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*Keep reading and keep sharing! The WEF CSC Member Association e-Newsletter is going **quarterly!***

*Share any successes, milestones, events, initiatives, innovations, fun ideas, etc. with all in our collection systems community by emailing a short summary to Bri Nakamura at [bnakamura@wef.org](mailto:bnakamura@wef.org)*

## Member Association News

### Florida WEA ([FWEA](#))



On Tuesday, April 16, 2019, the FWEA Collection Systems Committee held a workshop titled “**Techniques to Reduce Inflow and Infiltration of Collection Systems with O&M Tidbits**”.

The workshop discussed inflow and infiltration (I&I) issues that collection systems typically experience along with Operation and Maintenance (O&M) tidbits to either reduce or identify I&I. It included presentations and a roundtable discussion on I&I quantification approach; I&I detection approaches, methods and tools; and best O&M techniques.

Featured speakers and panelist included: Srin Vallabhaneni, Annalise Mannix, Megan Ross, Richard Cummings, Kimberly Rogers, George Cassady, Giovanni Batista, Hardeep Anand, and Steve Roberts.

- ◆ Collection System Assessment
- ◆ Safety Issues
- ◆ Regulations / Enforcement
- ◆ New Technologies
- ◆ Management and Administration of Systems
- ◆ Operator Certification

If interested, please submit abstracts in hard copy or electronic format, along with the proposed title, name(s) of speaker(s), author(s), company/agency affiliation, address, telephone and facsimile number, and e-mail address.

Abstracts are due by **July 31, 2019**. Please send the abstracts to e-mail Tom Myers at [tmyers@brwnncald.com](mailto:tmyers@brwnncald.com)

For additional information, please contact HWEA Collection Systems Committee members, Tom Myers at ph. (808) 203-2660 or Sheryl Nojima at ph. (808) 521-0306. Please visit our website at [www.hwea.org](http://www.hwea.org) for more information on the conference.



### Hawaii WEA ([HWEA](#))

The Collection Systems Committee of the Hawaii Water Environment Association (HWEA), a member section of the Water Environment Federation (WEF), is seeking papers for presentation at its 10<sup>th</sup> biennial conference. This year, HWEA has teamed with the Western Chapter of the North America Society for Trenchless Technology (WESTT) to provide an exciting joint conference. The conference will include a wide variety of topics related to **wastewater collection systems and buried infrastructure with an emphasis on current collection system technologies, assessment, rehabilitation and operation**. Other presentation topics may include:

- ◆ Collection System Design (including pump stations)
- ◆ Trenchless Construction / Rehabilitation and Condition Assessment Methods
- ◆ System Operations, Maintenance and Troubleshooting
- ◆ Construction / Rehabilitation Methods



### Kansas WEA ([KWEA](#))

Kansas WEA will be hosting their annual conference on **August 27-29, 2019** in Topeka, Kansas. This year's conference will kick off with keynote speaker Tim Grunhard, an 11-year NFL veteran and the current president of the Kansas City Chiefs Ambassadors.

The program will also feature a great lineup of collection systems topics throughout the week, including presentations around forcemain replacement, I&I, manhole rehabilitation, and flow metering analysis.

For more information about the upcoming conference and to register, [click here](#).

## Collection Systems Awards

In each issue we like to recognize professionals and/or utilities in your Member Association (MA) who received a distinguished award in collection systems. Please contact Bri Nakamura at [bnakamura@wef.org](mailto:bnakamura@wef.org) if you would like to contribute.

### WEA of Texas ([WEAT](#))

At this year's Texas Water Conference, nine people were inducted into the Select Society of Sanitary Sludge Shovelers or 5S.

The 5S was founded by the Arizona Member Association in 1940 and induction is by selection and on the basis of merit. Within WEAT, induction is based on "Outstanding, meritorious service above and beyond the call of duty".

