NASSCO'S PARTNERSHIP WITH SKILLSUSA IN ACTION

ALSO INSIDE
NASSCO ANNOUNCES TECHNICAL ADVISORY COUNCIL
THE LATEST FROM WASHINGTON DC
REMEMBERING AN INDUSTRY ICON
IN THIS PIPELINE

Filling the Skills Gap 3-4
Mourning a NASSCO Standard Bearer: Greg Laszczynski 5-7
Congressional Update 9-11
Meet a Member: Michelle Strasburg 12
Media Partners 14
NASSCO Technical Advisory Council 15
New Role at NASSCO: Program Manager 16
2019-2020 Committee Goals 18-19
Training Calendar 20
WEFTEC 2019 Collection System Preview 21-23
CIPP Emission Study Update 23

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BETTER COMMUNITIES.

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NASSCO’S COMMITMENT TO FILL THE SKILLS GAP

Last summer NASSCO responded to member concerns regarding workforce development—specifically finding qualified workers to assess, maintain and rehabilitate our underground infrastructure—by becoming a national sponsor of SkillsUSA. Focusing on junior and high school students, SkillsUSA helps educate young people on the essential skills that provide excellent career choices in construction and other industries without requiring a traditional four-year college degree.

According to SkillsUSA, the trade skills gap is very real:
- In 2018 there were six million unfilled jobs
- Six out of 10 open skilled production positions are unfilled due to a shortage of workers
- 82% of surveyed companies predict workforce deficiencies
- By 2025 3.4 million new manufacturing jobs will be available

SkillsUSA works with career counselors and instructors across the United States to introduce specific course curriculum in trade, technical and skilled service occupations. There are currently 6,200 schools (24,700 classrooms) participating in SkillsUSA programs. Through SkillsUSA young people learn personal skills (work ethic, professionalism, responsibility and self-motivation); workplace skills (teamwork, communication, decision making and leadership); and, of course, technical skills. This trifecta of preparedness leads to overall student success in the workplace.

In June our Executive Director, Sheila Joy, had the privilege of attending the SkillsUSA National Leadership and Skills Conference in Louisville, Kentucky and came back with a glowing report of the investment NASSCO has made through its partnership with SkillsUSA. “To see more than 6,000 students from every corner of the United States come together to compete in their respective skill was overwhelming,” shared Sheila. “These kids were well-prepared, courteous and professional and it is an honor to be part this organization’s goal to fill the skilled trade gap.

(continued p. 4)
“Beyond that, however, it is truly rewarding to know NASSCO is part of a larger effort to help young people find clear and focused career direction during such a pivotal time in their lives.”

The SkillsUSA National Conference competitions included skills that covered everything from hairdressing to hardware. The construction category, which included a plumbing competition, was of particular interest to NASSCO. “Our next step in this national partnership will be to introduce SkillsUSA to careers in pipeline assessment,” continued Sheila. “Our Past-President, Tim Vivian, and I will be visiting the SkillsUSA headquarters this fall to educate their staff on the technologies used in pipeline assessment, identify ways to introduce inspection and other trenchless technologies into schools, and offer up some PACP® scholarships to students who show an interest in developing their careers in pipeline assessment and inspection.”

To learn more about SkillsUSA and find your local chapter, visit www.skillsusa.org.
I know a good thing when I see it. I met my wife of 36 years, Gail, when we were in fourth grade, and we have been together ever since. We were married for 12 years before our children were born, and our daughters Ashley, 23, and Allison, 21, whom I affectionately call our ‘money shredders’, are the two most important accomplishments of my life.

Born and raised in Baltimore, Maryland, I knew early on that I wanted a career in engineering. I attended Baltimore Polytechnic Institute, a pre-engineering high school, and shortly after I graduated in 1972 I started working for FMC Corp., a chemical manufacturing company. At the urging of my employer, I pursued my civil engineering degree from Johns Hopkins University part-time. I continued to work full-time, and I also took a break from school half-way through to take a job in Europe for a Danish company involved in process engineering, followed by a stint in 1980 developing a coffee plant in Moscow, so it took me more than 10 years to finally receive my degree.

