.6237 | nathan.carll@alcosan.org

Shawn McWilliams is a project engineer at ALCOSAN working on all facets of sanitary sewer system design and construction. Shawn has more than 15 years' experience working on the region's collection and conveyance system.

Contact: 412.732.8053 | shawn.mcwilliams@alcosan.org

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



Panel Discussion: Developing a Multi-Municipal Partnership to Reduce Inflow and Infiltration

Moderator: Jason Stanton ■ LSSE

Jake Bajek ■ LSSE

Abigail Corrigan ■ Bethel Park Municipality

Jennifer Slagle ■ Gateway Engineers

This panel of municipal representatives will share their experiences in developing a multi-municipal partnership to solve the overflows within their joint sewershed. The strategies, outcomes, and considerations presented will show the evolution and development of a functional partnership. With the facilitation of 3RWW, each municipality shares tasks, invests resources and fully participates in the planning and implementation of each task toward the ultimate goal of reducing inflow and infiltration, and collectively complying with the municipal consent orders requirements.

Jake Bajek, PE is a Senior Project Manager at LSSE with 14+ years' experience in civil/environmental engineering. His experience includes wastewater facilities planning and design work focused on sanitary sewer evaluation studies, flow monitoring, and H&H modeling. Jake is a member of the 3 Rivers Wet Weather Program Management Team.

Contact: 412.264.4400 | jbajek@lsse.com

Abby Corrigan is the sanitary sewer engineer for Bethel Park. She began her wastewater career as a shift superintendent at ALCOSAN, acquiring a Class A Wastewater Operator License and City of Pittsburgh Stationary Engineering license. She received a B.S. from Carnegie Mellon

University in materials science and engineering along with engineering and public policy.

Contact: 412.831.6800 | acorrigan@bethelpark.net

Jenn Slagle, PE, has been with Gateway for half of her 20- year career in civil and municipal engineering. A graduate of the University of Pittsburgh, Jenn serves as project manager and municipal engineer for several communities. where she assists clients in infrastructure planning and design, including the complex storm and sanitary sewer issues facing our region.

Contact: 412.921.4030 | jslagle@gatewayengineers.com

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

1:30-2:00 p.m.



The Essential Steps to Ensure Only Valid Flow Meter Data are Used in Sewer Assessments

Alexandria King ■ Arcadis

Flow meter data is a great tool for prioritizing sewer system rehabilitation, but only if the data is accurate. Attendees will learn how several unique methods were used to validate 116 flow meters and 22 rain gauges in Lehigh County, PA and how these methods can easily be applied to any sewer metering project.

Alex King is a professional engineer at Arcadis in Philadelphia. She is a graduate of Cornell University and has been with Arcadis for five years. Her areas of expertise include buried infrastructure rehabilitation, hydraulic modeling, flow management, and stormwater utility development.

Contact: 215.931.4349 | alexandria.king@arcadis.com

2:00-2:30 p.m.



Case Study: City of Fort Wayne's Three Rivers Protection and Overflow Reduction Tunnel

Greg Colzani & Emily Thompson ■ Jacobs

The City of Fort Wayne, Indiana has entered a consent decree with the U.S. Environmental Protection Agency, U.S. Department of Justice, and the Indiana Department of Environmental Management to implement a combined sewer overflow (CSO) Long Term Control Plan (LTCP) to

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reduce the volume of combined sanitary and storm sewage that is discharged into the city's waterways. Participants will hear an overview of the City's LTCP and learn about The Three Rivers Protection and Overflow Reduction Tunnel (3RPORT) Project, including project implementation to mitigate risk, successes, challenges, and lessons learned.

Gregory Colzani has more than 30 years' experience in mining, tunneling, and heavy civil and underground construction with an emphasis in quality control and construction management. He serves as Jacobs global practice leader for tunnel construction management and inspection.

Contact: 503.849.6560 | greg.colzani@jacobs.com

Emily Thompson is a professional engineer with seven years' experience in the construction area, including four years involved in the Fort Wayne Tunnel Project. She has been a resident engineer on both the dewatering pump station and the deep tunnel.

Contact: 812.276.7122 | emily.thompson@jacobs.com

2:30-3:00 p.m.



M29 Outfall Rehabilitation: What Lies Beneath

Mallory Griffin ■ GHD
Meghan Simek ■ Pittsburgh Water & Sewer Authority

The M29 outfall on the Monongahela River, the second-largest combined sewer outfall (CSO) in the city of Pittsburgh and a major portion of the combined sewer interceptor network, was recently rehabilitated using trenchless techniques to enhance its structural integrity and provide water quality improvements. This presentation will provide an overview of the hydraulics of the system, hydraulic modeling results, and the physical scale model. Attendees will also hear about lessons learned and the construction challenges faced while working within an active CSO below the Monongahela River pool.