This year's inductees included:

- ♦ Louis Herron
- ♦ Allison (Blake) Hage
- ♦ Melissa Sansing
- ♦ Rebecca Diviney
- ♦ Logan Burton
- ♦ Matt Jalbert
- ♦ Kristin O'Neill
- ♦ Lindsey Kovar
- ♦ Shannon Dunne

Also presented at the conference is the Sidney L. Allison Award. This award is given to a person or organization that has made significant contributions to the engineering, science, and/or

operation and maintenance of wastewater collection and pumping stations.



Justin Diviney with WEF Vice President Lynn Broadus  
(Photo: WEAT)

The 2019 Sidney L. Allison Award was presented to **Justin Diviney**.

Justin currently serves as the Co-Chair of the WEAT Collections System Committee and has been a longtime member and supporter of WEAT. Mr. Diviney currently holds a TCEQ Class III Wastewater Collection System Operator's License, a Class C Water Distribution License, a NASSCO PACP Certificate, an Associate Water Asset Manager Certificate from BAMI-I and has completed Volumes I and II of the California State University, Sacramento College of Engineering and Computer Science, Operation And Maintenance of Wastewater Collection Systems. Justin's dedication to the Collection Systems industry is evident in his

continuous commitment to higher learning and his mentorship of younger staff. He encourages the development of new methods for collection systems operation and is an advocate for worker safety, good operation and maintenance practices, and personal excellence. Mr. Diviney has a long history of volunteer service to the industry, having served as the President, Past President, Vice President, and Program Director for the Texas Water Utilities Association's (TWUA) North Texas District. Justin also serves on the Facility and Collection System Committee for the National Association of Clean Water Agencies (NACWA).

## New England WEA ([NEWEA](#))

New England Water Environment Association (NEWEA) held their spring conference at Wentworth by the Sea in New Castle, New Hampshire from **June 2 through 5, 2019**. The collection systems committee sponsored one technical session during conference:

### Collection Systems: Proactive Tools and Emergency Response

- ♦ Big Sewer Break – Big Problems
- ♦ Prescriptive Cleaning May be a Bitter Pill to Swallow but Some Municipalities are Finding a New Cure
- ♦ GIS Tools for Management and Manipulation of Wastewater Infrastructure Data
- ♦ Nantucket's Emergency Response to Catastrophic Force Main Break – January 2018

### WEA of Texas ([WEAT](#))



The 2019 Texas Water Conference was held in Houston at the George R. Brown Convention Center **April 2 – 5, 2019**. The conference broke another attendance record with a total of 5,450 registrants at the conference in beautiful downtown Houston, Texas. The WEAT Collections Committee met during the conference on Wednesday April 3rd. The agenda included several topics of discussion: WEAT Board Meeting, WEF Collection Systems Committee Updates by Jerome Iltis and Mattie Engels, a discussion of new methods for scoring abstracts, discussion on WEAT Webinar 2020, WEF Collection Systems Conference in Texas for 2020, WET Article, active volunteerism by all committee members and introduction of committee co-chair David Koberlein.

At Texas Water 2019, for the fourth year in a row, the Collection Systems technical session was a full day of well attended

educational presentations. Speakers/topics were selected by the WEAT Collections Committee including:

- ♦ The Ins and Outs of Fan Testing in the Real World by Justin Angel of Perkins Engineering Consultants;
- ♦ Odor and Corrosion Mitigation Strategies for a Complex Large Diameter Interceptor System by Neepa Shaw of Hazen-Sawyer;
- ♦ Application of Smart Data Infrastructure for Integrated Wet Weather Management by Mia Welch from Tetra-Tech;
- ♦ No Calm Before the Storm: Projecting for the Future with Record Rainfall featuring Carlos Flores of the North Texas Municipal Water District;
- ♦ Managing the Challenges of Large Diameter Pipeline Design and Construction: DWU Southside 120-Inch Wastewater Interceptor Rehabilitation with Marty Paris of Kimley-Horn & Associates;
- ♦ When the Rains Came: The Impact of Hurricane Harvey on a Wastewater Collection System by Karen Rico of the RJN Group;
- ♦ CIPP: We're Going to Need a Bigger Sock with Grace Sober from Lockwood, Andrews, & Newnam;
- ♦ Wastewater Lift Station Consolidation – Perspectives and Experiences of a Large Municipality by Trent Slovak from KIT Professionals;
- ♦ In Case of Emergency, Don't Call 911: A Unique Inline Storage Approach to Eliminate Sanitary Sewer Overflows with Kendall NeSmith from Kimley-Horn & Associates;
- ♦ Bigger is Not Always Better: How Not to Chase Capacity all the Way to the Treatment Plant by Shay Roalson from HDR Engineering;
- ♦ Shannon Dunne from the City of Houston who spoke about Sanitary Sewer Overflow Monitoring and Alerting with the 311 Self Reporting System.