In 1980 I came back to the United States where I worked once again for FMC on a 97-acre chemical plant. This was my first introduction to trenchless technologies. FMC had seven miles of underground pipes within the property that dated back to 1915. They carried both storm and process water from the chemical processes and were experiencing a lot of environmental issues, specifically I/I. The best solution to repair both the pipes and manholes was the cured-in-place process. My experience with this new technology set the stage for my invitation to head up operations for a CIPP pipelining company in 1987.

I first got involved with NASSCO in 1990 after hearing about it from Trent Ralston and Al Colthorp. I learned right away that the only way to make things happen at NASSCO is to jump right in, feet first, so I got involved in everything I possibly could. I was elected to the Board of Directors in 1992 and became President in 1996. I continued to serve on the Board until 2002, and in 2000 was honored to be selected as one of the first-ever recipients of the Select Society of Sanitary Sewer Sleuth Awards, along with Al Colthorp and Norm Sirna.

Public speaking is something I really enjoy, and I especially love shock value. In fact, I have been told my career of choice should have been stand-up in Las Vegas, not sewers. So I was more than happy when I was elected to present the Select Society of Sanitary Sewer Sleuth Award each year. We’ve had some very (continued p. 7)
GraniteNet is the next generation condition assessment software for the water/wastewater industry. GraniteNet software is asset based, which enables the software to easily interface with other asset based software products such as ESRI ArcGIS Mapping systems, and asset management systems to include Cityworks, Infor Public Sector (Hansen), IBM Maximo, and others. Intuitive and easy to use, data and video can now be accessed via a web portal.

GraniteNet is a solution to orchestrate many processes to drive down costs. GraniteNet aggregates information into one place for better decisions: cleaning, CCTV, smoke, lateral, GPS, hydrants, water valves, street lights, signage, gas lines, etc. Please visit gnet.us.com/csd to learn more and schedule a demonstration or call/email us as noted below.

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colorful, and perhaps even controversial roasts, but behind each and every one of them was a foundation of ultimate love and respect for the recipients who are selected based on their immense contributions to achieve NASSCO’s mission: To set standards for the assessment, maintenance and rehabilitation of underground infrastructure and to assure the continued acceptance and growth of trenchless technologies.

In 2010 I took a short break from the trenchless industry and became – of all things – President of a jewelry company owned by a good friend of mine. After two years in the jewelry industry, my friend lost his license for the product. I came back to the world of underground infrastructure in 2012 when I joined Layne Inliner, where I have been ever since, currently serving as one of Layne’s Vice Presidents.

When I think about our industry, the words that come to mind are honesty and integrity. If you don’t have those basic ethics, you aren’t going to make it. In my current role at Layne, we install the Inliner CIPP products, both traditional felt and fiberglass UV technology. We utilize a number of subcontractors on our projects in the mid-Atlantic region, and it is important to me that they maintain the same high level of integrity that we do. We do everything possible to make sure a job is done right, but the bottom line is this: Sometimes things happen. It is critical to recognize an issue immediately, be honest and up front, stand behind the product, and correct it. This way of doing business benefits the customer, the company and the industry as a whole.

I believe one of the ways NASSCO has impacted our industry the most is by encouraging competitors to work together to do what is best for the entire industry. I have learned from NASSCO and taken this to heart in my day-to-day business interactions. In fact, just recently I had dinner with a competitor that I have bid against several times. This guy is good, quality contractor. He has called me to ask for advice, offered to help me, and even thanked me for being there when he needed me. When push comes to shove, we are there to support each other, and I can’t begin to express the value of this. There is no place for negative selling in our industry. We all need to come together to cross-promote, and NASSCO is a place that makes this happen. Companies or individuals with an agenda just don’t seem to make it very long in NASSCO.