Client Relationship Manager for GHD, Mallory Griffin has 15+ years' experience in planning, design and construction of water and wastewater systems across the mid-Atlantic region. Her experience includes pipeline and rehabilitation design, wet weather programs, and urban infrastructure replacement. Mallory is a registered professional engineer in Pennsylvania, Maryland, Ohio, and Florida.

Contact: 484.201.5907 | mallory.griffin@ghd.com

Meghan Simek, PE, is a project manager for the Pittsburgh Water & Sewer Authority (PWSA). Over her 20-year career, she has designed and managed innovative stormwater and green infrastructure projects in Washington, DC, Maryland, and Pennsylvania. In her current role at PWSA, Meghan leads capital improvement projects in both the wastewater and stormwater groups, providing restoration and increased performance in an aging system.

Contact: 412.255.8800 Ext: 5031 | msimek@pgh2o.com

3:00-3:30 p.m.



Using Integrated Planning to Update CSO Long-term Control Plans

Adrienne Nemura ■ Geosyntec Consultants
Christine Volkay-Hilditch ■ City of Lancaster

The U.S. EPA issued the integrated planning framework for municipal wastewater and stormwater in 2012, which was incorporated into the Clean Water Act in 2019. Local governments can use the framework to prioritize their stormwater and wastewater projects and make the case for an affordable capital improvement program, including one that relies on green infrastructure or other innovative projects to reclaim, recycle, or reuse water. Integrated planning can provide much needed regulatory relief for cities, towns and villages and result in greater environmental and public health benefits with ratepayer investments. This presentation will provide a description of integrated planning, identify resources for communities, and highlight several case studies, including for communities with combined sewer overflows.

Adrienne Nemura has specialized in NPDES permitting and other Clean Water Act requirements for 37 years. She began her career at the Virginia Water Control Board and has worked for more than 50 municipalities on sewer overflow long-term control plans and integrated plans. She is a frequent national speaker and member of the U.S. Conference of Mayors' Water Development Advisory Board.

Contact: 734.476.0357 | anemura@geosyntec.com

Christine Volkay-Hilditch is a professional engineer experienced in project and construction management, wastewater treatment, and utility management. She is also a licensed PA Water and Wastewater Treatment Operator.

Contact: 717.293.5531 | childitch@cityoflancasterpa.com

Exhibitor Guide

A & H Equipment

Booths A & B

Is headquartered in Zelienople, PA with two other locations in Harrisburg and Somerset. Combines quality products and parts with expert support services to meet the needs of municipal contractors and airport clients throughout PA and WV. The A&H team has been providing industry-leading environmental and truck equipment solutions since 1963.

Contact: Perry Ohm ■ 412.721.6990

r.ohm@ahequipment.com ■ www.ahequipment.com

ACO

Booth 24

A global company specializing in stormwater management products since 1954. "Collect, Clean, Hold, Release" is carried through with extensive product types that include: precast trench drains, separator devices, detention holding devices, and discharge devices. Since 1976, ACO has been the industry leader in precast trench drains in the USA.

Contact: Jim McConnell ■ 440.477.9316

jim.mcconnell@aco.com ■ www.acoswm.com

ADS Environmental Services

Booth 68

Offers comprehensive, innovative flow information from real-time flow data to temporary flow monitoring reports. From flow monitors, software, field services and data processing to web-based information and statistical reporting, ADS delivers the right information at an affordable cost. Flow and level monitors will be on display.

Contact: Rob Grob ■ 859.512.8204

rgrob@idexcorp.com ■ www.adsenv.com

Advanced Drainage Systems

Booth F

An industry leader of high performing, durable pipe built to provide innovative stormwater management solutions. Advancing the world's water infrastructure with chambers, basins, and more. Not only can you count on us for premium performing products, but we help support you before, during, and after your project.

Contact: Jacob McQueen ■ 724.591.1555

jacob.mcqueen@ads-pipe.com ■ www.adspipe.com

Advanced Rehabilitation Technology Booth 14

Provides municipal and industrial customers with Severe Service Lining Systems. Using OBIC Products, ART provides customers with lining systems in manholes, wet wells, culverts, treatment plants, and industrial facilities that prevent infiltration, exfiltration, and deterioration protection from corrosive environments.

Contact: Rusty Hesselschwardt ■ 419.636.2684

rusty@artcoatingtech.com ■ www.artcoatingtech.com

Aegion-Insituform Technologies LLC/ Booth 56 Underground Solutions Inc.

Insituform CIPP has been used for more than 45 years to protect pipelines from corrosion, restore structural integrity, reduce infiltration, eliminate leaking joints, improve water quality, and increase pipeline flow capacity. Offers a variety of solutions for renewing wastewater and stormwater pipelines, as well as pressurized force mains and water distribution and transmission mains.

