

#WEFStormwater | www.wef.org/stormwatersummit

2023

STORMWATER SUMMIT

CONFERENCE
JUNE 28 – 29

WORKSHOP
JUNE 27

EXHIBITION
JUNE 28 – 29

KANSAS CITY CONVENTION CENTER
KANSAS CITY, MO

This conference is hosted by the Water Environment Federation Stormwater Institute (SWI) in cooperation with the Kansas Water Environment Association and Missouri Water Environment Association.





WEF Stormwater Summit

June 27-29
Kansas City Convention Center

www.wef.org/StormwaterSummit
#WEFStormwater



This conference is hosted by the Water Environment Federation Stormwater Institute (SWI) in cooperation with the Kansas Water Environment Association and Missouri Water Environment Association.

To Our Friends and Colleagues:

Welcome to Kansas City, the City of Fountains and the BBQ Capital of the World! The Water Environment Federation Stormwater Institute (SWI) in cooperation with the Kansas Water Environment Association (KWEA) and Missouri Water Environment Association (MWEA) are excited to bring stormwater professionals and practitioners together for three days of learning, sharing and celebrating the value of our work. It's truly a pleasure to offer this event where you will hear unique perspectives on stormwater themes all while enjoying a great environment to network and discuss the latest hot topics with your peers.

As Chairs, we are confident of the value of this Summit, and we also hope you enjoy your time here. Please seek us out and share your experiences with us so we can reinvest that knowledge into continued success of this conference. Take a minute to complete a survey to provide us with your valuable input or share your thoughts with staff.

Summit Highlights

Pre-Conference Workshops: There are two special workshops being offered on Tuesday that will enhance your educational experience. The first, Using Envision to Improve Sustainability, is a full day workshop that offers professionals with an advanced understanding of Envision and the tools for assessing a clean water project through Envision. The second, Building Stormwater Programs of the Future: Use Cases and Lessons-Learned for Aligning Technology with the Needs of the Stormwater Industry, is a half day workshop that will help stormwater professionals build their skills around the application of new and existing technologies to align with the business needs of stormwater programs.

Opening General Session: The Opening General Session will include a welcome from WEF and KWEA and MWEA, a keynote address from Andrew Sawyers the Director of the Office of Wastewater Management at the U.S. Environmental Protection Agency and a special local presentation on environmental justice and building a green workforce in Kansas City by Kristin Riot, Executive Director of Bridging the Gap. Join your friends and colleagues and share the experience to kick-off the two-day conference of diverse technical sessions, technology spotlight, tours, and networking.

Technical Sessions, Technology Spotlight, and Exhibition: The technical program was developed to provide presentations that cover a wide range of topics, including outreach and community engagement, operation and management of green infrastructure, applying technology to stormwater management, asset management, environmental justice, funding, and climate and resiliency. There are also presentations on integrating urban trees and their associated soil volumes into green solutions and creating multi-benefit solutions in the densest urban areas. Please attend this session to start thinking about the connections between stormwater planning and implementation and their impact on local communities. In addition, there will be a technology spotlight allowing attendees to interact

directly with exhibitors to gain hands-on knowledge about existing products and services, along with highlighting emerging topics and technologies that are new to the marketplace.

Tours: We encourage you to take part in our local tours. You can add these tours on to your registration onsite as long as seats are available.

Stormwater Committee Meeting: Are you new to WEF? Interested in learning more about stormwater programming at WEF? Then plan on attending the WEF Stormwater Committee meeting during the lunch break Thursday, June 29th at 12:45 p.m.

Welcome Reception and Networking Event: In addition to the traditional networking breaks during the technical sessions, there are two great opportunities to get reacquainted with your stormwater colleagues. The first is a Welcome Reception hosted by KWEA and MWEA on Tuesday evening, June 27th from 6:00 to 9:00 at No Other Pub by Sporting KC. Registration for the Welcome Reception is separate and can be found at: <http://bit.ly/3MwCPe6>. The second networking event is Wednesday, June 28th following the Technical Sessions on the Exhibit Floor from 4:45 – 6:15 p.m.

We encourage you to make the most of our time together. Step away from your daily routine of meetings, emails, deliverables, approvals and submittals to take a well-deserved pause. Here, you have rich opportunities to interact, in person, with the best and brightest in our sector - in an open, engaging, and unique program. This is a great time for you to think beyond the day to day about how you can increase your impact back home!

On behalf of WEF, the summit steering committee, the dedicated staff, and all moderators and speakers, we invite you to make this summit experience your best yet!

Thank you for joining us!

Sincerely,



Stephanie Hanes
Conference Co-Chair



Andy Sauer
Conference Co-Chair

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Section headers are color coded by **General Conference Information** (aqua), **Program** (yellow), and **Exhibits & Sponsors** (red).

CONFERENCE COMMITTEE



Stephanie Hanses
Brown and Caldwell
Conference Co-Chair



Andy Sauer
Burns & McDonnell
Conference Co-Chair

CONFERENCE COMMITTEE

SPECIALTY CONFERENCE STEERING COMMITTEE

Abby Sandbothe
HDR

Andrew Smith
Black & Veatch

Andy Sauer
Burns & McDonnell

Bob Backman
AbTech
Industries/Stormwater
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Carol Hufnagel
Tetra Tech

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StormTrap

Heather Bourne
LimnoTech

Jeffrey Wright
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John Phillips
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Kalene Kobs
Stanley Consultants

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Nancy Ellwood
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Partnership

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HNTB Corporation

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Freese and Nichols,
Inc.

Stephanie Hanses
Brown and Caldwell

Steven Wolosoff
CDM Smith

Thomas Kimes
PEC

CONFERENCE COMMITTEE

SPECIALTY CONFERENCE ABSTRACT REVIEW COMMITTEE

Adam R Blumstein
Arcadis

Beth E Schrayshuen
EA Engineering
Science and
Technology

Christopher Tabor
Hazen

Dan Fajman
StormTrap

David Wood
Chesapeake
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Johnson County
Kansas

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Greeley and Hansen

Rebecca Katzke
WSP

Tim Dean
Kleinfelder

Virginia Roach
CDM Smith

Yudu(Sonia) Wu
WSP USA Inc

REGISTRATION

All events are held in the Kansas City Convention Center.

The Registration Desk in 2200 Lobby on Level 2 will be open at the following times:

Tuesday, June 27	7:30 a.m. – 5:00 p.m.
Wednesday, June 28	7:30 a.m. – 5:00 p.m.
Thursday, June 29	8:00 a.m. – 5:00 p.m.

PRESENTER AND MODERATOR INFORMATION

All presenters, alternates, and moderators should sign in at the conference Registration Desk and attend their assigned briefing.

Presenters and alternates participating Wednesday and Thursday should attend their assigned briefing. Please attend only once unless speaking on multiple days. The Speaker Briefing and room schedule is as follows:

Wednesday, June 28 — Room 2205 *Sessions 1 through 6	7:45 a.m. – 8:15 a.m.
Thursday, June 29 — Room 2205 *Sessions 7 through 14	7:45 a.m. – 8:15 a.m.

PENN VALLEY PARK CLEAN UP

Welcome to Kansas City! If you're traveling to the Stormwater Summit a little early, you are invited to join us Tuesday afternoon for a park clean-up at Penn Valley Park. This event provides you an opportunity to give back to Kansas City, network with fellow professionals, and kick-off a great week with service! Hope to see you there! Gloves, safety vests, and trash bags will be provided.

- When: Tuesday, June 27 from 2:00 p.m. to 4:00 p.m.
- Where: Penn Valley Park – Kansas City, Missouri
- Gloves and bags will be provided by City of Kansas City, MO
- Safety vests will be provided by Tetra Tech

Please RSVP to Alex.Beck@tetrattech.com

COMMUNITY MEETING

Stormwater Community Meeting

Thursday, June 29 | 12:45 p.m. – 1:15 p.m.

Room: 2204

RECEPTIONS AND MEAL FUNCTIONS

Staff have arranged to have a variety of food options to accommodate vegan and vegetarian preferences. Please advise staff if you have additional special dietary requirements.

Networking Luncheons

Lunch will be provided for all registered attendees on both full days of the Stormwater Summit. Use this opportunity to meet your fellow participants from across the country and abroad while enjoying a luncheon.

Wednesday, June 28 and Thursday, June 29

Exhibit Hall A

12:15 p.m. – 1:30 p.m.

Networking Reception

Join fellow Stormwater Summit and Collection System Conference attendees, speakers, and exhibitors in the Exhibit Hall to network and relax while enjoying a complimentary beverage and light hors d'oeuvres.

Wednesday, June 28

Exhibit Hall A

4:45 p.m. – 6:15 p.m.

