Mayank Khurana joined our team on July 10th as our Staff engineer. He served four years as an engineer and project manager in the oil and gas industry, but Mayank’s background and professional interests lie in the area of pipeline condition assessment and rehabilitation. He is PACP, MACP, and LACP certified and is a member of the Water Environment Federation’s Collection Systems Committee.

Mayank recently graduated from Virginia Tech in June 2017 with a masters’ degree in the research area of pipeline asset management. His research concentrated on Holistic Life Cycle Cost Analysis of Drinking Water Pipelines. He is a motivated individual driven towards improving the industry standards and practices, and contribute towards the growth of the pipeline industry.

Please help us in welcoming him! He can be reached at 410-442-7473 or by email at mayank@nassco.org.

NASSCO Working for YOU!

by Heather Myers, Operations Manager

This year’s Semi-Annual meeting in focused on how NASSCO is working for your benefit. You can read more about it on page 3, but I’d like to focus on one of the ways here...Can I get an Education?

NASSCO is hard at work providing new ways to educate you whether you are new to the industry or a seasoned professional. From the Manhole Assessment, Lateral Assessment and Inspector Training for CIPP Recertification Programs to hosting Webinars on different topics of interest and everything in between.

If you didn’t know, there is a Supplemental Education section on our website that also includes other training opportunities that may be of interest to you. Check it out here: https://www.nassco.org/supplemental-education

Like a most of our programs, we couldn’t do this without our members help and input. If there is training you’d like to see offered, please let us know by emailing Mayank Khurana at mayank@nassco.org.

On another note, I’d like to thank the sponsors of our 2017 Semi-Annual Meeting and Networking Receptions. See page 22 for a special shout out those who made it happen!
Recent reports have questioned the safety of the CIPP process, specifically the use of styrenated resins with steam curing of the product. Please make sure you know the facts.

**WHO is making these claims?**

- The primary report we are responding to was published in July 2017 by Purdue University, and is titled Worksite Chemical Air Emissions and Worker Exposure during Sanitary Sewer and Stormwater Pipe Rehabilitation Using Cured-in-Place Pipe (CIPP).

**WHY should I care?**

- Safety is our number one priority. Our intention in responding to these claims is to build upon the foundation of ASCE’s Code of Ethics’ First Canon – “To Hold Safety Paramount”.
- NASSCO and other industry leaders believe the Purdue report and preliminary data was published only to justify further research, and is not conclusive.
- Fear tactics are being directed to engineers and municipalities by individuals who could benefit if the CIPP products required the incorporation of their products in the future.
- Since the Purdue report was published, more cities and other utilities are asking NASSCO about the safety of the CIPP process.
- Our ultimate goal is to leave no stone unturned in the discovery of facts pertaining to the properties and outcomes of CIPP. Without this discovery and pursuit of truth, an entire segment of our industry could be negatively affected.
- There is not a technology that can replace the volume of pipes currently being rehabilitated using CIPP. Sewers that need to be rehabilitated would be put on hold, while suffering from infiltration and exfiltration, overflows and higher treatment costs.

**WHAT is NASSCO doing about it?**

- We have formed a workgroup with other industry leaders including NASTT, ACMA, WRc, WE&RF and NSF, among others.
- We are facilitating a formal review of the Purdue study, as well as other studies on the topic, to include additional sampling and analysis of emissions during the field installation of CIPP using the steam cure process.
- Research will be peer-reviewed to challenge or confirm the Purdue report. We will honor the findings and act accordingly.
- The study will be conducted by a third-party group consisting of academia in conjunction with a professional environmental consultant with knowledge and experience in CIPP technology.
- We are updating our “Guideline for the Use and Handling of Styrenated Resins in Cured-in-Place Pipe” to provide best practices for contractors to mitigate potential risk.

**HOW can I help?**

- Know the facts and be prepared when you are approached by media and others who may question the safety of CIPP. Do not guess – if you need help responding, call on us to help.
- Read this short article: https://trenchlesstechnology.com/trenchless-last-word-is-cipp-safe/
- Follow NASSCO’s LinkedIn and Facebook pages and share our posts pertaining to this subject on your personal and corporate social media sites.
- Email Mayank Khurana at mayank@nassco.org if you encounter questionable articles or negative sales tactics on the subject.