Contact: Sue Bazen & Bobby McMaster ■ 636.530.8000

corpcomm@aegion.com ■ www.aegion.com

ALCOSAN

Booth 60

The clean water agency for most of Allegheny County, providing conveyance and wastewater treatment to 83 municipalities including Pittsburgh. Works closely with its customer municipalities, offering grants and technical assistance for flow reduction projects, regionalization of multi-municipal trunk sewers, and material brochures and presentations for ratepayers.

Contact: Jeanne Clark ■ 412.734.6222

jeanne.clark@alcosan.org ■ www.alcosan.org

Allegheny County Conservation District

Booth 75

The Allegheny County Conservation District is an urban conservation district that engages and leads through partnerships, innovation, and implementation to conserve, promote, and improve Allegheny County's natural resources.

Contact: Heather Manzo ■ 412.242.7645

hmanzo@accdpa.org ■ www.accdpa.org

Exhibitor Guide

Allegheny Utility Solutions LLC Booth 76

Small, veteran-owned company providing services including utility locating, GIS mapping, ground-penetrating radar, NASSCO pipe/manhole inspections, and drone services.

Contact: Josh McConnell ■ 717.585.4186
josh@alleghenyutility.com ■ www.alleghenyutility.com

AUMA Actuators Inc. Booth 23

Has been manufacturing valve actuators for 47 years and is a major supplier of electric actuators and gearboxes to water, power, oil & gas, and industrial markets.

Contact: Scott Fanning ■ 724.743.2862, ext. 291
scott.fanning@auma-usa.com ■ www.auma.com

Borton-Lawson Booth 59

Founded in 1988, Borton-Lawson is a full-service architecture and engineering design firm offering a comprehensive range of services. We work diligently to maintain our professional reputation based on an unwavering commitment to project excellence while serving clients in the public and private sectors.

Contact: Amanda Schumacher ■ 570.821.1999
aschumacher@borton-lawson.com
www.borton-lawson.com

Buchart Horn Inc. Booth 28

We focus on the built environment that makes our world work. Whether it's providing clean water, developing a bridge or roadway system, or designing the buildings where we live, work, and play, our engineers and architects are committed to designing practical solutions that strengthen our communities.

Contact: Mark Karolski ■ 412.682.5282
mkarolski@bucharthorn.com ■ www.bucharthorn.com

Civil & Environmental Consultants Booth 54

A leader in green infrastructure design and performance assessment. Qualified and experienced professionals design innovative stormwater solutions, including effective maintenance and monitoring programs. Combines the art and sciences of stormwater and landscape management and aspires to drive thoughtfully located, appropriately sized, and naturally designed solutions.

Contact: Justin Wagner ■ 412.429.2324
jjwagner@cecinc.com ■ www.cecinc.com

Colliers Engineering & Design Booth 18

A trusted provider of multi-discipline engineering, design, and consulting services to public and private sector clients. We specialize in providing a comprehensive suite of services through talented professionals in offices nationwide who utilize the most advanced technologies to deliver customized solutions for our clients.

Contact: Darnetta Craig ■ 412.752.7583
darnetta.craig@colliersengineering.com
www.colliersengineering.com

Construction Polymer Technologies Booth 81

Supplies RockHardscp® a longest-lasting polymer concrete material for sewer pipe construction, which can be used to produce both precast and cast-in-place structures, such as precast manholes, wetwells, and other sanitary sewer containment structures, as well as tunnel segments, chemical containment structures, grouts, and mortars. Rockhardscp provides solutions to the sanitary sewer industry.

Contact: Russell Raymond ■ 440.591.9018
russell@constructionpolymerstech.com
www.constructionpolymerstech.com

Cosmos Technologies Inc. Booth 44

A certified MBE engineering firm founded in 1998; located in Pittsburgh, Harrisburg, Cleveland, Akron, and Louisville. A team of professional engineers, certified inspectors, and support staff offer technical expertise in civil-site design and development, construction management/inspection, water resources engineering, wastewater engineering, and environmental engineering/safety management.

Contact: Holly Douglas ■ 412.321.3951
hdouglas@cosmostechnologiesinc.com
www.cosmostechnologiesinc.com

Exhibitor Guide

DAS Group Inc.

Booth 67

A manufacturer's representative organization focused on water and wastewater treatment solutions.

Contact: Dan Nelson ■ 412.559.8646

dan@dasgroupinc.com ■ www.dasgroupinc.com

DLVEWS Inc.

Booth E

A company highly focused on infrastructure maintenance and rehabilitation projects with two main "branches."

We focus on servicing a wide range of customers and their culvert and sanitary piping issues. From working with the engineers and owners to in-field/onsite assistance for contractors with culvert slipline and rehab projects, we provide the best answers for failing pipe. DLVEWS also focuses on inflow and infiltration stopping for manholes and piping.