Networking Breaks will take place in the Exhibit Hall at the following times:

Wednesday, June 28

10:00 a.m. – 10:45 a.m. and 3:00 p.m. – 3:45 p.m.

Thursday, June 29

10:00 a.m. – 10:45 a.m. and 3:00 p.m. – 3:45 p.m.

WI-FI

Complimentary standard Wi-Fi is provided in all event guestrooms and meeting spaces in the. Please use the following information to access Wi-Fi.

Network Name: **WEF23WIFI**

Password: **CSSW2023**

CONFERENCE SAFETY AND SECURITY

Loews Kansas City Hotel: 1515 Wyandotte St, Kansas City, MO, 64108

Phone: (816) 897-7070

- Notify 911 for major medical emergencies. Dial #7003 for First Aid, security needs/minor emergencies, and loss or found or dial #0 for an operator.
- The Hospital, Fire Department, and the Police Department are all within 1-5 miles from the hotel.
- The hotel has First Aid/CPR/AED certified team members on-duty at all times.
- Guest fire evacuation notice is displayed in all guest and meeting rooms.
- Help button call points are clearly identified throughout the hotel and report directly to the Security Office.

Kansas City Convention Center: 301 W 13th St #100, Kansas City, MO 64105

Phone: (816) 513-5000

- Notify 911 in the event of a major medical emergency, contact Security at 816-513-5111 or your Event Manger for needs/minor emergencies.
- The Hospital, Fire Department, and the Police Department are all within 1-7 miles from the convention center.
- First aid rooms are located as follows: Show Office inside the exhibit hall, Level 3 outside of Exhibit Hall D; Grand Ballroom C service corridor; and Municipal Auditorium west concourse. An EMT is on site during events to provide care for minor first aid emergencies.
- AEDs used to treat sudden cardiac arrest are located in the back service hallways of each lobby and in first aid rooms.
- If a fire is suspected: Contact Security at 816-513-5111. They will notify the Fire Department.

Black Emergency Phones are located on all levels of the facilities in multiple locations or call 911.

WEF SOCIAL MEDIA POLICY

WEF strongly encourages the use of social media to share your experiences at our event. This includes sharing interesting quotes or information, taking pictures with colleagues, and using the event hashtag: **#WEFStormwater**. However, to protect intellectual property, videotaping, filming, or live-streaming of any technical session is prohibited. Any participant violating this policy must relinquish the media and may be removed from the conference. Also, promotional or commercial use of photographs taken at WEFTEC and other WEF conferences is strictly prohibited. If you are interested in content, materials, or products, please consider talking to the speaker who may provide the information or grant permission.

CODE OF CONDUCT

WEF is committed to providing a professional, safe, and welcoming environment during its in-person and virtual events for all water professionals and their guests. WEF expects all attendees, exhibitors, speakers, sponsors, media, and other participants to uphold our commitment to diversity and inclusion by helping us provide a positive conference environment for everyone.

As a conference participant you agree to the following:

- To treat all individuals with respect and create a collegial, inclusive, and professional environment.
- To value a diversity of views and opinions by communicating openly with respect for others.
- Not to verbally abuse any individual or to discriminate, harass, or intimidate on the basis of gender, race, gender identity and expression, sexual orientation, physical or mental disability, physical appearance, age, religion, national origin, veteran status, citizenship, or professional rank.

Anyone requested to stop unacceptable behavior is expected to comply immediately. WEF management may take any action deemed necessary and appropriate, including removal from the event (and any remaining portions thereof) without warning and without refund of registration fee.

Additionally, if you are a WEF Member, you agree to uphold the WEF Member Code of Conduct while attending WEF Events.

Reporting Concerns

To report a Code of Conduct violation, you may email WEF Executive Director, at executivedirector@wef.org.

For the complete Code of Conduct, please visit <https://www.weftec.org/about/about-weftec/code-of-conduct/>.

WEF VISION & CORE VALUES



WEF's Vision

Life free of water challenges

WEF's Core Values

- Lead boldly with purpose and agility
- Focus on our customers through empathy and service
- Collaborate for collective impact
- Integrate diversity, equity, and inclusion in all we do

For more information about WEF's new strategic plan, mission, and vision, visit <https://www.wefwaterfuture.org/>.

CONTINUING EDUCATION

Continuing Education credit files will be made available online after the event.

Participating attendees will receive an email within 4 weeks after each event informing them when CE Credit documentation becomes available. Attendees will be able to view and download a certificate and transcript detailing their event participation using the link provided in the event follow up messaging. These details are also posted under the Events & Education tab of www.WEF.org.

How Do I Receive Credit For this Conference?

In order to receive credit for participation in any of the education sessions attendees will be required to scan their badge when entering and exiting each session room. Credits obtained during this event will be available at the end of the conference using the link provided in the post event email and WEF site listed above.

Pre-Conference Workshops:

WEF offers Continuing Education Units (CEUs) for participation in workshops. One CEU is the equivalent to 10 hours of training or formal instruction. These are distributed for structured, relevant professional training above and beyond that of initial certification or employment in a particular field.

Technical Sessions:

WEF offers Professional Development Hours (PDHs) for participation in technical sessions. A PDH is defined as one hour spent engaged in an activity that contributes to the advancement or enhancement of professional skills or scientific knowledge of a professional engineer or operator.

When Will I Receive Credits For this Conference?

Certificates and transcripts are available for download during and post conference. WEF will send an email after the conference to inform attendees where they can obtain their credits. Please keep in mind that most state licensing boards require the individual licensees to report continuing education credits.

Note: Educational Credits will not be recorded, and documentation will not be distributed unless the attendee is a confirmed registrant of this event and the proper steps are completed as indicated in the directions provided.

Are WEF Continuing Education Credits Approved in My State?

Most state engineering boards will accept WEF event credits as issued by WEF. WEF will be happy to work with individuals and Member Associations for additional state or agency approvals upon request. In addition, WEF has been approved as a Training Provider through the following: The Florida Board of Professional Engineers, the New York State Department of Education, and the Ohio EPA.

Please visit www.wef.org for specific state approval information for each event.

CONTINUING EDUCATION

What Else Do I Need to Know?

WEF follows the International Association of Continuing Education and Training (IACET) guidelines along with strict state-specific CE Credit regulations. We strive to maintain these policies and procedures regarding our Continuing Education Program to meet with and receive state recognition of our events. WEF calculates education credits following a standardized method that is the most widely accepted by certification and licensing agencies. However, many states differ in the type and/or number of credits they will approve for educational events. Because of this, participants are responsible for exploring their state requirements and for ensuring that WEF conference credits are accepted.

Service and Support...

WEF maintains a database of all continuing education files for a minimum of 7 years. You may contact WEF's Customer Service Team between the hours of 8:30 a.m. and 5:00 p.m. EST, Monday through Friday for questions related to WEF Programs - 1-800-666-0206 or csc@wef.org.

State Credit Calculations:

Each state has its own set of CE credit requirements. Some licensing boards use different acronyms for approved training credits. In most instances the credits issued by WEF can be converted to meet state specific requirements that vary from the system used by WEF. This is usually managed at the state level using the following conversion:

1.0 CEU = 10 Hours of session time

1.0 PDH = 1 Hour of session time

1.0 General Contact Hour = 1 Hour of session time

For example: **1.7 CEU Credits = 17.0 PDH** depending on individual state regulations.

**CEU & PDH credits are available for Workshops to Professional Engineers licensed in the state of New York (NYSED).*

Please note: courses that are not related to professional practice, such as accounting/financial planning, basic Auto CAD, general office management, insurance, marketing, real estate, risk management, DE&I, etc. are not approved for continuing education credits by some state licensing boards, including the NYSED.

For more information regarding WEF's Continuing Education Program, please visit the Events & Education tab at www.WEF.org.

MOBILE APP AND MY SHOW PLANNER

Mobile App and My Show Planner for #WEFStormwater and #WEFCollections



WEF is pleased to offer both a **Mobile App** and a mobile-friendly **My Show Planner**.

Set up your My Show Planner account to begin saving your favorite sessions, speakers, exhibitors, and sponsors to your plan and receiving recommendations.

Scan the QR code to download “**WEF**” app now from the Google Play OR App Store. All other web-enabled devices can access the Planner via the web: <https://cssw23.mobile.mapyourshow.com>.

We need your feedback! Please provide feedback on individual presentations, sessions, workshops, and more using the mobile app!

ONLINE PROCEEDINGS

Conference proceedings consisting of manuscripts from all of the technical presentations have been made available through an online portal. Advance registrants will receive an email with instructions on how to access the Stormwater Summit 2023 online proceedings before the start of the conference. Onsite registrants will receive an email with instructions to access proceedings following the event’s conclusion.