**WHERE can I learn more?**

- The “What’s New” section on the home page of www.nassco.org is continually updated with the latest news on the subject.
Thank you to everyone who participated in NASSCO’s semi-annual meeting and networking reception held at WEFTEC in Chicago. This year’s meeting provided a Half-Time Report on the many initiatives that are underway at NASSCO. It is always exciting to see the progress being made throughout the year and how it is benefiting you. Thanks to an active membership and enthusiastic staff, we are nearing completion on several of our strategic objectives.

• MACP and LACP Recertification – As modifications have been made to streamline MACP and make both MACP and LACP more user friendly, NASSCO has established an online recertification program for both. Recertification for these online programs will be free, but they can also be provided by NASSCO certified trainers in a classroom course. Benefit to YOU: Keep employees up to date; Free online access.

• NASSCO Manual of Practice – With a concerted effort by virtually all of our technical committees, in addition to the WEF Collections System Committee, the updated Manual of Practice should be available early next year. This new version will include current inspection and rehabilitation technologies, and has been restructured to include a logical format from Asset Management to project execution. Benefit to YOU: Access to learn best practices in the underground utility industry; Reference for future online continuing education.

• ITCP-CIPP Version 4 – Classes for the new version started in October. Version 4 includes updated information about CIPP inspection techniques critical to successful installation. We are currently working on a recertification program to keep inspectors up-to-date. Benefit to YOU: Inspectors trained in latest technology = consistent inspections and better installation.

• ITCP MA Partnerships – We are increasing the number of WEF Member Associations (MA’s) that are participating in ITCP training. In addition to the CWEA, we are now providing this valuable training in Kentucky, Alabama, and Virginia. Benefit to YOU: More jobs specifying associated technologies.

• NASSCO Website – It’s been a long road with more ahead, but we passed a significant milestone in educating trainers how to use the website to create and manage their classes. NASSCO processes over 3,000 certificates per year, which can cause a significant lag time between completing classes and issuing certifications. We updated our process for managing the large amounts of data associated with this training, and once all trainers use the system, management of this data will be more efficient and accurate. Benefit to YOU: More efficient processes; increased data accuracy and self-help features.

All of this could not happen without out the many volunteers and consultants we have working with us, but I’d also like to take a minute to introduce the NASSCO staff that is responsible for supporting our members:

• Heather Myers – If you don’t know Heather, you are either new to the industry or live in a cave. As Operations Manager of NASSCO, Heather manages the day to day activities of NASSCO, from finances to overseeing website development. If you want to learn more about Heather, get the November 2017 edition of UCT Magazine and read the most recent Standards Bearer article!

• Dawn Jaworski – Dawn has been a part of NASSCO for over 7 years, and we are proud to say that she was recently promoted to Communications and Online Training Manager. You have likely spoken with Dawn if you have called our office. In her new position, she will be facilitating and expanding use of online training for recertification and other topics, but she really

(continued next page)
(continued from previous page)

looks forward to working more closely with the members to make sure you are getting the most from the association.

• Kathie Lloyd – Kathie has been working part-time with NASSCO for over 2-years, but she finally decided to become a full-time NASSCO employee as Administrator and Training Program Coordinator! Kathie will primarily support our certification programs, but over the years she has become intimately familiar with our operation, and may likely be your first point of contact when you call the office.

• Mayank Khurana – We were fortunate to bring Mayank into the team in July, and he has been doing great work in supporting our technical committees as well as NASSCO’s overall strategic plan. You can read more about Mayank in this issue.

We don’t want to lose sight of our accomplishments, but more importantly we cannot lose sight of the exceptional people that have kept NASSCO moving forward. I’d encourage you to reach out to any of these individuals and thank them for their support!

Regards,

Ted DeBoda, P.E.
Executive Director
HIGH QUALITY.
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Look Closer.

You have probably heard about the flurry of activity precipitated by the Purdue study that questioned the safety of steam exhaust emissions on CIPP steam cure job sites. Job site measurements detected styrene and other organic chemicals. Although finding styrene was not a surprise, the level of some readings raised questions and certainly should be verified. However, the presence of other organic chemicals did get our attention, and further investigation is need to determine the presence, level and effect of any of these organic chemicals.

As a result, NASSCO issued a Request for Proposals (RFP) for Phase 1 of a two-phase study. Phase 1 consists of a literature review of papers and reports on the subject matter and a scope of services for Phase 2, which involves air sample testing on CIPP steam cure job sites. A separate RFP will be issued for Phase 2. The work in Phases 1 and 2 will be conducted by third party entities, independent of NASSCO.