Contact: Don LeBlanc ■ 207.992.3080

don@dlvews.com ■ www.dlvews.com

DLZ

Booth 71

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: Jamie North ■ 412.319.4100

jnorth@dlz.com ■ www.dlz.com

DN Tanks

Booth 17

Offers design and construction of precast, prestressed concrete tanks for water, wastewater, and thermal energy storage.

Contact: Corey Meyers ■ 717.356.0491

corey.meyers@dntanks.com ■ www.dntanks.com

Drnach Environmental Inc.

Booth 43

Founded 20 years ago to provide quality flow monitoring in Southwestern Pennsylvania. Has developed extensive and thorough quality assurance and reporting programs, which include both field and office evaluation of real-time and historical flow data, along with hydraulic profiles of specific monitoring points.

Contact: Eric Planey ■ 412.384.5400

eric@drnachenvironmental.com

www.drnachenvironmental.com

DRV Inc.

Booth 74

Provides pump and blower control variable frequency drives and controls VFD, PLC, and HMI maintenance and service.

Contact: Scott Hinsch ■ 412.260.1146

dshinsch@drv-inc.com ■ www.drv-inc.com

Duke's Root Control

Booth 48

Is an experienced, nationwide service provider that identifies and eliminates sewer system blockages and I&I (inflow & infiltration), extending the life of your critical infrastructure assets.

Contact: Bob Hunn ■ 800.447.6687

bob@dukes.com ■ www.dukes.com

Dutchland Inc.

Booth 35

A manufacturing and construction company that specializes in engineering, manufacturing, and constructing prestressed, post-tensioned concrete tanks for the water and wastewater industries.

Contact: Mike Schmidt ■ 717.442.8282

mschmidt@dutchlandinc.com

www.dutchlandinc.com

Eisler Landscapes

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, bioswales, permeable paving, rain gardens, wetlands, and E&S controls.

Contact: G. Eric French ■ 724.865.2830

eric@eislerlandscapes.com

www.eislerlandscapes.com

Exhibitor Guide

EJ

Booth 64

The leader in the design, manufacture and distribution of access solutions for water, sewer, drainage, telecommunications, and utility networks worldwide. Products include manhole frames and covers, hinged access assemblies, drainage grates, valve boxes, and related products. Made in the USA.

Contact: Kevin Pushay ■ 412.292.3897
kevin.pushay@ejco.com ■ www.ejco.com

Erdman Anthony

Booth 49

Founded in 1954. A leading infrastructure engineering firm in the eastern U.S. Has 300 professionals and is 100% employee-owned. A multidisciplinary engineering resource that provides clients with services in the fields of civil engineering, transportation engineering, geospatial services, and facilities engineering, as well as construction observation, and commissioning services.

Contact: Daniel Ziemianski ■ 716.48.3794
ziemianskidj@erdmananthony.com
www.erdmananthony.com

E-Tank/E-Pump

Booth 38

Dedicated to quality, performance and reliability, E-Tank rigorously maintains its fleet of tanks, boxes, pumps, and filters. Unlike other equipment suppliers, we don't just rent pumps, filtration, tanks, and boxes. We offer service, advice, and information, and we pay close attention to your specific requirements. Our team of knowledgeable and qualified specialists design a system that perfectly addresses your needs.

Contact: Chassidy Omogrosso ■ 888.703.8265
comogrosso@etank.net ■ www.etank.net

Exeter Supply Co. Inc.

Booth 55

A family-owned municipal water, sewer, and storm water material supplier. We currently have seven locations in Pennsylvania, and service Pennsylvania, New Jersey, Delaware, and Maryland. We pride ourselves in searching out and bringing new products to our customers in the industry.

Contact: Rob Schulenberg ■ 724.470.6817
robs@exetersupply.com ■ www.exetersupply.com

Ferguson Waterworks

Booth D

As an emerging leader in GIS & LID, Ferguson offers a selection of urban green waterworks solutions: Space efficient storage, filters, screens, and biofiltration with high flow media, as well as alternative porous surfaces. These all help overcome urban stormwater challenges in private site and municipal projects. Beyond the products, Ferguson also offers comprehensive design and job site assistance.

Contact: Gregory Kramer ■ 412.475.0099
greg.kramer@ferguson.com
www.acfenvironmental.com

GA Industries a VAG Group Brand

Booth 26

Was founded in Pittsburgh in 1895 by Edward Golden and Charles Anderson to manufacture valves for the boiler works industry. Over the years, GA Industries grew by adding products and expanding into other markets, which now service the water and wastewater industries along with the stormwater industries with products, such as plug valves, AWWA butterfly valves, pump control and level control valves, check valves, and air valves.