## Technical News



### CWWA Supports Application to Investigate Flushable Wipes

On May 1, 2019, Friends of the Earth Canada, represented by Ecojustice, filed an application seeking an investigation by the Competition Bureau into false and misleading claims made by the manufacturers of 23 so-called flushable wipes and other single-use products. The application calls for \$230 million in fines to be levied against various wipes manufacturers for improperly labeling their products.

The application cites the recent report from the Ryerson Urban Water Centre, led by CWWA and MESUG member Barry Orr. The study examined more than 101 products, and all items, except toilet paper, failed to pass tests for drain line clearance and disintegration. Many of the products are also composed of plastic or regenerated cellulose. (This research was financed with funding crowd-sourced by MESUG and CWWA from our members that support these efforts.)

A second report from Western University prepared for the City of London, reviewed the labelling on over 25 products and found that none of them met the manufacturing industry's own Code of Practice for labelling of products.

From the Competition Bureau website: *The Competition Bureau, as an independent law enforcement agency, ensures that Canadian businesses and consumers prosper in a competitive and innovative marketplace. We are a federal institution that is part of the [Innovation, Science and Economic Development Canada](#) portfolio. Headed by the Commissioner of Competition, the Bureau is responsible for the administration and enforcement of the Competition Act, the [Consumer Packaging and Labelling Act](#) (except as it relates to food), the [Textile Labelling Act](#) and the [Precious Metals Marking Act](#).*

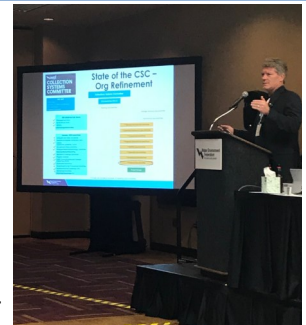
CWWA trusts the Competition Bureau will give this application full consideration and commence a practical discussion on what, if anything, should be labeled as 'flushable', who should determine what can enter municipal systems, and how products should be appropriately labeled to best inform consumers.

## WEF News



### All in the Winners Circle—A Successful Collections 2019 in Indy!

The 2019 WEF Collection Systems Conference, Race to Indy – 25 Years of Wet Weather Control was held in Indianapolis, Indiana, from June 4th through 7th, in cooperation with the Indiana Water Environment Association (IWEA) and The Water Research Foundation. This year's conference was another great event, with approximately 645 attendees representing 42 states and 5 countries. The Opening General Session provided an inside look at the Indianapolis Motor Speedway to kick off the conference.



CSC Chair Kevin Waldron gives an update on the CSC. (Photo: B. Nakamura)

The Technical Sessions provided presentations covering a wide range of topics, including Tunnels, Trenchless Technology, Combined and Sanitary Sewer Overflows, System Analysis, Project Delivery, Condition Assessment, Asset Management and Inflow and Infiltration. In addition, two technical sessions highlighted local projects in Indianapolis and the surrounding communities.



Two Pre-Conference Workshops were well attended with a focus on evaluating and mitigation inflow and infiltration in collection systems. One workshop focused on rehabilitation practices for mitigating I/I, and the second discussed modeling approaches. Both workshops provided innovative insights into dealing with a common collection system issue.

Mobile Sessions offered attendees the ability to interact directly with exhibitors to gain hands-on knowledge about specific products and services. Both sessions were well attended and a special thank you goes out to all participating exhibitors who helped make it a success. The exhibit hall had 70 exhibitors, which is a record high for recent years.