I am extremely pleased and excited to see how well NASSCO has played a leadership role, promoting both trenchless technologies and developing standards and specs for customers and contractors alike. The impressive number of NASSCO Committees, which allow competitors to sit across the table, all working toward the same goal, have helped to grow the trenchless industry and improve our technologies to push each other to deliver the best possible products with the most successful outcomes.

Over the years I have had the privilege of watching NASSCO grow from a small group of guys who, nearly thirty years ago, passed a hat around to keep the bar open for our Annual Conference, to a powerhouse of industry leaders who are making real change for our communities. I am proud to have been part of this growth, and I look forward to seeing where we go in the future. As I said before, I know a good thing when I see it.

**NASSCO recently received a lovely thank you note from Greg’s wife for remembering her husband when he passed. She closed the note with “Please don’t forget Greg.” We never will.**
“NASTT’s annual No-Dig Show provides me with the opportunity to keep abreast of the latest innovations in the trenchless market, and also the innovative ways that trenchless technology has been applied to solve challenging projects in a cost effective manner with the least disruption to the general public and the environment.”

Dave Krywiak
Principal
Stantec

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NO-DIG SHOW 2020

April 5-9 | Denver, Colorado
Colorado Convention Center

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CONGRESSIONAL UPDATE
PROGRESS, BUT NOT COMPLETION
BY STEVE DYE, NASSCO’S GOVERNMENT RELATIONS CONSULTANT

As Congress hits the mid-year mark on the 2019 calendar, it’s time for a quick update on the bills and funding that are pending which could impact NASSCO members and the industry. As the remaining months of 2019 play out, NASSCO members could benefit from bills to reauthorize the Clean Water State Revolving Fund (SRF) and completion of the FY2020 appropriations. There are currently calls-to-action on the NASSCO Sewer System Heroes webpage (www.nassco.org/government-relations) for NASSCO members – and, in fact, anyone – to write their Members of Congress in support of these bills.

Widely reported in the news, an effort to collaborate between the White House and Congress on a $2 trillion infrastructure package once again fell apart over things unrelated to the bill. Nonetheless, before the end of 2019, Congress must complete a highway reauthorization bill, which is widely speculated to be a vehicle for a larger infrastructure package that could include water infrastructure.

The basis for any water infrastructure provisions in an infrastructure package will likely be legislation to reauthorize the Clean Water SRF, which in the House of Representatives is HR 1497, The Water Quality Protection and Job Creation Act of 2019. The bill authorizes the Clean Water SRF to be funded at $4 billion per year for Fiscal Years 2020-2024. The Clean Water SRF is currently funded at around $1.6 billion per year. It also authorizes $900 million over five years to a grant program that NASSCO helped create in 2018 which provides grant funding to communities for CSO, SSO and stormwater collections and conveyance infrastructure. The legislation is bipartisan and is expected to be passed by the House Transportation & Infrastructure Committee in the coming weeks.

Even if the Clean Water SRF reauthorization bill isn’t included in the highway reauthorization bill, Congress will begin drafting the next Water Resources Development Act (WRDA) later in 2019, to which NASSCO and other water sector organizations will be advocating for the Clean Water SRF bill to be included. NASSCO has a number of other policy recommendations for Congress that the Association will be pressing to be included in the WRDA bill. These policies can be viewed at nassco.org/government-relations. (continued p. 11)
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CONGRESSIONAL UPDATE
(cont’d. from p. 9)

Additionally, Congress is currently drafting the FY20 Interior & Environment appropriations bill that provides the annual Clean Water SRF funding, as well as other important water infrastructure funding programs such as WIFIA and the new CSO, SSO and stormwater grant program. The President’s FY20 budget request to Congress included decent amounts for all of these programs, but drastically reduced funding for water regulatory enforcement and compliance, which will potentially reduce the number of local underground infrastructure projects for regulatory compliance purposes.

