NASSCO VISITS WRc

NASSCO PRESIDENT TIM VIVIAN, FAR RIGHT, TOURS THE IMPRESSIVE WRc TESTING FACILITY

OTHER NEWS
new members / CIPP study update / UCT show recap
NASSCO training program update / industry event reminders
WELCOME NEW MEMBERS

NASSCO membership is growing! 2018 ended with 623 member-companies—representing thousands of individuals—who stand behind 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.

Please join us in welcoming industry partners who have joined NASSCO over the past few weeks:

- Cannon & Cannon
- CeC Civil Engineers and Constructors, LLC
- City of Myrtle Beach
- Daran D. Brown
- Gayanga Co.
- Golden 8 Resources Ltd
- Jones Plumbline & Company Consultants, LLC
- MAC Contracting Group, Inc.
- National Clay Pipe Institute
- Norm Rollo
- Orchard, Hiltz & McCliment
- Picote Solutions Inc.
- PL Integrated Services, LLC
- Richard Smith
- Ricky Spotts
- Rosenthal Plumbing
- RP Constructors, LLC
- Woodard and Curran

To learn more about NASSCO membership, visit nassco.org/join.
The origin of NASSCO’s Pipeline Assessment Certification Program (PACP®) came from a small, forward-thinking workgroup of trenchless technology professionals, formed in partnership with the United Kingdom’s Water Resource Centre (WRc), back in the early 2000s.

On September 11, 2001 representatives from this workgroup met in Atlanta, Georgia. The two organizations were finalizing edits to PACP, which is based on WRc’s Manual of Sewer Condition Classification. The mood was celebratory until the fateful news hit this small group of underground infrastructure professionals that a plane flew into the World Trade Center in New York City. That day forever marked the strong bond NASSCO shares with WRc.

Since that time, nearly 20 years later, PACP has become the National Standard for pipeline condition coding throughout North America. The Program has also grown to include the Manhole Assessment Certification Program (MACP®) as well as the Lateral Assessment Certification Program (LACP®) and to date more than 30,000 professionals have been trained in the proper use of PACP in the United States and Canada.

When I took the position of NASSCO executive director last year one of the first things I wanted to do was to personally build a relationship with the staff of WRc. My goal was to better understand our roots and to explore ways to partner with WRc to identify areas of collaboration to further NASSCO’s mission to set standards for the assessment,
maintenance and rehabilitation of underground infrastructure and assure the continued acceptance and growth of trenchless technologies.

It wasn’t until Tim Vivian, the 2018-19 President of NASSCO’s Board of Directors and I made a trip to WRc in Swindon, England last November that I felt a renewed bond had been made. I attribute this to the investment Tim and I made to spend time in person with the WRc staff, reminiscing about our history, touring their impressive research facility, better understanding their culture and identifying areas of mutual opportunity.

The time for a renewed partnership is right for NASSCO, and for WRc, which is actively preparing for the future through a three-year growth strategy. With plans to invest £3 million over that time period in operational capability, innovation and research to ensure they remain at the leading edge of innovation, WRc is also working hard to develop an international presence, and NASSCO fits well into the model.

One of the immediate, actionable initiatives that resulted from the productive meeting last November was to develop a collaborative workgroup to explore mutually-beneficial opportunities that further build global awareness for the assessment, maintenance and rehabilitation of water and wastewater systems. Workgroups such as this seem to result in positive outcomes for NASSCO and WRc, as the workgroup to form PACP did nearly 20 years ago. We look forward to building on our history with WRc to create a future that benefits our organizations, our industry, and our world.
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Phase 2 of the industry study on air emissions from CIPP job sites was awarded to the Trenchless Technology Center (TTC) at Louisiana Tech University with work beginning in July 2018. The scope of the Phase 2 work is to evaluate air emissions from steam cured CIPP job sites and to determine potential impacts on workers and the surrounding community. Dr. Elizabeth Matthews, Assistant Professor, is the Principal Investigator, and Dr. John Matthews, Director TTC, is the Co-Principal Investigator.