Not attending this year’s Conference? Copies of proceedings may be ordered on Access Water after the conference ends. You may call 1-800-666-0206 or visit www.AccessWater.org to place your order.

GET INVOLVED WITH WEF

The Water Environment Federation offers many ways to get engaged, build a network, and improve your skills as a water professional. See below for just a few examples.

Become a WEF Member

WEF is your access to water knowledge and invaluable networking opportunities with more than 30,000 professionals and thought leaders in water quality. For more information about membership categories, pricing, and member benefits, visit www.wef.org/membership/join-wef.

Join a WEF Community

More than 2,500 WEF members participate in WEF committee activities, developing conference programs, writing technical manuals and books, developing training materials and program content, and many other WEF program activities. Committees include Air Quality and Odor Control, Public Communications and Outreach, and more! To learn more about joining a committee, visit www.wef.org/committees. WEF membership is required to participate.

Submit to Water Environment Research

Published since 1928, Water Environment Research (WER) is an international multidisciplinary water resource management journal for the dissemination of fundamental and applied research in all scientific and technical areas related to water quality and resource recovery. In addition to original research articles, short communications, case studies, reviews, and perspectives are encouraged.

Continue your Education Online

In addition to in-person conferences, WEF also offers a variety of technical and leadership courses online. Through the WEF Learning Center, members and non-members can sign up to join webcasts, online courses, and virtual workshops. Visit <https://learn.wef.org> for more information. In addition, WEF also offers a blending learning program called the Water Leadership Institute which brings together water professionals from around the US, Canada, and world. Learn more at www.wef.org/wli.

Attend WEFTEC

WEFTEC is WEF's largest and most comprehensive conference, featuring dozens of technical sessions, a massive exhibit hall, and plenty of networking opportunities. WEFTEC 2023 will be held September 30 – October 4, 2023, in Chicago. More information can be found at www.weftec.org.

SPONSORS

We would like to thank the following sponsoring companies for their contributions to the conference and program.

ATKINS

Member of the SNC-Lavalin Group

www.snclavalin.com/en/markets-and-services/markets/water
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SESSIONS AT A GLANCE

Session Number	Session Title	Start Time	End Time	CE Credits
Tuesday, June 27				
Workshop A	Hope for the Future: Using Envision to Improve Sustainability	8:30 AM	5:00 PM	0.6 CEUs
Workshop B	Building Stormwater Programs of the Future: Use Cases and Lessons-Learned for Aligning Technology with the Needs of the Stormwater Industry	1:30 PM	5:00 PM	0.3 CEUs
Wednesday, June 28				
OGS	Opening General Session	8:30 AM	10:00 AM	1.5 GCH
Session 01	Outreach and Community Engagement	10:45 AM	12:15 PM	1.5 PDH
Session 02	It Won't Work if it's Broke (O&M)	10:45 AM	12:15 PM	1.5 PDH
Session 03	Applying Technology to Elevate Stormwater Management	10:45 AM	3:00 PM	3.0 PDH
Session 04	Stormwater Asset Management	1:30 PM	4:45 PM	2.5 PDH
Session 05	Strategies for Stormwater Sustainability and Resiliency	1:30 PM	4:45 PM	2.5 PDH
TSI	Technology Spotlight I	3:15 PM	3:45 PM	0.5 GCH
Session 06	Environmental Justice in Action	3:45 PM	4:45 PM	1.0 PDH
Thursday, June 29				
Session 07	Funding and Financing	8:30 AM	10:00 AM	1.5 PDH
Session 08	Modeling and Water Quality at the Watershed Scale	8:30 AM	12:15 PM	3.0 PDH
Session 09	Bioretention with Load Bearing Modules: Utilizing Municipal Soil Volume Regulations	8:30 AM	10:00 AM	1.5 PDH
Facility Tour	City of Lenexa Rain to Recreation Tour	8:30 AM	12:00 PM	3.5 GCH
Session 10	Regulations, Policy, and Guidance	10:45 AM	12:15 PM	1.5 PDH
Session 11	Creating a Place for Stormwater: A Multi-Benefit Approach to Stormwater Retrofits	10:45 AM	12:15 PM	1.5 PDH
TSII	Technology Spotlight II	1:00 PM	1:30 PM	0.5 GCH
Session 12	Moving Beyond Site Based Green Infrastructure	1:30 PM	4:45 PM	2.5 PDH
Session 13	Advancements in Modeling	1:30 PM	4:45 PM	2.5 PDH
Session 14	From Strategic Planning and Program Management to Implementation	1:30 PM	4:45 PM.	2.5 PDH

PRE-CONFERENCE WORKSHOPS

(Additional fees required)

Workshop A: Hope for the Future: Using Envision to Improve Sustainability

Tuesday, June 27, 2023

Room: 2203

8:30 a.m. – 5:00 p.m.

0.6 CEUs

- 8:30 a.m. Welcome and Introductions**
John Phillips, Parametrix
- 8:45 a.m. Introduction to Sustainability in Kansas City**
Lara Isch, City of Overland Park, KS
- 9:15 a.m. Envision 101 & 201**
JC Alonzo, Black & Veatch
- 9:45 a.m. Case Study – Envision Project Overview**
Jeff Martin, KC Water
- 10:15 a.m. Conducting an Eco-Charette**
John Phillips, Parametrix
- 10:30 a.m. Networking and Coffee Break**
- 11:00 a.m. Interactive Session: Eco-Charette tabletop exercise**
Jeff Martin, KC Water; Jesse Williams, Jacobs; JC Alonzo, Black & Veatch; John Phillips, Parametrix; Lara Isch, City of Overland Park, KS
- 11:30 a.m. Interactive Session: Envision Self-Assessment**
Jeff Martin, KC Water; Jesse Williams, Jacobs; JC Alonzo, Black & Veatch; John Phillips, Parametrix; Lara Isch, City of Overland Park, KS
- 12:00 p.m. Break for Lunch**
- 1:30 p.m. Review & Feedback**
John Phillips, Parametrix
- 2:00 p.m. Use of Envision in Evaluating Project Alternatives**
Jesse Williams, Jacobs; JC Alonzo, Black & Veatch

Workshop A agenda continues on next page

PRE-CONFERENCE WORKSHOPS

(Additional fees required)

Workshop A: Hope for the Future: Using Envision to Improve Sustainability

Tuesday, June 27, 2023

8:30 a.m. – 5:00 p.m.

Room: 2203

0.6 CEUs

Workshop A agenda continued from previous page

- 2:15 p.m. Interactive Session: Make a decision already! – Project Alternative Evaluation Matrix**
John Phillips, Parametrix; Jesse Williams, Jacobs; Jeff Martin, KC Water
- 3:15 p.m. Networking and Coffee Break**
- 3:30 p.m. Review & Feedback**
- 3:45 p.m. Sustainability as a Community Goal**
Lara Isch, City of Overland Park, KS
- 4:15 p.m. Interactive Session Envision Game Show**
- 4:45 p.m. Panel – Ask the Speakers & Wrap Up**
- 5:00 p.m. Workshop adjourns**

PRE-CONFERENCE WORKSHOPS

(Additional fees required)

Workshop B: Building Stormwater Programs of the Future: Use Cases and Lessons-Learned for Aligning Technology with the Needs of the Stormwater Industry

Tuesday, June 27, 2023

Room: 2204

1:30 p.m. – 5:00 p.m.

0.3 CEUs

- 1:30 p.m. Introduction of participants**
- 1:40 p.m. Overview of challenges facing the stormwater industry and how technology can help**
Seth Johnstone, 1898 & Co.
- 2:00 p.m. Strategic planning for stormwater programs**
Sarah Smith, Johnson County, KS; Andrew Smith, Black & Veatch
- 2:30 p.m. Stormwater inventory best practices**
Darren Haag, City of Lawrence, KS; Jared Carey, TREKK Design Group
- 3:00 p.m. Networking and Coffee break**
- 3:30 p.m. Integrating relevant data for rainfall and climate to support more effective stormwater modeling**
Jeff Doudrick, Burns & McDonnell
- 3:50 p.m. Optimizing stormwater detention with real-time controls**
Andy Sauer, Burns & McDonnell
- 4:05 p.m. Panel discussion and audience Q&A with presenters**
- 4:50 p.m. Session wrap-up and call to action**
- 5:00 p.m. Workshop adjourns**

TECHNICAL PROGRAM

Opening General Session

Wednesday, June 28, 2023

8:30 a.m. -10:00 a.m.