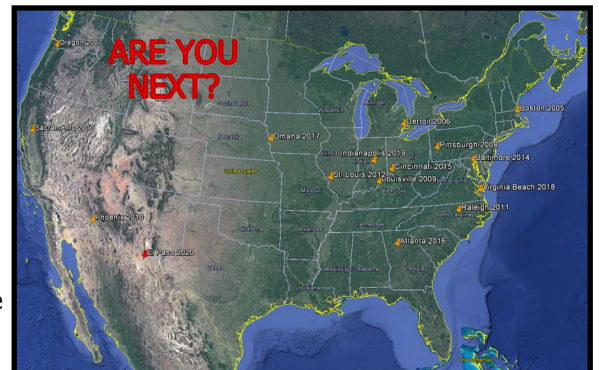
A tour of the Belmont Advanced Wastewater Treatment Plant and Juan Soloman Park Lift Station and a tour of the 240-ft deep DigIndy Deep Rock Tunnel tour allowed attendees a real-world look at projects implemented in the Indianapolis area.

CS Chair Brad Fix welcomes everyone to Indianapolis. (Photo: B. Nakamura)

Mark your calendars to attend this great event next year in El Paso, Texas!

### Be a Collection Systems Conference Host!

The WEF Collection Systems specialty conference is looking for sponsors for 2020 and beyond. In conjunction with your state member association, this national conference could be coming to you. This unique experience provides the opportunity to show off your City and share your knowledge and experience with peers from across the country and internationally. Gather, network, and learn alongside top professionals and experts from around the country who share a common interest in upgrading and improving collection systems. The Host City will assist in planning the conference lead by WEF staff and volunteers. All you need to get started is a letter of interest from your state member association and City officials. If you are interested in hosting a future Collection Systems





**September 21-25, 2019  
McCormick Place, Chicago, Illinois**

Always highly attended, WEFTEC offers a variety of collection systems-focused programming, including technical sessions and workshops on the management, rehabilitation, and financing of these complex systems.

This year's WEFTEC is focused on ReGeneration Workforce: harnessing the power of individuals, coming together to regenerate and reinvigorate the water workforce.

For more information and to register for WEFTEC, visit [www.weftec.org](http://www.weftec.org).

**First Time at WEFTEC?**

**Monday, September 22 from 7:45-8:15 a.m. in Hall A**

Join WEF for "WEFTEC Orientation: A WEFTEC Success Course for First-Time Attendees and New WEF Members", on **Monday, September 22 from 7:45-8:15 a.m. in Hall A**. Whether you have already registered or you just want to see what WEFTEC has to offer, this orientation will give you an overview of the networking opportunities, educational offerings, and how to make the most of your time with exhibitors.

**Collection Systems Committee Meeting at WEFTEC**

**September 22, 2019 from 2:00 p.m.—5:00 p.m.  
Room N228, North Building—Level 2, McCormick Place**

Join "seasoned", new, and potential Collection Systems Committee volunteers at the WEFTEC CSC meeting on **Sunday, September 22, 2019 from 2:00 p.m.—5:00 p.m.** This year's meeting will feature updates from several CSC Subcommittees, a technical presentation, and the always fun roundtable/debate discussion. Hope to see you there!

For more information on the Collection Systems events at WEFTEC, [click here](#).



**Don't miss the Collection Systems Luncheon!**

A can't miss event, this year's luncheon, on **Tuesday, September 24, 2019 from 12:15 p.m.—1:20 p.m.** features a presentation by Harlan Kelly, the General Manager of San Francisco Public Utilities Commission, the third largest municipal utility in California.

This even typically sells out, so be sure to register early. For more information about the luncheon and to register, [click here](#).

**Collection Systems at WEFTEC**

([click here](#) for the Collection System Focus Area)

Saturday, September 21, 2019

8:30 a.m. to 5:00 p.m.

- ◆ Workshop (W9) Sewer Rehabilitation Practices for Mitigating I/I: Integrated Approaches, Innovative Technologies, and Interactive Solutions

Sunday, September 22, 2019

9:00 a.m. to 11:00 p.m.