Phase 2 consists of emissions testing on six steam cured CIPP job sites with sewers of different diameters and lengths. Following a dry run in Shreveport in September to test sampling methods and expose the project team to working CIPP jobsites, actual field testing began in Shreveport the week of December 10. During that time a total of three CIPP jobsites were visited and monitored. Sewer diameters ranged from 6 to 10 in. with lengths varying from 147 to 608 ft.

The CIPP contractor collected degree of cure samples at each site for testing by TTC. Also, a condensate sample was collected at Site 3. Flow velocity and temperature from the exhaust plume and any gas from the curing CIPP were measured using an anemometer and temperature probe. A typical set-up at an elevated exhaust discharge early in the curing phase is shown in the photo, above right. Weather information was also collected at each site using a mobile weather station as shown, below right.

There was an accessible abandoned building at the third site tested, and the team was able to collect an air sample inside the building after the lateral connections were opened. At each site preliminary survey data was collected by GPS, and a follow-up survey of the site will be performed at a later date to determine building dimensions and locations.

The team is looking at other locations for future jobsite visits this winter. These visits will be conducted to monitor medium- to large-diameter CIPP steam cured projects. Possible locations include the Denver and St. Louis areas.
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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.
2019 KICKED OFF TO A GREAT START AT UCT
BY HEATHER MYERS, OPERATIONS MANAGER

UCT kicked-started 2019 in a big way! New this year was a one-day conference focusing on defeating the two-headed monster—better known as Infiltration and Inflow. A team of industry experts came together to educate nearly 100 attendees on the causes, solutions and preventative measures that can be used to defeat the beast at the I&I elimiNATION event.

The first half of the day focused on the I&I problem, consequences and importance from a system owner’s perspective, from a regulatory perspective and finally from an engineering perspective. After enjoying a networking lunch, attendees settled in for the afternoon to learn about the I&I solution toolbox and corrective action initiatives from a contractor’s perspective, as well as some insight into solutions such as manhole rehabilitation, Cured-in-Place Pipe (CIPP) and grouting as some of the effective tools to fight I&I. Lively Q&A sessions rounded out each segment. Overall, attendees gave the event 4.5 out of 5 stars. We look forward to aiming for that 5 out of 5 stars at future events!

Speaking of announcements, we are proud to share that Lynn Osborn, NASSCO’s Technical Director, was named UCT’s 2019 Most Valuable Professional. He was honored at a luncheon attended by his peers, and it was a record crowd to boot! Lynn was joined by his wife Ivy and supported by several past MVPs. Lynn is renowned across the trenchless rehabilitation industry, not only for his long career as a leading cured-in-place design and research engineer, but also for his involvement, leadership and selfless dedication to our industry. Congratulations, Lynn!
In addition to exhibiting at UCT, NASSCO, in partnership with UCT, once again presented the RehabZone, an exciting live educational area on the show floor. It did not disappoint. As in years past, a printed technology guide was provided to attendees to help them as they made their way through the exhibit, speaking with our Technical Advisors at each station, including the Sewer History Exhibit, a museum-quality display of the history of our industry. The ‘Zone was chock full of interactive displays that allowed attendees to get their hands dirty doing things like experiencing holiday/spark testing, manhole inserts and more! The 2nd Annual Cutter Challenge was also expanded to include not one, not two, but THREE cutters! Prizes were awarded to the fastest time on each tool. Other additions to the ‘Zone this year included a video on plug safety, a manhole rehabilitation before/after slide show and a scavenger hunt to help attendees learn more about all of the interesting technologies available to our industry.

If you weren’t able to attend, don’t worry. The RehabZone launched a new website this year as well, so #VisitTheZone and check out trenchless technologies any time at rehabzone.org. Thank you to all of our sponsors! We couldn’t do it without you.

A plethora of other learning opportunities were also available to UCT attendees such as PACP® training, technical tracks for pipe bursting, directional drilling, pipe lining and renewal, pressure pipe and so much more! There was also plenty of business and networking being done on the show floor and at the various networking events.

On a related note, for the first time this year at UCT, NASSCO held a Board Meeting as a way to keep our leadership engaged and focused on forging the right path for the organization. The Board will meet again at our Annual Conference in April in Fort Lauderdale, FL. Registration for NASSCO’s Annual Conference is now open and available at nassco.org/events. We hope to see you there! Until then… keep learning, networking and fighting that I&I beast!
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A lot has been going on behind the scenes here in NASSCO’s training department.