Testing on CIPP job sites has become a popular topic. Recently I attended the Trenchless Technology Center (TTC) Industrial Advisory Board annual meeting and learned that the State of Louisiana has issued an RFP to investigate CIPP chemical emissions. In addition, Louisiana Tech may fund what could be considered a Phase 3 study – a look at mitigation technology for any possible harmful discharges from CIPP job sites.

I say the more data, the better. From the start of this CIPP emissions activity and the decision that NASSCO would facilitate an industry emissions study, there have been two general objectives:

a. To protect the safety of workers and the public.

b. To find the truth regarding CIPP steam cure emissions, and, as required, improve CIPP installations through best practices and safety recommendations.

The CIPP ITCP program update is finished! It took over two years and a lot of participation from ITCP CIPP trainers and NASSCO committees. In particular, I would like to thank Ted DeBoda, Heather Myers, Gerry Muenchmeyer, Rocky Capehart and Tim Back for their help writing and/or reviewing parts of the manual. In addition, Stacy Passaro and Mayank Khurana helped assemble the entire manual document and get it published. There were several others too numerous to list. Gerry, Rocky and I have classes planned, so the program is moving again. No doubt there will be bugs to work out, but that’s just part of the process.

Until next time, get involved when you can.

Sincerely,

Lynn Osborn
Technical Director

The CIPP ITCP program update is finished! It took over two years and a lot of participation from ITCP CIPP trainers and NASSCO committees. In particular, I would like to thank Ted DeBoda, Heather Myers, Gerry Muenchmeyer, Rocky Capehart and Tim Back for their help writing and/or reviewing parts of the manual. In addition, Stacy Passaro and Mayank Khurana helped assemble the entire manual document and get it published. There were several others too numerous to list. Gerry, Rocky and I have classes planned, so the program is moving again. No doubt there will be bugs to work out, but that’s just part of the process.

Until next time, get involved when you can.

Sincerely,

Lynn Osborn
Technical Director
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.

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From the Committees

Software Vendor Committee
Ronnie Flannery (AquaData), Chair Person
Last meeting: 11/7/2017

We have now started scheduling monthly meetings – every first Tuesday of the month. We have been discussing items related to certification, application of the data dictionary vs. instructions in the manual, compatibility of current version and previous version of PACP/MACP/LACP and if re-certification of software following changes in the manual is required at this time. We are also looking at the certification process as a whole and see how it can be improved with the creation of the Vendor Certification Work Group.

Manhole Rehab Committee
Craig Gaul (Parson Environmental), Chair Person
Last meeting: 11/9/17

The Committee is expecting to have chapter revisions for ASCE MOP92 completed sometime in November. Our second article for Trenchless Technology magazine was published that focused on proper surface preparation prior to application of linings/coatings. The next is due by January 1 for publication in the February issue and will discuss leak stopping techniques. Signage for the Rehab Zone has moved forward and is entering the design stage.

Action Items Completed:
• First and second articles completed for Trenchless Technology magazine
• Set schedule dates and topics for TT articles

Action Items In-progress/Pending:
• MOP92
• TT article
• Working with Rehab Zone Committee on new signs for display

Pressure Pipe Committee
Jennifer Steffens (Pure Technologies), Chair Person
Last meeting: 4/17/17

The primary focus of the committee has been the development of a WEF webcast on the Evolution and Applicability of Pressure Pipe Rehabilitation. The webcast was completed on November 1st with approximately 170 attendees. The presenting panel will also be present at 2018 UCT conference as part of the Pressure Pipe track.

Action Items Completed:
• WEF webcast
• Trenchless Technology article, September

Action Items In-progress/Pending:
• UCT 2018, February
• Trenchless Technology article, April
• Rehab Technology Matrix
• Spec Guide for end seals

Asset Management Committee
Jim Harris (Jacobs), Chair Person
Last meeting: 10/19/17

Our main tasks have been to consider how we can coordinate with TTC BAMI-I CTAM materials that include review and potential update. We are also considering how we can participate in seminars and lectures at La Tech associated with asset management, condition assessment and rehabilitation.

We continue to review how we can improve the TAG-R process and provide brief case studies to PACP-based Risk Management.