- ◆ **CSC Subcommittees and Task Group meetings**

2:00 p.m. to 5:00 p.m.

- ◆ **Collection Systems Committee Meeting**

5:00 p.m. to 6:30 p.m.

- ◆ Mix with Members (Open to all WEF Members)

Monday, September 23, 2019

10:30 a.m. to 12:00 p.m.

- ◆ Technical Session (104) Peak Flow Management: Where Do We Stand?

1:00 p.m. to 5:00 p.m.

- ◆ Tour (T1) Calumet Water Reclamation Plant, TARP Pumping Station and Thornton Composite Reservoir

1:30 p.m. to 3:00 p.m.

- ◆ (216) Make No Little Plans: CSO Planning With Stormwater Management Focus

1:30 p.m. to 5:00 p.m.

- ◆ (207) Planning, Evaluation, Design, and Sustainability: Odor Control Has it All!

- ◆ (213) Inflow and Infiltration Assessment: Finding and Removing Sources of Leakage

- ◆ (214) Pump Stations and Force Mains

3:30 p.m. to 5:00 p.m.

- ◆ (229) Case in Point: Current CSO Case Studies

Tuesday, September 24, 2019

8:30 a.m. to 12:00 p.m.

- ◆ (313) Basic Collection Systems 101
- ◆ (314) Flow Analysis Methods to Solve Collection System Flow Problems: Rainfall, RDII, Climate Change, and Hydraulics

10:30 a.m. to 12:00 p.m.

- ◆ (324) Get Smart: Data and Technology Applications in Stormwater

12:00 p.m. to 1:30 p.m.

- ◆ **17th Annual Collection Systems Luncheon**

1:00 p.m. to 5:00 p.m.

- ◆ (413) Wet Weather Management and Flow Equalization: Addressing Wet Weather Flow Issues Around the World

- ◆ (414) Sewer Rehabilitation and Construction

- ◆ (418) Linear Asset Management: What Your Collection System is Trying to Tell You

Wednesday, September 25, 2019

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

- ◆ (513) Advanced Hydraulics: How To Solve the Really Tough Problems in Your Collection System

8:30 a.m. to 12:00 p.m.

- ◆ (510) Not Treatment Technology: The Other Critical Components of an Odor Control System

9:00 a.m. to 10:30 a.m.

- ◆ (533) Mobile Session: Manhole Rehabilitation Technologies

1:30 p.m. to 3:30 p.m.

- ◆ (610) Tunnels: What Lies Deep Beneath Your Feet

- ◆ (611) CYA: Change Your Attitude, Inspect Your Collection System Assets



**WEF CSC Hosts 1st Webcast in FOG Series**

The webcast subcommittee hosted its first of a three part webcast series on Fats, Oils, and Grease (FOG) on **May 30, 2019**. [Into the Fog Part 1: Programs and Prohibitions](#) focused on

setting up a FOG program and ordinances and some lessons learned that led to tweaks of the utility's program or ordinance. There were 155 attendees.

Thanks to speakers Kerry Britt, Narragansett Bay Commission, Brent Werlein, Town of Virginia Beach, Joe Jenkins, EEC Environmental, and to moderator Kevin Fitzpatrick, Metropolitan Water Reclamation District of Greater Chicago.

Part 2 and 3 is expected to focus on control devices, management, and enforcement. These webcasts will take place in **October and December 2019**.

**WEF Welcomes New Executive Director, Walter Marlowe**

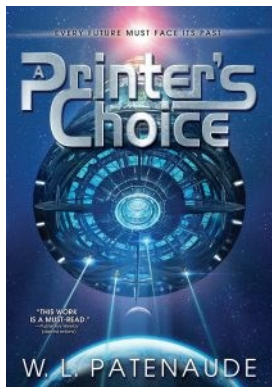
In June, WEF announced the selection of Walter Marlowe, PE, CAE as its new Executive Director.

Marlowe brings extensive, high-level experience in association leadership and the areas of civil engineering, construction, certification, and science to the WEF position, including tenure as a Director at the American Society of Civil Engineers.