Contact: Greg Clifford ■ 724.900.0241
g.clifford@vag-group.com ■ www.gaindustries.com

GAI Consultants Inc.

Booth 12

Transforming ideas into reality for more than 64 years. GAI is 700+ person, employee-owned multi-discipline engineering and environmental consulting firm serving clients worldwide in the energy, transportation, real estate, water, municipal, government, and industrial markets from U.S. offices throughout the northeast, midwest, and southeast.

Contact: David Troianos ■ 724.332.0203
d.troianos@gaiconsultants.com
www.gaiconsultants.com

GapVax Inc.

Booth G

A leading manufacturer of custom-built industrial and municipal vacuum equipment. Combination jetvacs, jetters, jetter trailers, air movers, hydrovacs, and recycle jetvacs.

Contact: Eric Corella ■ 814.535.6766
ecorella@gapvax.com ■ www.gapvax.com

Exhibitor Guide

GeoTree Solutions

Booth 6

Provides GeoSpray and GeoSpray HCE geopolymer mortar solutions for large diameter pipe and manhole rehabilitation. The geopolymer is sprayed on to create a corrosion-resistant structurally independent pipe inside the old pipe or MH/structure.

Contact: Scott Naiva ■ 610.971.0362

snaiva@cs-nri.com

www.cs-nri.com/brands/geotree-solutions

GHD

Booth 53

A leading professional services company operating in the global markets of water, energy and resources, environment, property and buildings, and transportation. We deliver engineering, environmental, advisory, digital, and construction services to public and private sector clients across five continents and the Pacific region. Committed to creating lasting community benefit, we connect the knowledge, skill and experience of our 10,000 diverse people with innovative practices, technical capabilities, and robust systems.

Contact: Rulison Evans ■ 412.684.9041

rulison.evans@ghd.com ■ www.ghd.com

Giangerlo Scientific Co. Inc.

Booth 34

Exhibiting Toshiba MAG Flow Meters, mount anywhere design MAG meters, density meters, draeger gas detection, aeration flow meters, parshall flumes, portable water samplers, lab instrumentation, rental equipment, onsite calibration of gas detection, fixed and portable, digester gas control equipment, vent valves, sediment traps, and manhole inserts.

Contact: Vince Giangerlo ■ 800.229.8850

sales@giangerloscientific.com

www.giangerloscientific.com

Golden Equipment Co. Inc.

Booth 1

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

Contact: Jim Totin ■ 800.242.1494

golden4pa@hotmail.com

www.goldenequipmentcompany.com

GPD Group

Booths 15-16

Specializes in architectural and engineering design, construction, telecommunications, and environmental services. Market sectors: public buildings, education, housing, healthcare, parks and recreation, water resources, public works, geotechnical, land surveying, federal, environmental, transportation, retail/commercial, site development and utility services. Committed to developing business within the framework of specialized market sectors.

Contact: Tina Belz ■ 412.586.1397

tina.belz@gpdgroup.com ■ www.gpdgroup.com

Herbert, Rowland & Grubic Inc.

Booth 5

A 100% employee-owned, full-service consulting firm that provides quality, cost-effective solutions to clients in the public and private sectors. Provides planning, site design, permitting, and environmental assessments to transportation and survey and more. HRG is celebrating 60 years, currently boasts 8 office locations throughout Pennsylvania and West Virginia, and has 300 dedicated employee-owners.

Contact: Kara Smith ■ 717.564.1121

ksmith@hrg-inc.com ■ www.hrg-inc.com

Inland Tarp & Liner

Booth 79

Fabricates premium environmental and energy market liners and products. Inland Tarp & Liner is a recognized leader in geomembrane fabrication and anti-slip geotextile surfaces industry. In 2019, Inland Tarp & Liner introduced the ITL Reinforced Concrete Roll®, a disruptive new technology reinventing concrete.

Contact: Gabe Kissel ■ 800.346.7744

gabek@inlandtarp.com

www.itlrcr.com/www.inlandtarp.com

Insight Pipe Contracting

Booth 29

A full-service provider of underground utility and maintenance and trenchless rehabilitation solutions. Offers CCTV inspections, sewer cleaning, spot-repair lining, and end-to-end lining. A hometown contractor with services that provide clients with innovative solutions to protect and improve the environment and our communities.

Contact: Bob Carpenter ■ 724.452.6060

bob.carpenter@insightpipe.com

www.insightpipe.com

Exhibitor Guide

ITpipes

Booth 21

ITpipes' powerful inspection software provides actionable intelligence from inspections. From easy-to-use field software to powerful reporting, integrated with ESRI GIS mapping, ITpipes is the authoritative source for planning and prioritizing. Easy online sharing, PACP certification, and automated data management streamline pipeline management.