First of all, we are pleased to announce that Michael P. Kerr has been appointed NASSCO’s Training Director. Mike resides in Pennsylvania where he runs his own consulting firm. He was a student in the very first PACP® training course in 2002 and then began teaching just a few weeks later. His extensive experience is something that he enjoys sharing with the multitude of students he has taught over the years. You can count on him relaying a personal account on many of the aspects of the course. Relatable scenarios have proven to be an effective teaching tool. Mike is also an integral part of the advancement and improvement of the Program and the PACP Manual, reviewing and editing all updates and certifying software.

Mike’s most important role moving forward, however, will be the oversight of all NASSCO Master Trainers (see below). He will be responsible for re-certifying Master Trainers as their certifications expire and will serve as a mentor and trouble-shooter to address questions or concerns that need to be escalated from the field. Mike offers many other contributions both to NASSCO and the industry, and we very fortunate that he has accepted this new role.

We have also made some improvements to the administrative portion of the training program. Our PACP trainers will now have assigned Master Trainers based on the EPA regions in which they work or reside. Based on teaching experience, student satisfaction survey results and other administrative capabilities, the 2019 PACP Master Trainers have been assigned as follows and will serve for a term of three years:

- Laurie Perkins will manage Regions 1, 2 & 3.
- Paul Booth will manage Region 4.
- Brandon Conley will manage Regions 5, 6 & 7.
- Marilyn Shepard will manage Regions 8, 9 & 10
- Chris Mitchell will cover all of English-speaking Canada.

For NASSCO’s ITCP Training Program, Gerry Muenchnmeyer remains the Master Trainer for both CIPP and Manhole Rehabilitation at this time. Michael Kerr recently became ITCP-certified in both Programs and will provide support to ITCP Master Trainers in the coming months, working with Gerry to build and promote the Program, including better continuity between the PACP and ITCP curriculum.
We appreciate all of our trainers and value the time and knowledge that they share to help NASSCO set standards for the assessment, maintenance and rehabilitation of underground infrastructure. We are perhaps most grateful, however, to the following Founding Trainers who helped develop the PACP Training Program nearly 20 years ago:

- Rod Thornhill
- Richard Thomasson
- Marilyn Shepard
- John Jurgens
- Jeff Tinlin
- Dick Eubank (Retired)

Without the vast knowledge and dedication to the industry by NASSCO Founding Trainers, we would not have the successful Programs we have today.

In other news, The ITCP-CIPP online recertification plans are moving forward! We are still on target to meet a Spring 2019 release. Please watch for more details in the coming months.

Important! Please note that NASSCO will now require all students to provide a valid photo ID to trainers upon checking in to the first day of class. This is an important security measure designed to keep a high level of integrity for the NASSCO training programs and our certified professionals. If you should have any questions, please contact me at kathie@nassco.org.

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CONGRATULATIONS
TO NASSCO’S TECHNICAL DIRECTOR
LYNN OSBORN
UCT’S 2019 MVP
# TRAINING CALENDAR

## FEBRUARY

**PACP**
- 2/4-2/6  Columbus, TX
- 2/5-2/7  Phoenix, AZ
- 2/5-2/7  Omaha, NE
- 2/5-2/7  Denver, CO
- 2/11-2/13  Marriottsville, MD
- 2/11-2/13  Victoria, BC
- 2/12-2/14  Fort Lauderdale, FL
- 2/12-2/13  Helena, MT
- 2/12-2/14  Pittsburgh, PA
- 2/12-2/14  Bolton, ON
- 2/19-2/21  Covington, GA
- 2/19-2/21  Toronto, ON
- 2/20-2/22