Lateral Committee
Brendan Doyle (BLD Services), Chair Person
Last meeting: 9/12/17

The CIPP lateral lining specifications have been reviewed, approved and posted on the NASSCO website. This includes the lining of laterals with and without the connection seal at the mainline interface. We are working on a webinar for March 15th of 2018. We have published one article and are working on two additional articles for the near future. The lateral rehabilitation presentation has been updated based upon feedback from the Committee members and being presented at several shows across the Country.

(continued on page 10)
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- 6 in. - 54 in. Diameters Available

Lateral Lining
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- Performance Liner® CIPP Lining
- Lining Through A Cleanout

Cleanout System
- ASTM F3097 Compliant
- VAC-A-TEE® Saddle Kits
- Minimally Invasive Installation
- Easy to Install

Mainline Repair
- ASTM F2599 Compliant
- Inverted In-Place Sectional CIPP Lining

Manhole Rehabilitation
- ASTM F3033 Compliant
- Cured-in-Place Manhole Full Depth Liner System
- Cured-in-Place Manhole Shorty Liner System
- One Size Fits Most

To learn more, call or visit us at:
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info@lmktechnologies.com
More From the Committees

Action Items In-progress/Pending:
- Structural Grout/Epoxy Injection specification/guideline
- Additional articles
- Tech Tips

Infrastructure Assessment Committee
Laurie Perkins (Wright-Pierce), Chair Person
Last meeting: 10/6/17

*Meetings are now scheduled for the 1st Friday of every month at 11am Eastern, sometimes 12pm.
Below is a brief summary of the committee’s activities:

1 – MACP/LACP online recertification complete, to be released January 2, 2018
2 – Updates to describe Atypical Structures for use in MACP have been drafted, reviewed and are ready for incorporation into the manual. Changes that do not impact the data dictionary will released as version 7.0.3 in early 2018.
3 – Crossbore workgroup developing language for PACP
4 – Task force for PACP Version 8.0 (2020) being established. The first meeting is anticipated for April 2018.

Other Action Items Completed:
- Articles submitted to Tech Tips, TT magazine, and WE&T Defect Detective.
- Developed schedule for articles and building backlog of articles for use by NASSCO

Action Items In-progress/Pending:
- Intro to PACP
- Risk Management/Materials Training online
- Crossbore guidelines, Condition Grade updates

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2017-2018 Training Calendar

Go to nassco.org to view the entire calendar!

December 2017

PACP Classes
December 4-6: Knoxville, TN
December 5-7: Greenville, SC
December 5-7: Spokane, WA
December 5-7: Roseville, CA
December 5-7: Chinchilla, PA
December 5-7: Marriottsville, MD
December 5-7: Wharton, NJ
December 6-7: Langley, BC - Canada
December 11-13: Johnson City, TN
December 12-14: Tucson, AZ
December 12-14: Roanoke, VA
December 12-14: Hamilton, OH
December 12-14: Orlando, FL
December 19-21: Virginia Beach, VA

PACP 1-day Recertification Classes
December 1: Northville, MI
December 8: Langley, BC - Canada
December 11: Tucson, AZ
December 12: Marriottsville, MD

ITCP -CIPP Classes
December 4-5: Newport News, VA
December 14-15: Riverside, CA

ITCP -Manhole Rehab Classes
December 17-18: St. Paul, MN

January 2018

PACP Classes
January 2-4: St. Louis, MO
January 3-5: Mason, OH
January 9-11: Birmingham, AL
January 9-11: Whitestown, IN
January 9-10: Arcata, CA
January 15-17: Marriottsville, MD
January 16-18: Des Moines, IA
January 16-18: Northville, MI
January 23-25: Antioch, CA
Jan 30- Feb 1: Durham, NC

PACP 1-day Recertification Classes
January 19: Northville, MI
January 22: Santa Clara, CA

ITCP -CIPP Classes
January 16-17: St. Paul, MN

ITCP -Manhole Rehab Classes
January 17-18: St. Paul, MN

February 2018

PACP Classes
February 6-8: Charlotte, NC
February 6-8: Roseville, CA
February 6-8: Twinsburg, OH
February 20-22: Oklahoma City, OK
February 21-23: Las Vegas, NV
February -March 1: Milwaukee, WI
February-March 1: Wharton, NJ

ITCP -Manhole Rehab Classes
February 21-22: Seattle, WA

March 2018

PACP Classes
March 6-8: Orlando, FL
March 13-15: Joliet, IL
March 20-22: Bolton, OH

ITCP -CIPP Classes
March 7-8: Carlsbad, CA

Go to nassco.org for contact information associated with each class listed here.
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Free Sewer Inspection and Maintenance Training Guidebook

by Venay Sehgal Bhatia

According to the US Department of Labor Statistics, a staggering 74% of employees aren’t achieving their full potential at work due to lack of proper training. The stakes are particularly high when it comes to sewer inspection and maintenance, where deteriorating infrastructure and dwindling budgets make worker efficiency imperative. Even municipal employees who are equipped with state-of-the-art sewer inspection technology, PACP-certified software and safety equipment will fall short if not given the proper training.