While as of press time the Senate has yet to draft a FY20 Interior & Environment appropriations bill, the House passed a bill prior to the July 4th recess and it will provide sizable increases in funding for all of the above listed infrastructure programs and the EPA’s enforcement and compliance programs. Most notably, the bill will provide $90 million for the CSO, SSO and stormwater collections and conveyance grant program that NASSCO helped to create.

This progress before Congress in advancing policies and funding that benefits the underground infrastructure industry would not be possible without NASSCO members directly advocating for them. If you have not yet participated in the NASSCO Sewer System Heroes program, please do so soon by sending a letter to Congress quickly and easily via www.nassco.org/government-relations.
Tell us a little about you – how did you end up in this industry?

Being in the sewer/pipe repair business is something I never anticipated! But after 14 years of working with Pipe Lining Supply (creating their web site, logo, brochures, etc.), I was asked to join the company permanently. I sold my web design company and decided to make the jump. Since April of 2018, I have been focusing all my attention to Pipe Lining Supply and all their marketing needs. Focusing on only one company and learning all their products has been such a benefit for me, and for Pipe Lining Supply.

Tell us about your company.

Pipe Lining Supply was started by John and Linda Heisler in 2004 (in Anaheim, CA) to fill a need for the plumbing and drain cleaning industry to rehabilitate sewer lines damaged from root intrusion, cracked, corroded, and missing sections of lateral sewer lines running from buildings to the sewer mains. The cured in place pipe (CIPP) process uses a felt material saturated with resin held in place under pressure until the resin cures which forms a new pipe inside the old pipe. This not only extends pipe life for 50+ years, but it is also a much better solution, and more cost-effective than digging up the old pipe and starting over.

In 2009, John and Linda began developing CIPP equipment to more efficiently install the liners with a unit called the Quik-Shot™. In 2017 their attention expanded to address the drain, waste and vent piping found inside buildings and subsequently developed the Quik-Coating System that is applied to DWV piping with a polyurea resin system that seals leaks and prevents further scale from building on the pipe walls. To make a full-service pipe rehabilitation shop, they added the Renssi high-speed drain cleaning product line to remove scale and roots prior to lining or coating.

Why did you join NASSCO?

Pipe Lining Supply joined NASSCO to further support the sanitary sewer contractors and provide them with training and products to help them perform their work more efficiently. We also joined NASSCO due to the reputation of the organization and its core values aligned with our company.

How has being a NASSCO member helped your career or business?

NASSCO has exposed our technologies to contractors who aren’t familiar with our company or products. We believe that the rehabilitation segment of the industry needs a voice to protect contractor and supplier interests regarding rules, regulation, and training.

NASSCO is a great resource for our industry, a powerful voice for lobbying, and an organization that is looking out for the best interest of our industry. I also look forward to using the organization as a networking opportunity.

What are the top challenges facing our industry?

The biggest challenges to the industry are the education of the installation crews performing the work. Without knowledge, installers may perform shoddy work that gives the industry a bad name that causes the customers to choose other technologies or ban processes altogether.

What else should other NASSCO members know about you or your business?

One thing I would like NASSCO members to know about me is that I am a person that likes to learn everything about the industry and get involved. Even though I am a female in a male-dominated industry, I am not one to sit on the sidelines. That also goes along with our mission that sets Pipe Lining Supply apart from other companies. Our staff is very qualified and knowledgeable about the industry, we do a lot of hands-on training and we are always available to answer your questions. Our customer support is key to the success of our installers. So proper training is our #1 priority!
FREE Technical Training!

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If you are a member of our family of customers or just someone in the market for pipeline inspection or rehabilitation equipment, SeptemberFest 2019 is a free event you shouldn’t miss! We pride ourselves on providing free, hands-on training in repair and maintenance to our users.