Contact: Ross Brown ■ 262.347.7582
ross@itpipes.com ■ www.itpipes.com

JMT

Booth 31

JMT is a 100%-employee-owned firm, specializing in the built and natural environments with six offices in Pennsylvania and more than three dozen additional offices across the U.S. This year, JMT celebrates 50 years of providing services that turn visions into realities with gratitude for our clients, communities, and employees.

Contact: Matthew Smith ■ 412.375.5100
msmith2@jmt.com ■ www.jmt.com

KEVCON Inc.

Booth 11

Celebrating 30 years of supplying site solutions with the Keystone Retaining Wall System, PaveDrain and Concrete Canvas. PaveDrain for permeable surfaces provides the highest infiltration rates over the longest time period of time and simplified one-step maintenance. Concrete Canvas is a protective layer of 4,000+ psi-reinforced concrete for swales, containment, pond lining, ditch lining, berm protection, culverts and more.

Contact: Anne Duggan ■ 412.445.4509
anneduggan@kevconinc.com ■ www.kevconinc.com

Keystone Clearwater Solutions

Booth 72

Has the personnel, equipment, and expertise to handle complex temporary bypass projects, emergency response, specialized filtration, and maintenance events, whether planned or on an emergency basis. Our services include system design, set up, operation, and monitoring as needed for any complex water or wastewater management.

Contact: Kaitlyn Brach ■ 724.678.9875
kbrach@keystoneclear.net ■ www.keystoneclear.net

KLH Engineers Inc.

Booth 66

KLH's approach to every project is guided by the three points of emphasis in the company philosophy: expertise, common sense, and innovation. Since 1982, KLH has provided engineering services to over 400 municipal clients, and is currently performing work for over 60 authorities and municipalities.

Contact: John Mowry ■ 412.494.0510
jmowry@klhengineers.com ■ www.klhengineers.com

Lane Enterprises LLC

Booth 73

A pipe manufacturer that specializes in corrugated plastic pipe, corrugated metal pipe, and stormwater products for the civil engineering industry. Our product line includes: HDPE, PP, CMP, structural plate, aluminum headwalls, water quality devices, gabions, and custom powder coatings.

Contact: Rane Buck ■ 717.480.8143
rbuck@lane-enterprises.com
www.lane-enterprises.com

Larson Design Group

Booth 62

An award-winning, employee-owned architecture, engineering, and consulting firm. Our full-service offerings and national reach enable us to serve clients across a diverse range of industries. We are dedicated to elevating our client relationships, developing the careers and lives of our employee owners, and enhancing the communities we serve.

Contact: Gregory Cummings ■ 570.323.6603
gcummings@larsondesigngroup.com
www.larsondesigngroup.com

LB Water

Booth 51

A value-added distributor of waterworks infrastructure products for potable, sewer, stormwater, and environmental projects.

Contact: Ben Reichley ■ 570.238.4669
ben.reichley@lbh2o.com ■ www.lbh2o.com

Exhibitor Guide

LSSE

Booth 2

Founded in 1985. Provides civil engineering and surveying services to public and private clients, including the municipal, commercial, and 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 branch offices in Greensburg, Albion, PA and Dublin, OH.

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

Marion Hill Associates Inc.

Booth 8

In business for 40 years specializing in commercial diving, marine construction, inspection services and marine equipment support. With an exceptional safety record and as a member of the Association of Diving Contractors International, MHA can service, inspect, and install all things marine related: intakes, potable water tanks, dams, etc.

Contact: Samuel Trapp ■ 412.287.0306
strapp@marionhilldivers.com
www.marionhilldivers.com

McCormick Taylor

Booth 39

Delivers exceptional service in engineering, water resources, environmental permitting and analysis, planning, communications, and community engagement to transportation agencies, water authorities, utility companies, counties, and municipalities. 400 employees in 17 offices around the country. Large-company resources with the care of a small-firm.

Contact: Lugene Keys ■ 717.461.7363
lkeys@mccormicktaylor.com
www.mccormicktaylor.com

McMillen Jacobs Associates

Booth 4

World-renowned engineers who provide practical, cost-effective, and innovative solutions for difficult underground projects. Provides a full range of design and construction management solutions with an emphasis on tunnels and shafts. Also offers the broader heavy civil construction industry a robust package of claims and dispute services.

Contact: April Brouwer ■ 412.754.4955
brouwer@mcmjac.com ■ www.mcmjac.com

Michael Baker International Inc.

Booth 33

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: Jonathan Shimko ■ 412.269.6300
jonathan.shimko@mbakerintl.com
www.mbakerial.com

Mott MacDonald

Booth 42

A 16,000-person global management and engineering firm. Delivers sustainable outcomes in transportation, buildings, power, oil and gas, water and wastewater, environment, health, international development, and digital infrastructure. Is a vibrant infrastructure development and engineering company in North America with 60 offices.