To help municipal managers and sewer rehab contractors quickly train new employees, Envirosight has published a new resource entitled Sewer Maintenance 101: A Quick and Dirty Guide to Sewer Inspection and Upkeep. It’s an easy-to-use reference guide to help industry newcomers get quickly up to speed on sewer infrastructure, best practices, safety and terminology. This guidebook introduces everything from the basic components of a sewer system to why using comprehensive sewer asset management software is important. It also provides links to resources from the EPA, NASSCO and OSHA for more in-depth study.

This guidebook is an ideal reference tool for someone new to the industry seeking an introduction to sewer inspection and maintenance or as a quick reference for your most seasoned crew members. Request a FREE printed copy of Sewer Maintenance 101: A Quick and Dirty Guide to Sewer Inspection and Upkeep today.

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January 2018

UCT
January 30-February 1, 2018
New Orleans, LA
http://uctonline.com/

Underground Construction Technology International Conference & Exhibition (UCT), is the meeting place for business-professionals involved in maintaining the underground utility pipe infrastructure.

February 2018

WWETT
February 21-23, 2018
Indianapolis, IN
https://wwettshow.com/

The Water & Wastewater Equipment, Treatment & Transport Show (WWETT) is the world’s largest annual trade show for environmental service professionals. The event offers an unmatched educational program, an array of networking opportunities, and an extensive expo floor where buyers and sellers come together to see and experience the latest product innovations and technology.

March 2018

NASTT’s No-Dig Show
March 25-29, 2018
Palm Springs, CA
http://www.nodigshow.com/

NASTT’s No-Dig Show is the largest trenchless technology conference in North America, where professionals attend to learn new techniques that will save money and improve infrastructure. The overall No-Dig program is focused on one objective: helping you maximize your investment in trenchless technologies, services and applications.

April 2018

WEF Collections Systems
April 8-11, 2018
Virginia Beach, VA
https://www.wef.org/CollectionSystems

Collections on the Coast - Investing in a Sustainable Future

NASSCO Annual Conference - New Dates!!!
April 11-14, 2018
San Antonio, TX
La Cantera Resort & Spa - Hill Country
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Join us for our Annual Conference to network with your peers, get involved in our active committees and participate in our round table discussion during the reformatted technical day!

July 2018

UESI Pipelines Conference
July 15-18, 2018
Toronto, ON , Canada
https://www.pipelinesconference.org/

The conference will provide a forum for pipeline engineers and practitioners from all around the world to share their experiences in meeting the challenges of today’s pipeline infrastructure. It will provide a dynamic and inspiring venue for participants to share and gain valuable knowledge related to planning, designing, constructing, renewing, operating, managing and maintaining the lifeline assets.
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NASSCO’s Sewer History Exhibit

**Educating With History**

Each year NASSCO’s Sewer History Exhibit travels the country educating people at different local shows and national conferences. The staples include WEFTEC, UCT, and WWETT which are funded by generous sponsorship by our members, however we do also consider requests to rent the exhibit. If you are interested in renting the exhibit, please email Heather Myers at heather@nassco.org.

In the meantime, we’d like to thank our current sponsors. We couldn’t do it without you!

- BLD Services
- Cretex Specialty Products
- Green Mountain Pipe Services
- Maxliner/Applied Felts
- Nozzteq
- Pipelogix, Inc.
- Pro-Pipe
- Vactor Manufacturing

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Vacuum Truck Rentals Opens Two New Branches In Florida and Metro Detroit

Richland, MS – Vacuum Truck Rental, based in Richland, Mississippi, opened its newest branches this summer in Livonia, Michigan and Lakeland, Florida. As VTR’s first Florida location, the Lakeland branch is strategically positioned to serve the entire state with a complete line of vacuum and pipeline inspection equipment; the Livonia (Metro Detroit) branch offers coverage to the entire upper Midwest. Vacuum Truck Rentals serves the petrochemical, utility, municipal, industrial and manufacturing markets with a dedicated fleet of equipment from top rated manufacturers. Their fleet of equipment includes DOT/ASME rated vacuum tankers and trucks, vacuum excavators, sewer cleaning equipment, industrial air movers, roll-off equipment, and truck mounted and portable sewer inspection units.

