



Safety News

Dedicated to ensuring the safest and healthiest working environment for our members

Spring 2019 | Issue 15

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Our Vision

The United Association and its local unions will apply its best practices and resources to build the best educated and safest workforce in all sectors of the piping industry.

Message from Cheryl Ambrose Health, Safety and Environmental Administrator



2019 is off to a great start! I have had numerous opportunities to engage in discussions around safety with many people, both inside and outside the UA. I was privileged to speak at the MCAA Safety Directors' Conference in Orlando in January on

the UA Standard for Safety. Prior to that, I was honored to present on two occasions and share the UA's journey around the UA Standard for Safety and the Safety Culture for Front-Line Leaders training with groups at the Department of Energy (DOE). The first opportunity came in December to the Energy Facilities Contractors Group at our joint meeting with the Labor Training Working Group at the Department of Energy's National Training Center in Albuquerque, NM. The second opportunity followed in January when I was invited to present on the same topic to the DOE's Safety Culture Improvement Panel meeting in Washington DC.

I am always very proud to speak on behalf of the UA about our safety initiatives but none more so than at our UA events, most recently the 2019 Pipe Trades Training and Technology Conference (PTTTC) in San Diego, the Newly Elected Business Managers Seminar, and New Training Director/Coordinator Meeting held in Annapolis.

A huge thank you to everyone who presented at the conference workshops or helped with the safety booth. For

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sharing their time, knowledge and expertise, thank you to Pete Chaney with the MCAA, Ted Giltz with the DOE National Training Center, Josh Franklin with the Board of Certified Safety Professionals, Clint Wolfley with UCOR/AECOM, and Mike deSimon with Mosaic Learning. A big thanks to Jeff Berger with Local 322, Rita Neiderheiser with Local 669, and UA Special Representative Phil Martin for their contribution to the workshop sessions and at the expo.

Attending my first PTTTC, having the opportunity to speak before our training directors and coordinators, and also present at a workshop on the UA Standard for Safety and our Safety Culture for Front-Line Leaders course, was one of the highlights of my time with the UA. You see, it is the hard work at our locals and within the training centers across the UA where the rubber meets the road, where the ideas and initiatives become real for the members. Until we take ideas and initiatives and put them to use for the membership, what we do and talk about are simply ideas. Getting to engage with business managers, training directors and coordinators, while exchanging ideas, and hearing about and seeing those initiatives take hold at the local level is one of the best parts of what I do. ■

Safe Bolting Training—Will You Be Ready When Your Contractors Demand It?

“I’ve been doing this for 20 years. What can they teach me about bolting? How could the training possibly take eight hours?”

These are common questions journeymen ask when faced with the requirement to take a course like OSHA 7110 Safety Bolting Practices. So why is it necessary? Because the industry demands it.

Fortunately, the United Association has a growing bench when it comes to having qualified instructors who can meet demands like this one—and two of those individuals are Rocky Pompa of Pipefitters Local 342 in Oakland, CA and Paul Stout from Pipefitters Local 597 in Chicago, both OSHA 7110 Safe Bolting Master Instructors. Brother Stout is also an ASME auditor and instructor.

Brother Pompa from Local 342 was recently audited and authorized by CPWR to become an OSHA 7110 master instructor. With the assistance of Brother Stout, Rocky was audited by CPWR’s Spencer Swegler and Mike Kassman on March 2, 2019 during an OSHA 7110 course held at Local 597’s training center in Crown Point, IN.



Paul Stout, Local 597 (on left) and Rocky Pompa, Local 342 (on right) instructing during the OSHA 7110 course in Crown Point, IN.

“Paul Stout was instrumental in helping me with advice, coordination with ASME, OSHA, audits etc. Without his help, Local Union 342 would not be where we are with ASME PCC1 and OSHA 7110,” said Brother Pompa. “This is a huge milestone that has been very educational and such a positive experience we are all very proud of. This training will prove to be valuable and ensure that we protect our market share while meeting the demands of the industry. I look forward

to getting started training the membership and bringing on board instructors to meet these demands.”