Contact: Stephen Polen ■ 412.497.2950
stephen.polen@mottmac.com ■ www.mottmac.com

ms consultants inc.

Booth 77

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: Don Killmeyer ■ 412.264.8701
dkillmeyer@msconsultants.com
www.msconsultants.com

MTech Company

Booth 63

Since 1975, MTech has been an integral part of the sewer, street, and safety industries. We have built our reputation on excellent service and outstanding products including sewer televising systems, sewer cleaners, RC slope mowers, valve exercising tools, and more. From sales to service and training to parts, we are constantly striving to be the complete solution for all of your sewer, street, and safety needs.

Contact: Evan Tierney ■ 440.646.0996
etierney@mtechcompany.com
www.mtechcompany.com

Exhibitor Guide

National Gunite

Booth 40

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 ■ 814.533.5780
shane@nationalgunite.com ■ www.nationalgunite.com

Nicholson Construction Company

Booth 3

Has been both a leader and an innovator in the geotechnical construction industry for more than 60 years. With regional offices across the country and headquarters in Pittsburgh, Nicholson is a nationally renowned specialty contractor offering proven expertise in the design and installation of deep foundation elements, earth retention systems, and ground treatment solutions.

Contact: Brian Barkauskas ■ 412.221.4500
brian.barkauskas@nicholsonconstruction.com
www.nicholsonconstruction.com

NSI Neal Systems Inc.

Booth 52

Fully integrated with strong instrumentation expertise. NSI has unparalleled process, electrical, instrumentation, controls, and automation capabilities. We have a strong history of supporting state, city, and local municipalities, large and small. We provide on-site training specific for the needs of our customers.

Contact: Peter Jackson ■ 215.968.7577
pjackson@nealsystems.com ■ www.nealsystems.com

Omega Liner Company Inc.

Booth 7

Manufacturers 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
mmcclymonds@omegaulinpipe.com
www.omegaulinpipe.com

Pennsylvania 811

Booth 65

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: Brandon Dujmic ■ 412.427.0112
bddujmic@pa1call.org ■ www.pa1call.org

Performance Pipelining Inc.

Booth 70

Is the oldest and one of the largest certified licensed installers of LMK products. We offer the highest quality of services and technologies in the trenchless underground construction industry. The Performance Lining process for renewing a multitude of pipes includes: drain pipes, storm and sewer pipes, condensation pipes, swimming pools, down spouts, duct work, ventilation, and virtually any size or shape of conduit. Our processes are 100% trenchless.

Contact: Garrett Washington ■ 814.803.8712
gwwashingtonppi@gmail.com ■ www.ppi-liner.com

Pittsburgh Water & Sewer Authority

Booth 58

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

Contact: Elaine Hinrichs ■ 412.738.1887
ehinrichs@pgh2o.com ■ www.pgh2o.com

Precision Laser & Instrument Inc.

Booth 25

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: Christine Iksic ■ 724.266.1600
pli@laserinst.com ■ www.laserinst.com

Exhibitor Guide

Rain for Rent

Booth 37

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 46

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: John DePasquale ■ 412.476.8980 ext. 292

jdepasquale@redzone.com ■ www.redzone.com

Robinson Pipe Cleaning

Booth 61

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

Rockacy and Associates Inc.

Booth 80

A manufacturer representative selling to the municipal market. Focus is to strategically position innovative manufacturers into our market to provide value to the needs of our clients. We work with manufacturers, engineers, and municipal personnel to provide the right products for the right application. Territory: Virginia, Maryland, District of Columbia, Delaware, Pennsylvania, New Jersey, and West Virginia. Offices in Charlottesville, VA, and Pittsburgh, PA.

Contact: Stephen Sharps ■ 412.721.2023

stephen.sharps@rockacy.com ■ www.rockacy.com

SAERTEX multiCom

Booth 57

Founded in 1996 under the SAERTEX group. As a world leader in the manufacturing of GRP (Glass Reinforced Plastic) liners, we have striven for excellence in innovation from the very beginning.

Contact: Troy Cubero ■ 414.499.6545

t.cubero@saertex.com ■ www.saertex-multicom.com

Sauereisen Inc.

Booth 30

A 122-year-old Pittsburgh-based company and a world-leading manufacturer of corrosion-resistant materials of construction. Manufactures sealants, corrosion barriers, and substrate repair materials for the protection and restoration of wastewater infrastructure. From collection systems to treatment facilities, Sauereisen offers materials to resist acidic environments and prevent water inflow & infiltration.

Contact: John Davis ■ 412.963.0303

info@sauereisen.com ■ www.sauereisen.com

Sci-Tek Consultants Inc.

Booth 36

Founded in 1996, Sci-Tek is a certified MBE providing sustainable solutions for clients in various industries through preliminary planning, design, and construction. Services: site civil design; design of green infrastructure; geotechnical engineering; GIS and asset management; surveying and mapping; and environmental testing and assessments.