Florida branch manager Glenn Eichler has over 22 years of experience in commercial vehicle sales, including 11 years working with vacuum trucks and related equipment. Michigan branch manager Mike Suiter has served this market space for almost 20 years. His experience started in Hydraulic Tools and Systems and grew to include specialization in Soft-Dig Applications with Hydro-Excavation Equipment, NASSCO Sewer Cleaning Best Practices, and Hazardous Waste Hauling with DOT Rated Vacuum Systems. The complexity of the truck manufacturing market makes their experience invaluable in helping VTR’s customers find and rent the equipment that suits their needs.

Both offices are open Monday through Friday from 7:00 a.m. till 5:00 PM local time and Saturday by appointment, along with 24/7 Service Support.

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For more information, contact Rainee Scott at (601) 933-4650 or email at rscott@vactruckrental.com.

Founding Owner of State Pipe Services, Inc. Announces Retirement

After 47 successful years, Frank M. Burns, Founding Owner of State Pipe Services, Inc. of Cranberry Township, Pennsylvania, has announced his retirement from his most treasured activity-work. He and his wife Marylin intend to take it easy and travel with the wind to spend time with their friends, children, grandchildren and their ever growing brood of great-grandchildren.

In 1971 starting with no more than a vision, a strong back, some second-hand equipment and one paying customer, Frank saw and acted on the opportunity to provide pipe inspection, pipe cleaning, new pipe installations and shortly began to introduce innovative trenchless rehabilitations to the antiquated & growing Western Pennsylvania’s municipal sanitary sewer infrastructure.

Today State Pipe Services Inc. is and will continue to be a leader in the Municipal Sewer Infrastructure Inspection and Rehabilitation Industry. With more than 60 dedicated & well-seasoned employees, a fleet of state of the art CCTV inspection & sewer cleaning trucks, HDPE pipe bursting equipment, and a forte of trenchless installations, State Pipe Services will now be led into the future by Frank’s trusted friend & business colleague Tom Morris and his 3 children Scott Burns, Dave Burns and Amy Orr.

Frank, thank you for your dedication to your community, employees, suppliers and valued customers and may you have a long and enjoyable retirement.
Crescent City Hosts Business Event For Underground Utility Industry

Great things happen when like-minded people are in the same room, in an atmosphere conducive to learning and conducting meaningful business. That “room” is Underground Construction magazine’s premier business event, Underground Construction Technology International Conference & Exhibition (UCT). Learn and network in the fun city of New Orleans, LA, at the Ernest N. Morial Convention Center, Jan. 30-Feb 1. UCT’s unmatched educational experience supports the business objectives of everyone involved in underground utility pipe construction and rehabilitation. There’s even a course for engineers needing to fulfill the ethics requirement for the annual license renewal. The natural synergies between the equipment and technologies, and case studies and seminars, make for a focused program. Academic and industry partners offer seminars before and after UCT, providing you with greater learning possibilities. By attending the entire program, you can earn up to 30 PDHs (Professional Development Hours). CEUs (Continuing Education Units) are available, too.

Networking opportunities during UCT help to expand your business and connections. In addition to the educational program, additional networking opportunities include: mid-morning coffee service, the annual MVP luncheon, exhibit hall lunch on Tuesday and Wednesday, Tuesday evening welcome reception, Wednesday happy hour, Thursday breakfast and other exhibitor hosted parties!

Whether your preference is face-to-face networking in the exhibit hall, the touch and feel aspect of new technologies in the RehabZone or the comprehensive learn and earn educational program, UCT is the only true business event in North America for the underground utility industry. Here you will get the depth and variety of trenchless and open-cut equipment and services from manufacturers within the U.S. and abroad.

Remember, UCT helps you do business, better. View the program and register today at UCTonline.com

Do Business, Better.

Join your colleagues at UCT in New Orleans, LA, Jan. 30-Feb 1, 2018. It’s the premier business event for underground utility infrastructure professionals.