Room: 2215 A

1.5 GCHs

- 8:30 a.m. **WEF Welcome**
Corey Williams, WEF Board of Trustees, SmartCover
- 8:40 a.m. **Welcome to the 2023 Summit!**
Stephanie Hanes, Brown and Caldwell, 2023 Co-Chair
Andy Sauer, Burns & McDonnell, 2023 Co-Chair
- 8:50 a.m. **Kansas and Missouri Water Environment Associations
Welcome**
Dustin Coles, KWEA and Lauren Moore, MWEA
- 9:00 a.m. **Next Gen Stormwater Considerations**
Andrew Sawyers, U.S. Environmental Protection Agency
- 9:30 a.m. **Let Justice Roll Down Like Water: Where Stormwater and
Environmental Justice Meet**
Kristin Riott, Bridging the Gap
- 10:00 a.m. **Session adjourns for networking break**

TECHNICAL PROGRAM

Session 01: Outreach and Community Engagement

Wednesday, June 28, 2023

10:45 a.m. - 12:15 p.m.

Room: 2201

1.5 PDHs

Moderators: Rachel Jones, Gwinnett County; Jesse Williams, Jacobs

10:45 a.m. Contain the Rain - How Johnson County, KS is Improving Water Quality Through Public Engagement and Rebates
Ian Fannin-Hughes, Johnson County, Stormwater Management Program; Cloey Adrian, City of Overland Park, KS

11:15 a.m. Increasing Community Benefits and Grant Funding Opportunities through Multi-Benefit Projects
Nathan Schreiner, Alex Yescas, HDR

11:45 a.m. MS4s and Missouri Stream Team Program Partnerships
Sarah Wright, Missouri Department of Natural Resources;
Brian Waldrop, Missouri Department of Conservation

12:15 p.m. Session adjourns for networking luncheon in exhibit hall

TECHNICAL PROGRAM

Session 02: It Won't Work if it's Broke (O&M)

Wednesday, June 28, 2023

10:45 a.m. - 12:15 p.m.

Room: 2202

1.5 PDHs

Moderators: Dustin Atchison, Jacobs; Heather Harris, Carollo Engineers

10:45 a.m. Building Green Infrastructure — Why it Matters that Contractors Know How to Construct Green Infrastructure
Madison Gibler, Burns & McDonnell

11:15 a.m. How to Avoid Green Elephants: Green Infrastructure Asset Management for Good Governance and Resilience
Jennifer Court, GHD

11:45 a.m. Green Infrastructure Maintenance: Applying the New Urban Stormwater Controls Operations & Maintenance Manual
Andrew Sauer, Burns & McDonnell; Fernando Pasquel, Arcadis; Brenda Macke, Burns & McDonnell; Mark Van Auken, Arcadis

12:15 p.m. Session adjourns for networking luncheon in exhibit hall

Alternate Developing Comprehensive, Cooperative Solutions for Improved Stormwater BMP Operations and Maintenance
Anna Eleria, Mark Doneux, Forrest Kelley, Capital Region Watershed District

TECHNICAL PROGRAM

Session 03: Applying Technology to Elevate Stormwater Management
Wednesday, June 28, 2023 **Room: 2203**
10:45 a.m. - 3:00 p.m. **3.0 PDHs**

Moderator: Jeffrey Wright, Atkins Global

- 10:45 a.m. Leveraging HEC-RAS Models for the Real Time Hydraulic Modeling and Flood Forecasting for the Johnson County Stormwater Management Program, Kansas**
Elango Thevar, NEER; Sarah Smith, Johnson County, KS
- 11:15 a.m. Mitigating High-Flows and Improving Water Quality in a Stormwater Impaired Brook**
Dayton Marchese, OptiRTC; James Sherrard, City of Burlington, Vermont
- 11:45 a.m. An Automated Open-Channel Encroachment Identification Model Based on Machine Learning in Los Angeles County**
Jinshu Li, Darin Son, Martha Farella, Jonathan Abelson, Stantec; Danna Shelleh, Yao Kouwonou, Los Angeles County Public Works
- 12:15 p.m. Break for networking luncheon in exhibit hall**
- 1:30 p.m. Community Flood Response & Watershed Resilience Through Sensors and Data**
Brandon Wong, Branko Kerkez, Hyfi
- 2:00 p.m. Application of Machine Learning in Stormwater Risk Management for the Johnson County Stormwater Management Program, Kansas**
Elango Thevar, NEER; Sarah Smith, Johnson County, KS
- 2:30 p.m. Green Infrastructure Program in New York City**
Dmitrijs Obolevics, Arup
- 3:00 p.m. Session adjourns for networking break in exhibit hall**

TECHNICAL PROGRAM

Session 04: Stormwater Asset Management

Wednesday, June 28, 2023

1:30 p.m. - 4:45 p.m.

Room: 2201

2.5 PDHs

Moderators: Robert Backman, Stormwater Investment Group

1:30 p.m. Comprehensive Asset Management Program Development for Flood Risk Infrastructure in Harris County, Texas

Chad Richards, Brett Sachtleben, Atkins North America

2:00 p.m. GIS-Based Data Management and Visualization for Stormwater Asset Management and Planning

Sarah Fuller, Wade Trim; Leila Jackson, Mike Blair, Northeast Ohio Regional Sewer District

2:30 p.m. E. coli Reduction in Storm Sewers — Investigation, Rehabilitation & Monitoring Results

Carla Coveart, GM BluePlan Engineering

3:00 p.m. Networking break in exhibit hall

3:45 p.m. Managing Storm Sewer Assets in Arlington Heights, IL

Karol Giokas, RJN Group; Jim Zaharopoulos, Village of Arlington Heights

4:15 p.m. Finding Balance in Stormwater Management

Aaron Jones, TREKK Design Group

4:45 p.m. Session adjourns for networking reception in exhibit hall

Alternate Application of a Risk-Based Asset Management Framework for the Des Moines Stormwater Master Plan

John Aldrich, Travis Gardner, Dana Giesy, Chad Johnson, Jessica Stanton, Erica Wellen, Allison Wagner, CDM Smith

TECHNICAL PROGRAM

Session 05: Strategies for Stormwater Sustainability and Resiliency
Wednesday, June 28, 2023 **Room: 2202**
1:30 p.m. - 4:45 p.m. **2.5 PDHs**

Moderators: John Phillips, Parametrix, Greg Williams, Stormtrap

1:30 p.m. West Riverside Energy Center: How Nature Based Stormwater Solutions Led to Envision Platinum Verification

Michael Ryan, HDR

2:00 p.m. Analyzing Flood Risk – Mapping a Framework to a Safer, Equitable, and Resilient County

Catie Torgersen, Saurabh Rajee, Brett Martin, Fairfax County Department of Public Works and Environmental Services

2:30 p.m. Strategies and Conceptual Designs for Climate Adaptation and Coastal Stormwater Discharge in Boston

Benjamin Agrawal, Hazen and Sawyer; Charlie Jewell, Boston Water and Sewer Commission; Charles Wilson, Hazen and Sawyer; John Sullivan, Boston Water & Sewer Commission

3:00 p.m. Networking break in exhibit hall

3:45 p.m. Intermodal Rail Logistics Park Prioritizes Stormwater and Sustainability with Ecological Conservation Corridor in Kansas City

Garland Pennison, HDR

4:15 p.m. Stormwater Capture to Enhance Water Resiliency and Sustainability in Southern California

Masih Bari, Cristian Hernandez, Atkins

4:45 p.m. Session adjourns for networking reception in exhibit hall

Alternate Regional, Nature-based Solutions to Stormwater Management

Shayne Paynter, Atkins

TECHNOLOGY SPOTLIGHT I

Technology Spotlight I
Wednesday, June 28
3:15 p.m. - 3:45 p.m.

*The two exhibitors listed below will each be holding a 20-minute presentation once each. Participants are invited to join a different presentation at each of the times listed below. Choose the presentation you would like to attend. Each presentation happens at the exhibitor's booth. Presentations kickoff concurrently at: **3:15 PM** in each of the two booths.*

3:15 PM 2 Simultaneous Presentation A

Booth 113 **Advancements in Panoramic Inspection Cameras: Safer, Faster, Better Data Acquisition**
Jared Carey, TREKK Design Group, LLC

Booth 106 **Storm Stories with Smart BMPs**
Viktor Hlas, OptiRTC

TECHNICAL PROGRAM

Session 06: Environmental Justice in Action

Wednesday, June 28, 2023

3:45 p.m. - 4:45 p.m.

Room: 2203

1.0 PDH

Moderators: Heather Bourne, LimnoTech; Tom Kimes, PEC

**3:45 p.m. Equity Considerations for Stormwater Management:
Existing State, Local and Federal Efforts to Address Needs
of Historically Underserved Communities**

Ummekulsoom Lalani, Grace Morris, Phetmano Phannavong,
Atkins North America

**4:15 p.m. Creating a Stormwater Park over an Interstate: Restoring
Community Connections with a Highway Cap and Green
Infrastructure**

Thomas Batroney, HDR

4:45 p.m. Session adjourns for networking reception in exhibit hall

TECHNICAL PROGRAM

Session 07: Funding and Financing

Thursday, June 29, 2023

8:30 a.m. - 10:00 a.m.