Experience guided demonstrations of more advanced repairs, where we tear equipment down to its components and discuss troubleshooting and strategies for extending the life of your equipment. Take part in live demonstrations of new technologies, and discuss best operational practices with our experts and your peers. We hope you can join us! Register at www.rapidview.com

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THANK YOU

WE APPRECIATE OUR PARTNERSHIP WITH TRADE INDUSTRY MEDIA

OVER THE YEARS NASSCO’S PARTNERSHIPS WITH MUNICIPAL SEWER AND WATER, TRENCHLESS TECHNOLOGY, UNDERGROUND CONSTRUCTION, AND WE&T MAGAZINES, ALONG WITH WEF MEMBER PUBLICATIONS, HAVE ALLOWED US TO COMMUNICATE OUR MISSION THROUGH MONTHLY ARTICLES, NASSCO COMMITTEES AND STAFF PROVIDE TIMELY NEWS AND INFORMATION THAT BENEFITS OUR MEMBERS AND OUR INDUSTRY, AND WE ARE GRATEFUL FOR THE GENEROSITY OF THESE MEDIA PARTNERS.
When I was told Lynn Osborn would be transitioning away from NASSCO’s Technical Director position as he gears up to take over as President of UESI on October 1st, I knew I had a big job ahead of me to find his replacement. I also had some very big shoes to fill. Lynn’s character epitomizes everything that I value in a Technical Director: knowledge, fairness, experience, balance and humility. The bonus for me has been his easygoing nature, impressive responsiveness and quick wit.

Luckily, as the result of an extensive, nation-wide search, NASSCO received many applications from highly qualified industry professionals to take over Lynn’s position and they each brought something unique to the role. Some had more experience in specific trenchless technologies than the others; some had post-graduate degrees while others learned everything they knew in the field; some had years of experience training PACP®, others training ITCP® and a few had no experience in either; some worked for contractors, others for engineering firms and a few for manufacturers or suppliers. The common denominator was they all shared NASSCO’s mission to set standards for the assessment, maintenance and rehabilitation of underground infrastructure and to ensure the continued acceptance and growth of trenchless technologies.

There was a lot to consider in making the right choice. I created a spreadsheet that showed each applicant’s strengths, areas of expertise and involvement and commitment to NASSCO. It was a tough decision, so I decided to hire most of them! As of press time we are still awaiting signed Agreements, but in total there will be five industry professionals on this impressive list, with one individual serving as the Council Chair. The Chair will be the first point of contact for all industry inquiries, and will organize NASSCO events (e.g. WWETT Education Day and NASSCO Exchange events), etc. All Technical Advisory Council Members will support the Chair and NASSCO in its mission and, in doing so, each Member will know, understand and represent trenchless technologies as viable solutions for failing underground infrastructure, remaining objective in his or her presentation of trenchless technologies, recognizing the benefits of each for unique purposes. The Council will accomplish this through industry advocacy, education and the development of resources.

We will soon be providing more information on the identity of these industry professionals, but for now I can reveal that we are especially pleased to report that Lynn Osborn has agreed, with the promise of fewer hours each month, to be a Member of the Council and will continue to contribute to NASSCO’s high level of technical expertise. Lynn’s ongoing involvement will bring a seamless transition and will set the tone for the continuing culture of knowledge, fairness, humility and overall excellence.
As NASSCO looks to the future of its training programs, the importance of identifying key personnel to manage the processes and growth of PACP®, MACP®, LACP® and ITCP® -- and to identify future opportunities -- is of utmost importance. With eighteen years of experience at NASSCO and having been an important part of developing various training programs throughout the years, Heather Myers, formerly NASSCO’s Operations Manager, is the perfect candidate and has accepted the challenge.

Heather will now serve in NASSCO’s newly-created role as Program Manager. In partnership with NASSCO’s Training Director, Michael Kerr, as well as NASSCO’s Infrastructure Assessment and Software Committees, Heather will be responsible for the development, growth and overall management of all current NASSCO training programs and those yet to be developed.