Contact: Maria Atkinson ■ 412.371.4460 ext. 109

matkinson@scitekanswers.com

www.scitekanswers.com

SewerAI

Booth 82

Provides technology to make sewer condition assessment more efficient and accurate. Our technology includes Auto-Code, AI for completing NASSCO condition assessments, and Pioneer, our Cloud-based NASSCO platform.

Contact: Tim McGarry ■ 484.798.8315

tmcgarry@sewerai.com ■ www.sewerai.com

Exhibitor Guide

S.M. Sawchuk Sales Inc.

Booth 13

A leader in the water and wastewater industry for over 37 years. As a HACH representative, we specialize in data delivery services, all aspects of flow monitoring, including in-flow and infiltration, overflow and stream monitoring. Territories include Western Pennsylvania, Western Maryland, and West Virginia. We strive to provide our customers with the latest technology and equipment and customer service.

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

Southwestern Pennsylvania Engineering Outreach (SPEO)

Booth 45

SPEO is a non-profit organization whose members are dedicated to mentoring local minority- and women-owned business enterprise (MBE/WBE) firms in Southwestern Pennsylvania and providing them with networking and subconsulting opportunities.

Contact: David Borneman ■ 724.934.9509
david.borneman@arcadis.com ■ www.speo-pa.org

State Pipe Services

Booth 47

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 22

Products include: Module, Shield, Pack and URS. Offers an affordable and sustainable solution for storm water management. These products have been designed to address customers' unique project applications from large-scale detention and infiltration to rainwater harvesting and urban root systems.

Contact: Sam Williamson ■ 484.401.0401
sam.williamson@brentwoodindustries.com
www.stormtank.com

StormTrap

Booth 27

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

Trumbull MFG

Booth 41

Located in Youngstown, OH. We manufacture products for the water and wastewater industries. They include tools, composite manhole lids and frames, polymer meter lids, mud valves, valve acc, chainwheels, polywrap, and other products.

Contact: Brian Rogers ■ 724.699.8776
bprogers@trumbull.com ■ www.trumbull-mfg.com

Unilock

Booth 32

Offers an exclusive line-up of customizable pavers and retaining walls. A team of consultants can assist in the quest to find the right product for a commercial or residential project. Backed by more than 40 years of research and innovation. Brings artistic vision to life.

Contact: Phil Austin ■ 412.651.7684
phil.austin@unilock.com ■ commercial.unilock.com

U.S. Municipal

Booth H

A dealer for several environmental products like Vac-Con Combination Sewer Units, Ibak Pipeline Inspection Equipment, PipeHunter Jetters and Enz Nozzles. Nine salespeople cover all of Pennsylvania for these products and provide service after the sale.

Contact: Bob Griffiths ■ 412.335.9303
rsg@usmuni.com ■ www.usmuni.com

Exhibitor Guide

Vortex Companies

Booth 78

A leading provider of advanced trenchless water and sewer technologies and provides turnkey services to cost effectively renew municipal, industrial, and commercial infrastructure. Vortex, along with its partners, offers the most diverse technology platforms in the industry.

Contact: Derek Offutt ■ 724.923.8922
doffutt@vortexcompanies.com
www.vortexcompanies.com

Waterline Renewal Technologies

Booth 20

A leading provider of engineered technologies used in the trenchless rehabilitation of wastewater/stormwater infrastructure for municipal, commercial, industrial, and residential applications and provides a unique portfolio of products and services through its brands: AP/M Permaform, ConShield Technologies, LMK Technologies, Perma-Liner Industries, LightRay, and Pipe Lining Supply.

Contact: Henry Hulse ■ 570.780.5897
hvhulse77@gmail.com
www.waterliner renewal.com

Watertap Inc.

Booth 50

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: Eric Olsen ■ 248.794.7122
eric@watertapinc.com ■ www.watertapinc.com

Watertite Inc.

Booth 9

Offers Crystalline Permanent (self healing) waterproofing, chemical protection (ph12 – ph 1 constant contact, sanitary and DOT chloride applications), and repairs of concrete, which includes negative side waterproofing.

Contact: John Ladas ■ 717.579.7788
j.ladas@comcast.net ■ www.xypex.com

WC Weil/Pumpman

Booth C

A manufacturers' representative and repair/service provider for municipal, industrial, and commercial water and wastewater treatment equipment/systems. WC Weil/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: Greg Madia ■ 412.487.7140
gmadia@wcweil.com ■ www.wcweil.com

WinCan LLC

Booth 10

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
t.mallon@wincan.com ■ www.wincan.com

Xylem Dewatering Solutions

Booth 69

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

3 Rivers Wet Weather



Improving our region's water quality

www.3riverswetweather.org