Room: 2201

1.5 PDHs

Moderators: Madison Gibler, Burns & McDonnell, Carol Hufnagel, Tetra Tech

8:30 a.m. Shifting Paradigms: Solutions for Watershed Infrastructure Financing

Lisa Bechini, Tahne Corcutt, Northbridge Environmental Management Consultants

9:00 a.m. Funding Resiliency Through Unique Stormwater Fees

Andrew Burnham, Kelly Westover, Stantec

9:30 a.m. Full-delivery Stormwater Management P3s with DOTs

Micah Shapiro, Resource Environmental Solutions

10:00 a.m. Session adjourns for networking break in exhibit hall

TECHNICAL PROGRAM

Session 08: Modeling and Water Quality at the Watershed Scale
Thursday, June 29, 2023 **Room: 2202**
8:30 a.m. - 12:15 p.m. **3.0 PDHs**

Moderators: Robert Traver, Villanova University; Tom Kimes, PEC

8:30 a.m. Going Beyond the Modeling to Create Resilient, Sustainable, and Value-Driven Stormwater Solutions
Jeff Doudrick, Mitchell Goedeken, Burns & McDonnell

9:00 a.m. Base Level Engineering — A foundational tool for stormwater management
Seth Ahrens, Atkins North America

9:30 a.m. Integrating 1D and 2D Riverine and Collection System Models
Mary Whitehead, Mark Van Auken, Arcadis

10:00 a.m. Networking break in exhibit hall

10:45 a.m. Tijuana River: Collaboration and Complex Technical Assessments to Improve Water Quality in one of California's Most Polluted Rivers
Nathan Schreiner, Alex Yescas, HDR

11:15 a.m. Achieving Bacteria Compliance in the Upper Los Angeles River Watershed Through a Human Health Risk-Based Approach
Brianna Datti, Craftwater Engineering Inc.; Dawn Petschauer, City of Pasadena

11:45 a.m. The Impact of Microplastics and Emerging Micropollutants in Highway Runoff: The Italian Job
Stefano Biondi, SWI Group; Fabiana Corami, CNR-ISP Mestre; Federica Capuzzo, Concessioni Autostradali Venete Spa; Martina Favarin, SWI Group; Matteo Feltracco, Beatrice Rosso, Ca' Foscari University of Venice; Francesca Sambo, SWI Group

12:15 p.m. Session adjourns for networking luncheon in exhibit hall

Alternate A Collaborative Vision: Regional Stormwater Management at 325 Blake Road
Michael Ryan, HDR

TECHNICAL PROGRAM

**Session 09: Bioretention with Load Bearing Modules: Utilizing
Municipal Soil Volume Regulations**

**Thursday, June 29, 2023
8:30 a.m. – 10:00 a.m.**

**Room: 2203
1.5 PDHs**

Coordinator: Albert Key, DeepRoot Green Infrastructure, LLC

This session will provide an overview of integrating large urban trees and their associated soil volumes into ESD solutions, particularly in the densest urban areas. Many cities already have tree and soil volume requirement ordinances; however, the green infrastructure component - large trees and their required soil volumes - presents an underrealized opportunity for stormwater management. The presentation, utilizing pertinent case studies, will examine ultra-urban storm water management suspended pavement technologies at various scales.

FACILITY TOUR

Stormwater Tour A: City of Lenexa Rain to Recreation Tour

Thursday, June 29, 2023

8:30 a.m. – 12:00 p.m.

Capacity: 55

The City of Lenexa, Kansas with its stormwater management program, Rain to Recreation, has a long history of thoughtful stormwater management using subshed studies and appropriately placed regional stormwater facilities that accomplish the program goals of:

- Reducing flooding
- Protecting Water Quality
- Providing recreational opportunities
- Preserve open space and natural resources

This tour will provide an overview of three of these regional facilities and site visits to two of them. Each one has a unique purpose based on the subshed it is in, from Urban Stormwater Management to flood control to a fee-in-lieu water quality wetland.

After arriving at Lenexa City hall, participants will view a presentation of Lenexa's various regional stormwater facilities. Participants will then follow an interpretive sign course, called the Raindrop Walk, along a streamway through a dense, urban development called Lenexa City Center. After a brief drive, participants will view a unique spillway at Lake Lenexa. Lake Lenexa is in a rapidly developing watershed and provides downstream flood protection while educating residents about the water cycle.

Both sites on this tour will require some walking, including a walk of approximately one mile on concrete trails at City Center and a short walk on a gravel surface to view Lake Lenexa.

TECHNICAL PROGRAM

Session 10: Regulations, Policy, and Guidance

Thursday, June 29, 2023

10:45 a.m. - 12:15 p.m.

Room: 2201

1.5 PDHs

Moderators: Ryan Brown, Autodesk

10:45 a.m. WEF MS4 Survey: Interesting Findings from 3 Years of Data

Scott Taylor, Michael Baker International; Bianca Pinto, Lisa Deason, Water Environment Federation; Seth Brown, Storm and Stream

11:15 a.m. Modernizing Stormwater Design Criteria for Today's Multi-Benefit Solutions

Andrew Sauer, Lauren Moore, Burns & McDonnell

11:45 a.m. Introducing a New ASTM Standard Method for Measuring Trash Capture

Gregory Williams, StormTrap

12:15 p.m. Session adjourns for networking luncheon in exhibit hall

Alternate Stormwater and Nature-Based Solutions, Using all of the Tools in the Toolbox

Patrick Bradley, Resource Environmental Solutions

TECHNICAL PROGRAM

**Session 11: Creating a Place for Stormwater: A Multi-Benefit Approach
to Stormwater Retrofits**

Thursday, June 29, 2023

10:45 a.m. - 12:15 p.m.

Room: 2203

1.5 PDHs

Coordinator: Paul Fendt, Parametrix

Speakers: John Phillips, Julie Brandt, Parametrix

Stormwater contamination is one of the most significant on-going threats to the health of water resources across the county. While permits, programs, and practices to address stormwater quality have been in place since the late 1980s, ongoing impacts are occurring, often due to the legacy development and systems that were in place before our current programs. Great strides have been made toward addressing new development and sources, but less focus has been on addressing legacy development, unless motivated by other water quality programs, such as combined sewer overflow reduction programs.

Several municipalities in the Pacific northwest have taken on stormwater retrofit planning and projects on their own and implemented a variety of stormwater retrofitting projects. In some instances, local stormwater practitioners are prioritizing new "regional" facilities for large scale basin retrofitting in place-making projects referred to as "Stormwater Parks."

Attendees to this session will learn how to identify the gaps for legacy stormwater treatment, prioritize for the greatest need and opportunity; utilizing treatment coverage, operations and maintenance requirements, and locate funding and financing.

TECHNOLOGY SPOTLIGHT II

Technology Spotlight II
Thursday, June 29
1:00 p.m. - 1:30 p.m.

*The exhibitor listed below will each be holding a 20-minute presentation once each. Participants are invited to join the presentation at the time listed below. The presentation happens at the exhibitor's booth. Presentations kickoff at: **1:05 PM**.*

1:05 PM 1 Presentation A

**Booth 114 Monitoring and Maintenance of a Sustainable Permeable
Stormwater Solution**
Doug Buch, PaveDrain, LLC

TECHNICAL PROGRAM

Session 12: Moving Beyond Site Based Green Infrastructure

Thursday, June 29, 2023

Room: 2201

1:30 p.m. - 4:45 p.m.

2.5 PDHs

Moderators: Stephanie Hanses, Brown and Caldwell; Abby Sandbothe, HDR

1:30 p.m. Natural Drainage System Partnering in Seattle: A Portfolio of Innovations to Address Challenges and Opportunities in Retrofitting Informal Right-of-way

Dustin Atchison, Juan Romero, Jacobs; Shanti Colwell, Arnel Valmonte, Katie Wilson, Greg Stevens, Mary Weber, Seattle Public Utilities

2:00 p.m. Market District Green Infrastructure: Designing and Constructing one of the Largest Green Infrastructure Projects in the Midwest. Made Possible Through Public-Private Partnership

Craig Clarkson, ISG

2:30 p.m. Wilmette Neighborhood Storage Project - An Urban Flooding Relief Project is the Largest Capital Project in the Village's History

Darren Olson, Christopher B. Burke Engineering, Ltd

3:00 p.m. Networking break in exhibit hall

3:45 p.m. Creating Higher Value Infrastructure — Integrating Green Infrastructure into Linear Corridors

Brenda Macke, Lauren Moore, Burns & McDonnell

4:15 p.m. Naturalization of Fassnacht Creek, An Urban Stormwater Success Story

Eric Dove, HDR; Kirkland Preston, City of Springfield

4:45 p.m. Conference adjourns

Alternate Improving Water Resources and Creating Livable Communities with Sustainable Urban Drainage Systems (SUDS)

Jesse Williams, Dustin Atchison, Jacobs

TECHNICAL PROGRAM

Session 13: Advancements in Modeling

Thursday, June 29, 2023

1:30 p.m. - 4:45 p.m.