“Perhaps the greatest vehicle for accomplishing NASSCO’s mission to set standards for the assessment, maintenance and rehabilitation of underground infrastructure is education,” explained Sheila Joy, NASSCO’s Executive Director. “NASSCO training programs have become national standards with the potential to expand internationally, and having Heather at the helm will help us stay on course. We have also identified many areas to improve the quality of course content, the student experience and ways to add value to the outcomes, which will benefit system owners and communities, alike. Heather has been a loyal proponent of NASSCO’s training programs throughout the years and knows the processes used by trainers and students better than anyone else. She is the perfect candidate, and this opportunity will allow her to personally develop her career in this industry on a much higher level.”

As part of her new role, Heather will work with consultants and other staff members to improve the online training experience, work with NASSCO’s Training Director to ensure all training materials are accurate, protect the PACP and ITCP brands, oversee processing of CEUs and PDHs, simplify and digitize training materials, explore educational content for future training programs, promote training programs to the industry and be the gatekeeper for opportunities that help achieve NASSCO’s vision to increase awareness of aging underground infrastructure and provide solutions through education, technical resources, and industry advocacy.
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NASSCO committees are working hard to represent our members. The goals are set, and the wheels are turning to carry us forward in the advancement of all trenchless technologies. The 2019-2020 committees have set goals to provide relevant, industry-focused solutions to many of the issues affecting our industry.

2019-2020 Committee Goals:

**Government Relations**
- Participate in industry fly-ins to share the need to fund underground infrastructure with representatives in Washington, D.C.
- Increase participation on NASSCO’s Government Relations Committee to expand awareness at the state level
- Increase utilization of NASSCO’s Sewer System Heroes online campaign
- Keep NASSCO’s government policy recommendations document current
- Keep members informed of critical policy issues

**Grouting**
- Complete committee’s website update
- Finish curriculum for development of ITCP-Grouting course
- Publish NASSCO’s Infiltration Control Specification Update
- Write a white paper regarding Grout Test Cell research findings

**Health & Safety**
- Using results from TTC CIPP emissions study, update NASSCO’s CIPP Safety Guideline, if necessary
- Produce safety-related videos on topics relating to safety in the field
- Ensure the Safety Manual Template is available to all members

**Infrastructure Assessment**
- Promote the WEF Manual of Practice and Crossbore Specification Guideline
- Continue to compile updates to PACP including condition grades

**Asset Management Workgroup**
- Review the script associated with Appendix D
- Update state-by-state Asset Management requirements and incentives
- Coordinate with Government Relations Committee to encourage Asset Management at federal level
- Develop and disseminate links to Asset Management materials

**Condition Grades Workgroup**
- Provide recommended updates and improvements to the Condition Grades for the next PACP version

**International Relations**
- Transition Bogota to PACP standards
- Increase number of PACP trainers in the Central and South America regions
- Deliver an in-house PACP course to the city of Bogota that includes key engineers and operators
- Extend the agreement between NASSCO and CISTT in this region
- Complete translation of the PACP v7 manual after 7.0.4 revision is ready to be translated
- Complete metric version of PACP

**Lateral**
- Successfully change UPC Section 715.3 to allow CIPP in cast iron pipe
- Monitor and take action when necessary with plumbing code models and adopted/amended codes in local jurisdictions as it relates to trenchless methodology
- Prepare educational tools on trenchless applications for lateral rehabilitation regulated by plumbing codes
- Formulate proposals for the next cycle of plumbing code development
Manhole
- Develop a UCT 2020 Manhole Rehab Track
- Prepare specification update to CSI Format
- Update ITCP Manhole Rehabilitation course materials
- Submit MOP 92 for submission to ASCE PINs committee

Operations & Maintenance
Jetter Code of Practice Workgroup
- Draft of Jetter Manual by early fall, 2019

Pipe Rehabilitation
- Develop and/or update NASSCO specifications to include:
  - CIPP Specification
  - Spiral Wound Specification
  - Fiberglass-Reinforced Specification

CIPP Workgroup
- Monitor the progress of CIPP emissions testing and emissions related incidents

Pressure Pipe
- Write a series of articles for Underground Construction
- Develop a technical track for UCT (3 to 3.5-hr duration) based on said articles
- Develop educational videos
- Prepare a pressure pipe overview document including summary of industry guidelines, methods and standards