- Earn up to 30 PDHs
- Understand technologies & products displayed in the exhibit hall
- Network with suppliers
- Trenchless and open-cut technologies presented
- Discounts for multiple attendees from the same company

UCT 2018 – Real Business in the Big Easy.

View the program and register at UCTonline.com
MARK YOUR CALENDAR!

Wednesday, April 11 to Saturday, April 14, 2018
La Cantera Resort & Spa
San Antonio, TX

Don’t miss out on this amazing venue and excellent opportunity to learn, network, and contribute to our industry.

TENTATIVE SCHEDULE OF EVENTS:

**Wednesday, April 11**
- 7:00 AM- 11:00 AM Board Meeting
- 1:00 PM- 5:00 PM Golf Tournament
- 7:00 PM- 9:30 PM Welcome Reception

**Thursday, April 12**
- 7:30 AM- 8:00 AM Continental Breakfast
- 8:00 AM- 12:00 PM General Meeting
- 12:00PM- 12:30PM Lunch
- 12:30 PM- 4:00 PM Committee Breakout Meetings
- Guest Tour
- Thursday Evening Open for Networking

**Friday, April 13**
- 7:30 AM- 8:00 AM Continental Breakfast
- 8:00 AM- 1:15 PM Technical Day
- 1:30 PM- 4:00 PM Committee Breakout Meetings
- 6:00 PM- 7:00 PM Cocktail Reception
- 7:00 PM- 11:00 PM Awards Banquet and Entertainment

**Saturday, April 14**
- 8:00 AM- 11:00AM Board Meeting

BOOK YOUR ROOM NOW - THEY FILL UP FAST!
Mention NASSCO and receive a special rate of $259 per night, plus tax.
Call: 855-499-2960
Click: www.destinationhotels.com/la-cantera-resort-and-spa/resort
For more information visit nassco.org

Registration information will be available in January 2018
Year after year, networking event after networking event, our members generously sponsor so that we can enjoy ourselves while networking with other industry leaders at NASSCO events. This year’s Semi-Annual Meeting and Networking Reception were no different. Thank you to all who sponsored!

**PLATINUM SPONSORS**

- Applied Felts
- BLD Services, LLC
- Green Mountain Pipeline Services
- NozzTeq
- PiPELogix
- ProPipe
- Vactor

**GOLD SPONSORS**

- LiquiForce Services USA, Inc.
- New Phase Marketing

**SILVER SPONSORS**

- Raven Lining Systems
- United Survey, Inc.
Pipeline Assessment & Certification Program Announcements

MACP/LACP Recertification
NASSCO has just completed the recertification programs for MACP and LACP, which will be available January 2, 2018. What does this mean for you if you are certified in these programs?

1. Anyone who is due for PACP Recertification will also be required to be recertified in MACP and LACP.

2. If you are MACP and LACP certified, but are not due for Recertification in PACP, your MACP and LACP certification will expire at the same time as your PACP certification.

3. NASSCO’s recertification policy is posted on the website here: https://www.nassco.org/content/pipeline-assessment-pacp

PACP Version 7.0.3
Version 7.0.3 of PACP is in the final stages of development. What does this mean?

1. As of January 2, 2018, the new version of the manual will be available and any training beyond that point will be in 7.0.3.

2. An Errata sheet will be posted on nassco.org along with the pages that have been updated. This will allow you to update your manual from version 7.0.2 to version 7.0.3 easily.

3. Anyone who still has a version 6 manual will need to purchase a replacement manual as the changes from version 6 to version 7 were substantial and affected most pages of the manual.

If you have any questions about this, please email Mayank Khurana at mayank@nassco.org.
Robust design in a portable package.
Introducing the Mobile pro

Rausch has offered premium inspection equipment worldwide for over thirty years. Our advanced camera systems include modular upgrades for laser profiling and lateral launching, all from a single tractor platform.

Rausch is proud to introduce the Mobile pro, our new portable mainline system. The system features a lightweight cable reel and built-in 12” monitor and control unit that fits in a 17-inch square footprint.

Featuring the Cubix 300 motorized cable reel loaded with up to 1,000’ of cable, our new mobile TV inspection system provides a professional and cost-effective solution that can fit in the bed of a truck or ATV.

The high quality Rausch C 135 camera/tractor unit is industry-breaking, allowing the new Mobile pro system to outperform systems four times its size.

www.rauschusa.com