Room: 2202

2.5 PDHs

Moderators: Sabu Paul, Freese & Nichols, Inc.; Kalene Kobs, Stanley Group

1:30 p.m. Meeting Stormwater Regulatory Requirements Using Continuous Simulation Models

Joseph Erskine, Amanda Hess, Robert Traver, Villanova University

2:00 p.m. Am I Missing Something in My Drainage Design?

Ryan Brown, Autodesk

2:30 p.m. Connecting a Community Through Innovative Modeling of the Withlacoochee River

Joe Walter, Atkins

3:00 p.m. Networking break in exhibit hall

3:45 p.m. Bringing Fairfax County, VA Flood Maps To The 21st Century

Rebecca Purvis, Kenneth Hunu, Jeff Wright, Atkins

4:15 p.m. Creating Affordable Multi-Benefit Flood Solutions within a CSO Basin Requires Bigger Thinking

Andrew Sauer, Lauren Moore, Burns & McDonnell

4:45 p.m. Conference adjourns

Alternate 2-D Watershed Modeling in Johnson County, KS: Flood Risk Identification and Beyond

Thomas Morey, Stantec; Sarah Smith, Johnson County, KS

TECHNICAL PROGRAM

Session 14: From Strategic Planning and Program Management to Implementation

Thursday, June 29, 2023

1:30 p.m. - 4:45 p.m.

Room: 2203

2.5 PDHs

Moderators: Chad Johnson, CDM Smith

1:30 p.m. Eyes on the Prize: Strategic Planning for Stormwater Success

Bethany Bezak; Brianna Datti, Craftwater Engineering Inc.

2:00 p.m. Planning for Holistic, Watershed-Based Stormwater Management in Johnson County, Kansas

Heather Schmidt, Johnson County, KS

2:30 p.m. Balancing Roadways with Vegetated Systems: Seeking Resilient Stormwater Management in a Linear Environment to Meet MS4 Requirements

Brenda Macke, Kylie Clark, Burns & McDonnell; Dale Kirmer, Kansas Department of Transportation

3:00 p.m. Networking break in exhibit hall

3:45 p.m. Creating an Equitable Stormwater Utility in the City of Chester, PA

Lauren Van Meter, Suhas Nagavalli, HDR; Horace Strand, Stormwater Authority of the City of Chester

4:15 p.m. A Tale of Two Communities and Their Approaches to Master Planning Their Futures

Richard Greuel, Arcadis

4:45 p.m. Conference adjourns

EXHIBITION INFORMATION

Exhibition Schedule

Wednesday, June 28

10:00 a.m. – 6:15 p.m. **Exhibit Hall Open**
10:00 a.m. – 10:45 a.m. Networking Break
10:30 a.m. – 11:50 a.m. Technology Spotlight I: Collections
11:45 p.m. – 1:30 p.m. Networking Luncheon
3:00 p.m. – 3:45 p.m. Networking Break
3:15 p.m. – 3:45 p.m. Technology Spotlight I: Stormwater
4:45 p.m. – 6:15 p.m. Networking Reception

Thursday, June 29

10:00 a.m. – 3:45 p.m. **Exhibit Hall Open**
10:00 a.m. – 10:45 a.m. Networking Break
10:15 a.m. – 10:45 a.m. Technology Spotlight II: Collections
11:45 p.m. – 1:30 p.m. Networking Luncheon
1:00 p.m. – 1:30 p.m. Technology Spotlight II: Stormwater
3:00 p.m. – 3:45 p.m. Networking Break
3:15 p.m. – 3:45 p.m. Technology Spotlight II: Collections

Children under 18 entering the Exhibition must be accompanied by a parent or guardian at all times. The parent or guardian must obtain a child badge at registration, and assumes all risk and responsibility for the child's safety.

Due to the proprietary nature of the displays, photography of displays and materials is forbidden without exhibitors' express permission.

Exhibitor Directory Continues on Next Page

STORMWATER EXHIBITOR DIRECTORY

As of June 7, 2023

For Company Descriptions, view Exhibitors in the mobile app.

Advanced Drainage Systems Booth 112

www.adspipe.com/
Phone: 480-686-3865
4640 Trueman Blvd
Hilliard, OH 43026

Aqua-Aerobic Systems, Inc Booth 110

www.aqua-aerobic.com
Phone: 815-654-2501
PO Box 2026
Loves Park, IL 61130

AquaShield, Inc Booth 107

www.aquashieldinc.com
Phone: 423-870-8888
2733 Kanasita Dr, Ste 111
Chattanooga, TN 37343

Axiom Instrumentation Services Booth 109

www.axiominst.com
Phone: 913-543-1690
5400 Johnson Dr, Ste 161
Mission, KS 66205

BioMicrobics, Inc Booth 115

www.biomicrobics.com
Phone: 913-422-0707
16002 W 110th St
Lenexa, KS 66219

In-Situ, Inc Booth 108

<https://in-situ.com>
Phone: 970-498-1500
221 East Lincoln Ave
Fort Collins, CO 80524

Exhibitor Directory Continues on Next Page

STORMWATER EXHIBITOR DIRECTORY

For Company Descriptions, view Exhibitors in the mobile app.

OptiRTC..... Booth 106

<https://optirtc.com>

Phone: 617-366-7585

98N Washington St, Ste 210

Boston, MA 02114

PaveDrain, LLC..... Booth 114

www.pavedrain.com

Phone: 888-579-5339

103 Main St

Keystone, IA 52249

TREKK Design Group, LLC Booth 113

www.trekllc.com

Phone: 816-877-8687

1411-E 104th St

Kansas City, MO 64131

Exhibitor Directory Continues on Next Page

COLLECTION SYSTEMS EXHIBITOR DIRECTORY

As of June 7, 2023

For Company Descriptions, view Exhibitors in the mobile app.

ace pipe cleaning Booth 415

<https://acepipe.com>

Phone: 816-807-7939

6601-Universal Ave

Kansas City, MO 64015

ADS Environmental Services Booth 320

www.adsenv.com

Phone: 256-430-3366

340 The Bridge St, Ste 204

Huntsville, AL 35806

APX10, Inc...... Booth 521

<https://apx10.com>

Phone: 224-461-3139

247 Freshwater Way

Milwaukee, WI 53204

Autodesk, Inc..... Booth 208

www.autodesk.com/industry/water

Phone: 415-507-5000

The Landmark @ One Market, Ste 400

San Francisco, CA 94105

Core & Main Booth 120

www.coreandmain.com

Phone: 256-642-6368

1404 Stratford Rd SE

Decatur, AL 35601

Cretex Specialty Products..... Booth 121

www.cretexseals.com

Phone: 262-542-8153

N25 W23790 Commerce Cir, Ste E

Waukesha, WI 53188

Exhibitor Directory Continues on Next Page

COLLECTION SYSTEMS EXHIBITOR DIRECTORY

For Company Descriptions, view Exhibitors in the mobile app.

Doetsch ENVIRONMENTAL SERVICES

Doetsch Environmental Services..... Booth 220

<https://doetschenv.com>

Phone: 810-499-9233

21221-Mullin Ave

Warren, MI 48089

Duke's Root Control, Inc..... Booth 412

www.dukes.com

Phone: 800-447-6687

400 Airport Rd, Ste E

Elgin, IL 60123

Environment One Corporation Booth 506

www.eone.com

Phone: 518-466-0617

2773 Balltown Rd

Niskayuna, NY 12309

Environmental Works, Inc Booth 213

www.environmentalworks.com

Phone: 417-890-9500

1455 E Chestnut Expy

Springfield, MO 65802

Envirosuite..... Booth 315

<https://envirosuite.com>

Phone: 866-583-0280

2330 East Bidwell St, Ste 210

Folsom, CA 95630

Faure Herman Meter, Inc..... Booth 519

www.faureherman.com

Phone: 713-623-0808

8280 Willow Place Dr N, Ste 150

Houston, TX 77070

Exhibitor Directory Continues on Next Page

COLLECTION SYSTEMS EXHIBITOR DIRECTORY

For Company Descriptions, view Exhibitors in the mobile app.