RehabZone
- Continue to include new technologies, methods and practices in the exhibit

Software
- Include data dictionary with PACP manual to reduce discrepancies
- Consider certification levels based on asset management software, import only, pendant software, mobile apps, exchange database format: access vs. xml, sqLite

Committee participation is open to all NASSCO primary and ancillary members. Information about joining a committee is available on our website at www.nassco.org/get-involved/join-a-committee or by emailing Lisa Avalos, Committee Liaison, at lisa@nassco.org.
TRAINING CALENDAR
GO TO NASSCO.ORG TO VIEW THE FULL SCHEDULE

SEPTEMBER

PACP
9/4- 9/6 Louisville, KY 9/23- 9/25 Phoenix, AZ
9/9- 9/11 Rochester, IN 9/23- 9/25 Richmond, VA
9/16- 9/18 Phoenix, AZ 9/24- 9/26 Lakeland, FL
9/16- 9/18 Marriottsville, MD 9/24- 9/26 Calgary, AL
9/17- 9/19 Denver, CO 9/24- 9/26 Sarasota, FL
9/17- 9/19 Harrisburg, PA
9/17- 9/19 Piqua, OH
9/17- 9/19 Concord, NH
9/17- 9/19 Northville, MI

ITCP-CIPP
9/9- 9/18 Cincinnati, OH
9/24- 9/25 Syracuse, NY
9/30- 10/1 St. Paul, MN

OCTOBER

PACP
10/1- 10/3 Las Vegas, NV
10/7- 10/9 Eatontown, NJ
10/8- 10/10 Allentown, PA
10/14- 10/16 Marriottsville, MD
10/15- 10/17 Orlando, FL
10/15- 10/17 Chicago, IL
10/15- 10/17 Belmont, NC
10/15- 10/17 Twinsburg, OH
10/22- 10/24 Romulus, MI
10/22- 10/24 Bolton, ON
10/29- 10/31 Bensalem, PA
10/29- 10/31 Durham, NC

ITCP-CIPP
10/2- 10/3 Taylor, MI
10/10- 10/11 Seattle, WA
10/15- 10/16 Louisville, KY
10/17- 10/18 Costa Mesa, CA
10/23- 10/24 Kenmore, WA
10/29- 10/30 Sacramento, CA

ITCP-MR
10/1- 10/2 St. Paul, MN
10/3- 10/4 Taylor, MI
10/14- 10/15 Costa Mesa, CA
10/14- 10/15 Louisville, KY

PACP 1-Day Recertification
10/7 Allentown, PA

NOVEMBER

PACP
11/5- 11/7 Hollywood, FL
11/12- 11/14 Amherst, MA
11/12- 11/14 Bloomington, MA
11/12- 11/14 Jacksonville, FL
11/12- 11/14 San Francisco, CA
11/19- 11/21 Northville, MI

ITCP-CIPP
11/5- 11/6 Framingham, MA
11/6- 11/7 Phoenix, AZ
11/14- 11/15 Lacey, WA
11/18- 11/19 Austin, TX
11/20- 11/21 Baton Rouge, LA

ITCP-MR
11/14- 11/15 Phoenix, AZ
11/19- 11/20 Lacey, WA
11/19- 11/20 Austin, TX

PACP 1-Day Recertification
11/15 San Francisco, CA
The Water Environment Federation’s annual Technical Exhibition and Conference (WEFTEC®) will be held in Chicago, Illinois, United States, this year in September. Brianne Nakamura of WEF’s Water Science & Engineering Center, provides an overview of the collection systems programming.

Aging infrastructure is one of those buzz words that seems to be popping up on a daily basis, whether in the news, online or everyday conversations for those in the water industry. In addition to aging infrastructure, those in the collection systems realm are far too familiar with other struggles like increasingly stringent regulatory requirements, inflow/infiltration reduction, rising costs, rate structures, effective collection system management, and an ever-changing workforce.