**PACP 1-Day Recert**
- 2/5  Pittsburgh, PA
- 2/16  Laurel, MD
- 2/27  Marriottsville, MD

**ITCP-CIPP**
- 2/27-2/28  Colorado Spring, CO

**ITCP-MR**
- 2/28-3/1  Colorado Springs, CO

## MARCH

**PACP**
- 3/5-3/7  Alabaster, AL
- 3/5-3/7  Vail, CO
- 3/6-3/8  Orlando, FL
- 3/6-3/8  St. Charles, IL
- 3/6-3/8  Hillsboro, OR
- 3/11-3/13  Marriottsville, MD
- 3/11-3/13  Winnipeg, ON
- 3/12-3/14  Abbotsford, BC
- 3/12-3/14  Virginia Beach, VA
- 3/12-3/14  Wharton, NJ
- 3/13-3/15  Covington, GA
- 3/18-3/20  Olds, AB
- 3/19-3/21  Pittsburgh, PA
- 3/19-3/21  Roanoke, VA
- 3/19-3/21  Nashville, TN
- 3/19-3/21  Northville, MI
- 3/19-3/21  Ontario, CA
- 3/26-3/28  Charlotte, NC

**PACP 1-Day Recert**
- 3/27  Oregon City, OR

**ITCP-CIPP**
- 3/4-3/5  Cincinnati, OH
- 3/7-3/8  Winnipeg, MB
- 3/12-3/13  West St. Paul, MN
- 3/20-3/21  San Juan, PR
- 3/26-3/27  Bangor, ME

**ITCP-MR**
- 3/5-3/6  Winnipeg, MB
- 3/13-3/14  West St. Paul, MN
- 3/21-3/22  San Juan, PR
- 3/25-3/26  Cincinnati, OH

## APRIL

**PACP**
- 4/2-4/4  Joliet, IL
- 4/15-4/17  Laurel, MD
- 4/15-4/17  Wellington, FL
- 4/16-4/18  Covington, GA
- 4/16-4/18  Springfield, MA
- 4/16-4/18  Atlanta, GA
- 4/16-4/18  San Francisco, CA
- 4/23-4/25  Greenville, SC
- 4/30-5/2  Fresno, CA
- 4/30-5/2  Whitestown, IN

**PACP 1-Day Recert**
- 4/15  San Francisco, CA

**ITCP-CIPP**
- 4/16-4/17  Saginaw, MI
- 4/24-4/25  Marriottsville, MD

**ITCP-MR**
- 4/15-4/16  Saginaw, MI
- 4/23-4/24  Marriottsville, MD

**GO TO NASSCO.ORG TO VIEW THE FULL SCHEDULE**
REGISTRATION IS NOW OPEN FOR NASTT’S 2019 NO-DIG SHOW

NASTT’s 2019 No-Dig Show convenes in Chicago, Ill., March 17-21 at the Donald E. Stephens Convention Center.

NASTT’s 2019 No-Dig Show – managed by Benjamin Media, Inc. – is a trenchless celebration that expertly combines professional and high-quality education and exhibits with fun and entertaining networking opportunities over the course of the five-day event. This annual conference brings together trenchless professionals across the industry to help maximize their investment in trenchless technologies, services and applications. The 2019 conference is expected to attract approximately 200 exhibitors and over 2,000 attendees who include public works, contractors, engineers, utility owners, damage prevention and industrial facility personnel.

NASTT’s No-Dig Show blends education and technology through its topnotch Technical Program, which features over 160 peer-reviewed, high-quality technical papers, as well as opportunities for Continuing Education Units (CEUs). The topics focus on both the trenchless installation and rehabilitation industry.

The conference includes an Exhibit Hall that covers more than 92,000 sq. ft. and special networking events including a Kick-Off Breakfast, Gala Awards Dinner, NASTT’s Hall of Fame Induction, the 18th Annual Education Fund Auction and Reception and Closing Luncheon.

You can plan your NASTT’s 2019 No-Dig Show experience, learn about the networking events, view speaker information and connect with other attendees by using the official 2019 mobile event app.

For more information about NASTT’s 2019 No-Dig Show visit www.nodigshow.com, email conferences@benjaminmedia.com or call 330-467-7588.

Media Contacts:
Kelly Dadich
Director of Marketing
Benjamin Media, Inc.
Ph: 330-467-7588
Email: kdadich@benjaminmedia.com

Michelle Hill
Program Director
North American Society for Trenchless Technology
Ph: 888-993-9935
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