Ferguson Waterworks..... Booth 222

www.ferguson.com
Phone: 207-272-4431
12500 Jefferson Ave
Newport News, VA 23602

GBA Booth 408

https://gbateam.com
Phone: 913-492-0400
9801-Renner Blvd, Ste 300
Lenexa, KS 66219

GeoTree Solutions Booth 323

www.GeoTreeSolutions.com
Phone: 317-840-9671
1733 Majestic Dr, 101
Lafayette, CO 80026

Grande Water Management Systems Booth 214

www.grandeinc.com
Phone: 514-712-0011
3950 Montée Masson
Laval, QC H7B1C4
Canada

GWF USA, Inc Booth 511

www.gwf-group.com
Phone: 352-286-1564
PO Box 772817
Ocala, FL 34477

Hach Flow/McCrometer..... Booth 322

www.mccrometer.com
Phone: 951-652-6811
3255 W Stetson Ave
Hemet, CA 92545

Exhibitor Directory Continues on Next Page

COLLECTION SYSTEMS EXHIBITOR DIRECTORY

For Company Descriptions, view Exhibitors in the mobile app.

Helix Labs Booth 406

www.helixlabs.com
Phone: 817-876-1714
5050 Quorum Dr
Dallas, TX 75254

InfoSense, Inc Booth 420

<https://infosense.com>
Phone: 704-644-1164
8116 South Tryon St, Ste B3-203
Charlotte, NC 28273

INGU Solutions, Inc Booth 309

<https://INGU.com>
Phone: 844-446-4648
209 8 Ave SW, #400
Calgary, AB T2P1B8
Canada

InScope Booth 118

<https://getinscope.com>
Phone: 314-368-3335
16253 Swingley Ridge Rd, Ste 100
Chesterfield, MO 63017

ITpipes Booth 522

www.itpipes.com
Phone: 877-itpipes
10412 Menaul Blvd
Albuquerque, NM 87112

Ladtech, Inc Booth 423

www.ladtech.com
Phone: 816-382-9302
902 Barton Ave NW
Buffalo, MN 55313

Exhibitor Directory Continues on Next Page

COLLECTION SYSTEMS EXHIBITOR DIRECTORY

For Company Descriptions, view Exhibitors in the mobile app.

Landia, Inc..... Booth 407

www.landiainc.com
Phone: 919-466-0603
*111-Triangle Trade Dr
Cary, NC 27513*

Logiball, Inc Booth 421

www.logiball.com
Phone: 418-656-9767
*4210 Jean-Marchand
Quebec, QC G2C 1Y6
Canada*

M.E. Simpson Co, Inc Booth 414

www.mesimpson.com
Phone: 800-255-1521
*3406 Enterprise Ave
Valparaiso, IN 46383*

Madewell Products Corporation Booth 212

www.madewell.net
Phone: 770-558-7330
*7561-Industrial Ct
Alpharetta, GA 30004*

NOV Fiber Glass Systems Booth 207

www.nov.com/fgs
Phone: 713-397-1532
*17115 San Pedro Ave, Ste 200
San Antonio, TX 78232*

OBIC, LLC Booth 517

www.obicproducts.com
Phone: 419-636-2684
*525 Winzeler Dr, Unit 1
Bryan, OH 43506*

Exhibitor Directory Continues on Next Page

COLLECTION SYSTEMS EXHIBITOR DIRECTORY

For Company Descriptions, view Exhibitors in the mobile app.

Orenco Systems Booth 413

www.orenco.com
Phone: 541-459-4449
814 Airway Ave
Sutherlin, OR 97479

Process Wastewater Technologies, LLC..... Booth 520

www.pwtech.us
Phone: 410-238-7977
9004 Yellow Brick Rd, Ste D
Baltimore, MD 21237

RedZone Robotics, Inc...... Booth 514

https://redzone.com
Phone: 412-476-8980
195 Thorn Hill Rd, Ste 110
Warrendale, PA 15086

REXA, Inc Booth 512

www.rexa.com
Phone: 508-436-6528
4 Manley St
West Bridgewater, MA 02379

Rhomar Industries..... Booth 508

www.rhomar.com
Phone: 800-688-6221
2107 E Rockhurst
Springfield, MO 65802

RJN Group, Inc Booth 307

https://rjn.com
Phone: 630-682-4700
2655 Warrenville Rd, Ste 225
Downers Grove, IL 60515

Exhibitor Directory Continues on Next Page

COLLECTION SYSTEMS EXHIBITOR DIRECTORY

For Company Descriptions, view Exhibitors in the mobile app.

RKI Instruments..... **Booth 116**

www.rkiinstruments.com
Phone: 510-441-5657
33248 Central Ave
Union City, CA 94587

RootX..... **Booth 422**

www.rootx.com
Phone: 800-844-4974
PO Box 7626
Salem, OR 97303

SewerAI Corporation..... **Booth 206**

www.sewerai.com
Phone: 206-457-7610
2815 Mitchell Dr, Ste 215
Walnut Creek, CA 94598

Smart Water Solutions..... **Booth 313**

www.smarth2o.solutions
Phone: 423-521-5770
134 N Market St, Unit 4485
Chattanooga, TN 37405

Smartcover Systems..... **Booth 306**

www.smartcoversystems.com
Phone: 913-233-6771
2110 Enterprise St
Escondido, CA 92029

Smith & Loveless, Inc..... **Booth 221**

www.SmithAndLoveless.com
Phone: 913-888-5201
14040 Santa Fe Trail Dr
Lenexa, KS 66215

SpaceAge Labs Pte Ltd..... **Booth 215**

www.spaceage-labs.com/hydroeye
Phone: +65 97580295
84 Toh Guan Rd E
#04-03 Singapore Water Exchange Building
Singapore, 608501

Exhibitor Directory Continues on Next Page

COLLECTION SYSTEMS EXHIBITOR DIRECTORY

For Company Descriptions, view Exhibitors in the mobile app.

Storm Water Inspection & Maintenance Services, Inc Booth 223

<https://stormtekclean.com>

Phone: 949-670-6302

PO Box 1627

Discovery Bay, CA 94505

Taplin Group, LLC Booth 507

www.TaplinGroup.com

Phone: 269-375-9595

5140 W Michigan Ave

Kalamazoo, MI 49006



Teledyne ISCO Booth 314

www.teledyneisco.com

Phone: 402-429-1107

4700 Superior St

Lincoln, NE 68504

Tnemec Company, Inc Booth 308

www.tnemec.com

Phone: 816-326-4227

123 West 23rd Ave

North Kansas City, MO 64116

Trimble Booth 515

www.trimble.com/en/solutions/industries/utilities

Phone: 801-523-2751

11075 S State St, Ste 24

Sandy, UT 84070

Trumbull MFG Booth 321

www.trumbull-mfg.com

Phone: 724-699-8776

3850 Hendricks Rd

Youngstown, OH 44515

Exhibitor Directory Continues on Next Page

COLLECTION SYSTEMS EXHIBITOR DIRECTORY

For Company Descriptions, view Exhibitors in the mobile app.

Vaughan Company, Inc..... Booth 312

www.chopperpumps.com

Phone: 888-249-CHOP

364 Monte-Elma Rd

Montesano, WA 98563

Warren Environmental Booth 509

www.warrenenviro.com

Phone: 508-947-8539

137 Pine St

Middleborough, MA 02346

WinCan LLC..... Booth 513

www.wincan.com/en/home

Phone: 412-335-8271

300 Cedar Ridge Dr, Ste 308

Pittsburgh, PA 15205

EXHIBITION FLOOR PLAN

120	Core & Main	121	Cretek Specialty Products	220	Resch Environmental Services	221	Smith & Loveless Inc.	320	ASE Environmental Services	321	Turnbull MFG	420	Infosense Inc.	520	Process Waterwater Technology LLC	521	APXY10 Inc.
118	InScope	222	Ererguson Waterworks	322	MOJO Environmental	422	RoutX	522	Triples	519	Faure Herman Merer Inc.	517	OBIC LLC	515	Trimble	511	GWf USA Inc.
116	RFI Instruments Inc.	115	Biolockbox, Inc.	214	Grande Water Management Systems	314	Teledyne ISCO	414	M.E. Simpson Co Inc.	514	RedZone Robotics Inc.	513	WinCan LLC	509	Warren Environmental	507	Taplin Group, LLC
114	PaveDrain, LLC	113	TREKK Design Group, LLC	212	Waldwell Corporation	312	Vaughan Company, Inc.	412	Duke's Root Control, Inc.	512	REXA Inc.	511	GWf USA Inc.	509	Warren Environmental	507	Taplin Group, LLC
112	Advanced Drainage Systems	110	Agua Aerobic Systems, Inc.	208	Autodesk, Inc.	308	Thremc Company, Inc.	408	GBA	508	Rymor Industries	509	GWf USA Inc.	509	Warren Environmental	507	Taplin Group, LLC
108	In-Situ, Inc.	109	Asian Hydro Systems	207	NOV Fiber Glass Systems	307	RIN Group, Inc.	406	Helix Labs	506	Environment One Corporation	509	GWf USA Inc.	509	Warren Environmental	507	Taplin Group, LLC
106	OptiRTC	107	AquaShield, Inc.	206	Seawell Corporation	306	Smartcover Systems	406	Helix Labs	506	Environment One Corporation	509	GWf USA Inc.	509	Warren Environmental	507	Taplin Group, LLC