Always highly attended, WEFTEC is a one stop shop for water professionals to interact and learn from some of the very best thought leaders in the world on varying water related issues including a variety of collection systems-focused programming. Now in its 92nd year, the four-day event provides technical sessions, mobile sessions, interactive workshops, and an exhibition floor with over 1,000 companies.

This year’s WEFTEC, will be held from September 23-25, 2019 in Chicago, Illinois and is focused on ReGeneration Workforce: harnessing the power of individuals, coming together to regenerate and reinvigorate the water workforce.

Everything from Peak Flow to a Change in Attitude

With over 148 technical sessions, there can be a lot you don’t want to miss. WEFTEC sessions and workshops undergo a rigorous review process with only 50% or less of the submissions accepted for presentation, resulting in the highest quality program. The Collection Systems programming at WEFTEC follows suit and is continually some of the highest attended sessions year-after-year.

Here are a few Collection Systems sessions you will want to attend:

- Session 104 Peak Flow Management: Where do We Stand? This interactive session will present the drivers, regulations, policies, technologies, and realities of approaches to cost effectively managing extreme wet weather peak flows from collection systems through WRRF in ways that meet both NPDES permit limits and receiving stream water quality standards.

- Session 414 Sewer Rehabilitation and Construction Ranging from pressure systems to large diameter rehab/replacement projects this session will benefit everyone. From force mains to cured-in-place liners from the Florida Keys to Toronto, Ontario, there is a variety of topics and climates for a truly lessons learned session.
• Mobile Session 533 Manhole Rehabilitation Technologies
  Cement vs Geopolymer vs Polyurethane vs Polyurea vs Epoxy. Coating versus Lining. Leakage elimination vs Corrosion resistance. We are faced with a seemingly infinite number of design bases, all using completely different material characteristics. The material characteristics, design calculations, bonding requirements/expectations, ability to resist H2S-based corrosion, installation constraints, cost, longevity, and surface preparation requirements vary widely and are key issues when determining which technologies to apply to manholes. Five top manhole rehabilitation technologies are presented together to allow engineers, contractors, and owners to understand the application of each approach.

• Session 611 CYA: Change Your Attitude, Inspect Your Collection System Assets
  This session will explore innovative methods to inspect collection system assets, from inspecting old sewers to issues with sewers along lake lines. It will also take a deep dive into risk mitigation along with using condition assessment to determine rehab prioritization will be discussed.

Mingle and Learn

If technical sessions aren’t your thing, WEFTEC offers many opportunities to network with like-minded professionals that work “outside the fence” on the critical infrastructure involved in the collection systems. Be sure to attend some of the many WEFTEC networking events like the Collection Systems Committee Meeting, the always sold out Collection Systems Luncheon, or stop by the exciting Operations Challenge Competition to chat with your fellow sewer rats. And while you’re getting your steps in on the Exhibition Floor, don’t miss the opportunity to stop by and get a glimpse into the past, at NASSCO’s Sewer History Exhibit.

While WEFTEC can be big, with over 20,000 attendees, we take great pride in providing quality learning and networking opportunities to our attendees. With a wide range of topics and focus areas, we allow registrants to design their own, unique learning experience and we hope to see you there, as we join the ReGeneration!

For more information and to register for WEFTEC 2019, visit: www.weftec.org
COLLECTION SYSTEMS AT WEFTEC

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.
- (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

TTC’S STUDY ON CIPP EMISSIONS UPDATE

The Trenchless Technology Center (TTC) at Louisiana Tech University is in the final stretch of its extensive research on CIPP emissions. To ensure the study is as complete as possible, NASSCO extended the scope of work through August 2019 to include additional site testing in different geographic areas. TTC is in the process of scheduling an industry-wide webinar to share their findings and NASSCO will respond, as appropriate, with health and safety recommendations and guidelines based on research results. To stay up-to-date on this important topic, including Webinar information (which will be made available soon), please visit nassco.org.
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