Marlowe is currently the Executive Director of the American Association of Pharmaceutical Scientists and was previously the Executive Director of the Construction Specifications Institute and the Executive Director of the American Academy of Water Resources Engineers. He has a B.E. in Civil Engineering from Stevens Institute of Engineering and an MBA from George Washington University.

Marlowe will begin as WEF Executive Director on September 9.

**Did You Know?**



**Regulator pens sci-fi murder mystery exploring tensions between engineers and operators**

Environmental regulator Bill Patenaude's commitment to addressing climate change does not stop when he heads home from the Rhode Island Department of Environmental Management (DEM), where he assesses the effects of climate change on the state's wastewater infrastructure.

Last year, Patenaude published "A Printer's Choice," a science fiction novel set in the year 2088, when the effects of climate change are being felt with full force.

In the novel's world, the Earth is reeling from the consequences of environmental destruction. Oceans have risen to deadly levels, wildfires and storms rage, and the world's resources are strained. Meanwhile, a new world built in outer space by 3D-printers and artificial intelligence has experienced its first homicide.

"A Printer's Choice" is about many things: climate change, religious extremism, artificial intelligence, philosophy. But it is also about wastewater and the people responsible for treating it. Major characters include a wastewater engineer and two operators.

In the novel, wastewater operators are builders, a class of people in the new world who fix and maintain things. In this case, they also are integral to solving a murder.

The engineers, meanwhile, are trying to design the perfect society. The tension between the two classes is a major point of conflict in the story, Patenaude explained.

The builders throw digs at the engineers that wastewater treatment plant operators may find familiar, said Patenaude. "Builders ask, 'Why did the engineers design it this way? Why didn't they listen to us? They should have put that pump here.' That's an important part of the story."

"But it's not good versus bad," he continued. "It is not black and white. Everyone has an opportunity to be good or to cause problems. The engineers are trying to do the right thing. And some builders aren't savvy enough to communicate with them."

Back in real life, Patenaude is a fan of operators and the role they play in protecting the environment. "There was a reason I picked wastewater operators to be characters in the book," he explained. "We as regulators and engineers may not always take the time to acknowledge that those on the front lines need to be part of the solution. The operators and lab folks are wrestling with these big issues. They are the unsung heroes of civilization. I want them to know that we know they exist, and they are to be celebrated."

"A Printer's Choice" is available on the [Amazon](#) and [Barnes & Noble](#) websites, so pick up your copy for your favorite water nerd!

*This issue is brought to you by...*

**WEF CSC MA Outreach E-Newsletter Team**

- ◆ Chip Smith, Member Services Chair, *North Carolina AWWA-WEA, South Carolina WEA, GAWP*
- ◆ Stephen King, *Alabama WEA, Kentucky-Tennessee WEA*
- ◆ Stuart Bowns, *Kentucky-Tennessee WEA*
- ◆ David Brown, *North Carolina AWWA-WEA, Virginia WEA*
- ◆ Daniel Coleman, *Chesapeake WEA, Virginia WEA*
- ◆ Jane McLamarrah, *WEA of South Carolina*
- ◆ Jerome Iltis, *WEA of Texas*
- ◆ Jimmy Stewart, *Alabama WEA, Chesapeake WEA, GAWP*

- ◆ Kara Keleher, *New England WEA*
- ◆ Roger Lehman, *Pennsylvania WEA*
- ◆ Christine Radke, *Chesapeake WEA, Virginia WEA*
- ◆ Michael Quamme, *North Dakota WEA*
- ◆ Heather Veal, *GAWP*

**WEF CSC Leadership and Support**

- ◆ Kevin Waldron, Chair, *Kansas WEA, Missouri WEA*
- ◆ Jim Hewitt, Chair-Elect, *Ohio WEA*
- ◆ Srinu Vallabhaneni, Vice Chair, *Indiana WEA*
- ◆ Dianne Sumego, Past Chair, *Ohio WEA*
- ◆ Bri Nakamura, *WEF Staff Liaison*