Stormwater Pavilion

PRESENTER AND MODERATOR DIRECTORY

Benjamin Agrawal
Hazen and Sawyer
 Speaker Session 05

Seth Ahrens
Atkins North America
 Speaker Session 08

Dustin Atchison
Jacobs
 Speaker Session 12,
 Moderator Session 02

Masih Bari
Atkins
 Speaker Session 05

Thomas Batrone
HDR
 Speaker Session 06

Lisa Bechini
Northbridge Environmental
 Speaker Session 07

Bethany Bezak
City of San Diego
 Speaker Session 14

Stefano Biondi
SWI Group Srl
 Speaker Session 08

Heather Bourne
LinmoTech
 Moderator Session 06

Patrick Bradley
RES
 Speaker Session 10

Julie Brandt
Parametrix
 Speaker Session 11

Seth Brown
Storm and Stream
 Speaker Session 10

Ryan Brown
Autodesk
 Speaker Session 13,
 Moderator Session 10

Jared Carey
TREKK Design Group, LLC
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Craig Clarkson
ISG
 Speaker Session 12

Jennifer Court
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Carla Coveart
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 Speaker Session 04

Brianna Datti
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 Speaker Session 12

Anna Eleria
Capitol Region Watershed District
 Speaker Session 02

Stephanie Hanses
Brown and Caldwell
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Carol Hufnagel
Tetra Tech
 Moderator Session 07

Ian Fannin-Hughes
Johnson County KS - Stormwater Management Program
 Speaker Session 01

Paul Fendt
Parametrix
 Coordinator Session 11

Sarah Fuller
Wade Trim
 Speaker Session 04

Madison Gibler
Burns & McDonnell
 Speaker Session 02,
 Moderator Session 07

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RJN Group
 Speaker Session 04

Richard Greuel
Arcadis
 Speaker Session 14

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Lawrence, KS
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 B

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Carollo Engineers
 Moderator Session
 02

Lara Isch
*City of Overland
 Park, KS*
 Presenter Workshop
 A

Chad Johnson
CDM Smith
 Moderator Session
 14

Seth Johnstone
1898 & Co.
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 Workshop B

Aaron Jones
*TREKK Design
 Group*
 Speaker Session 04

Rachel Jones
Gwinnett County
 Moderator Session
 01

Albert Key
*DeepRoot Green
 Infrastructure, LLC*
 Coordinator Session
 09

Thomas Kimes
PEC
 Moderator Session
 06, 08

Kalene Kobs
Stanley Group
 Moderator Session
 13

**Ummekulsoom
 Lalani**
*Atkins North
 America*
 Speaker Session 06

Jinshu Li
Stantec
 Speaker Session 03

Brenda Macke
Burns & McDonnell
 Speaker Session 12,
 14

Dayton Marchese
OptiRTC
 Speaker Session 03

Jeff Martin
KC Water
 Presenter Workshop
 A

Lauren Moore
Burns & McDonnell
 Speaker Session 13

Thomas Morey
Stantec
 Speaker Session 13

Dmitrijs Obolevs
Arup
 Speaker Session 03

Darren Olson
*Christopher B. Burke
 Engineering, Ltd*
 Speaker Session 12

Sabu Paul
Freese & Nichols
 Moderator Session
 13

Shayne Paynter
Atkins
 Speaker Session 05

Garland Pennison
HDR
 Speaker Session 05

John Phillips
Parametrix
 Speaker Session 11,
 Coordinator
 Workshop A,
 Moderator Session
 05

Rebecca Purvis
Atkins
 Speaker Session 13

Chad Richards
*Atkins North
 America*
 Speaker Session 04

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Bridging the Gap
Speaker OGS

Michael Ryan
HDR Engineering, Inc.
Speaker Session 05,
08

Abby Sandbothe
HDR
Moderator Session 12

Andrew Sauer
Burns & McDonnell
Speaker Session 02,
10, Presenter
Workshop B

Andrew Sawyers
U.S. EPA
Speaker OGS

Heather Schmidt
*Johnson County KS
Government*
Speaker Session 14

Nathan Schreiner
HDR
Speaker Session 01,
08

Micah Shapiro
*Resource
Environmental
Solutions*
Speaker Session 07

Sarah Smith
Johnson County, KS
Speaker Session 13,
Presenter Workshop B

Andrew Smith
Black & Veatch
Presenter Workshop B

Elango Thevar
NEER
Speaker Session 03

Catie Torgersen
*Fairfax County
Department of Public
Works and
Environmental
Services*
Speaker Session 05

Robert Traver
Villanova University
Speaker Session 13,
Moderator Session 08

Lauren Van Meter
HDR
Speaker Session 14

Brian Waldrop
*Missouri Department of
Conservation*
Speaker Session 01

Joe Walter
*Atkins a member of the
SNC-Lavalin Group*
Speaker Session 13

Erica Wellen
CDM Smith
Speaker Session 04

Kelly Westover
Stantec
Speaker Session 07

Mary Whitehead
Arcadis
Speaker Session 08

Gregory Williams
StormTrap
Speaker Session 10,
Moderator Session 05

Jesse Williams
Jacobs
Speaker Session 12,
Presenter Workshop A,
Moderator Session 01

Brandon Wong
Hyfi
Speaker Session 03

Jeffrey Wright
Atkins Global
Moderator Session 03

Sarah Wright
*Missouri Department of
Natural Resources*
Speaker Session 01

Jim Zaharopoulos
*Village of Arlington
Heights*
Speaker Session 04

CONFERENCE SCHEDULE AT-A-GLANCE

Tuesday, June 27

7:30 a.m. – 5:00 p.m.	Registration
8:30 a.m. – 5:00 p.m.	Workshop A
1:30 p.m. – 5:00 p.m.	Workshop B

Wednesday, June 28

7:30 a.m. – 5:00 p.m.	Registration
8:30 a.m. – 10:00 a.m.	Opening General Session
10:00 a.m. – 6:15 p.m.	Exhibit Hall Hours
10:45 a.m. – 12:15 p.m.	Technical Sessions 1, 2
10:45 a.m. – 3:00 p.m.	Technical Session 3
12:15 p.m. – 1:30 p.m.	Networking Luncheon
1:30 p.m. – 4:45 p.m.	Technical Sessions 4, 5
3:15 p.m. – 3:45 p.m.	Technology Spotlight I
3:45 p.m. – 4:45 p.m.	Technical Session 6
4:45 p.m. – 6:15 p.m.	Networking Reception

Thursday, June 29

8:00 a.m. – 5:00 p.m.	Registration
8:30 a.m. – 12:00 p.m.	SW Facility Tour A
8:30 a.m. – 10:00 a.m.	Technical Sessions 7, 9
8:30 a.m. – 12:15 p.m.	Technical Session 8
10:00 a.m. – 3:45 p.m.	Exhibit Hall Hours
10:45 a.m. – 12:15 p.m.	Technical Sessions 10, 11
12:15 a.m. – 1:30 p.m.	Networking Luncheon
1:00 p.m. – 1:30 p.m.	Technology Spotlight II
1:30 p.m. – 4:45 p.m.	Technical Sessions 12, 13, 14

UPCOMING WEF EDUCATION & TRAINING EVENTS

WEF Circular Water Economy Summit

July 18-20, 2023
Nashville, Tennessee
www.wef.org/cwesummit

WEFTEC

September 30-October 4, 2023
Chicago, Illinois
www.weftec.org

Residuals and Biosolids Conference

June 21-24, 2024
Oklahoma City, Oklahoma
www.wef.org/ResidualsBiosolids



SEPT. 30–OCT. 4, 2023
Chicago, IL

as essential

as clean water

An illustration of two water professionals. On the left, a man in a yellow hard hat, teal shirt, and blue overalls stands with his arms crossed. On the right, a woman in an orange safety vest over a white shirt and blue pants holds a yellow hard hat. Above them, a grey pipe extends from the left, with a single dark blue water drop falling from it. The background is a light blue circular shape.

This **must-attend** annual gathering brings together water quality professionals to discuss how we can **ensure access to clean water** for all and create a **more equitable, sustainable future.**

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