The United Association currently has two locals (Local 597 and Local 342) that hold an ASME Qualified Bolting Specialist (QBS) Approved Training Provider (ATP) status. There are currently three locals (Local 597, Local 342, and Local 455) that employ OSHA 7110 Safe Bolting Principles and Practices Master Instructors. There is now an established process by which locals can provide third-party approved bolting training for our members. The experience of Brothers Pompa and Stout can illuminate the pathway towards this increasingly important training.

A UA pipefitter for 25 years, Rocky Pompa began the path to become an instructor when he attended the ASME PCC-1 Course offered at the Instructor Training Program (ITP) in 2016. He followed up by attending UA 2154 Safe Bolting offered at ITP in 2017. In 2018, UA Local 342 began the process to be approved as an ASME PCC-1 Approved Training Facility (ATF). Local 342 was approved by ASME as an Approved Training Facility in November 2018. As part of the ASME approval process, Rocky Pompa became an ASME PCC-1 Approved Training Instructor (ATI) at the same time. ASME PCC-1-2013 “Guidelines for Pressure Boundary Bolted Flange Joint Assembly” brings together current industry best practice into one document. Appendix A, “Training and Qualification of Bolted Joint Assemblers,” provides guidelines for establishing uniform criteria for training and qualifying bolted joint assembly personnel, as well as guidelines for quality control of the program. These guidelines are unique in the world for addressing issues with the assembly of pressure vessel and piping bolted joints from a standards perspective. They address subsequent advances in gasket technology, bolting assembly procedures, and calculation methods that have enabled the improvement of both the integrity and efficiency of bolted-joint assembly.

Brother Stout first became aware of the need for this training in 2013. By 2016, when he was working for a local contractor, he realized that the training he had first heard about in 2013 was now an approved specification by BP—and Local 597 would have to play catch up. Brother Stout dedicated himself to developing this training, even though it required him to quit his current job and take a cut in pay.

The reason for this decision was based on two beliefs that he held. “First, every union tradesman has the obligation to pass his knowledge and experience on to the next generation even if that comes at a cost to oneself,” Brother Stout says. In noting the second reason, Brother Stout quotes the legendary author and speaker Zig Ziglar: “You can have everything in life you want, if you will just help enough people get what they want.” He began by reaching out to UA

Special Representative Phil Martin, then a training specialist in the UA's Education and Training Department. Through Brother Martin's advice, Brother Stout called on the expertise of Tom Chapdelaine and Pipefitters Local 455, St. Paul, MN, and Chris Krantz, training director of HYTORC. Chris Krantz and HYTORC were instrumental in helping the UA get their program off the ground in 2017 and continue to provide support.



Rocky Pompa (on left) during the OSHA 7110 course in March.

Over the next several months, Brother Stout continued to develop this training—and in the nick of time. In Local 597's jurisdiction there are several projects now requiring this training. Through hard work and persistence, the local now has more than 700 OSHA 7110 trained members, meeting the manpower demand in record time! This success was also facilitated by Local 597 OSHA 7110 Master Instructors Lynn Ramos and Kevin Lakomiak, who were audited and approved in 2018.

Brother Pompa also saw the demand for this training and through the assistance of Brother Stout, was able to create a program that will serve his local well.

There is great value in locals working together in this manner, and the experiences of Locals 342 and 597 will ensure that UA members are at the forefront of bolting training. However, in order to get the locals to the point where they could become ASME QBS ATP's and employ OSHA 7110 Master Instructors, it would mean relying heavily on non-union third parties—something that was unacceptable. Consequently, Brother Stout pursued additional training to become an ASME QBS trainer and auditor. The last step in that process was performing the final audit and training to qualify Local 342 as an ASME ATP. Immediately following that audit, Local 342 began the audit and training process for OSHA 7110 Master Instructor status.

This past February, Brother Stout completed the training and was approved by ASME as a QBS auditor. The UA now has their very own auditor who is willing and able to assist any local who has a need or would like to prepare for a possible future demand for this training. He is also in the process of becoming an ASME QBS live trainer. This process should be complete by early summer.

"All indicators point to an increased demand in the future," says Brother Stout, "I could not imagine what we would have done if these requirements were asked of us before we developed our training program. We completed it just in time."

The best place to start is with course UA 2154, which will be offered again at this year's Instructor Training Program and taught by Brothers Tom Chapdelaine, Local 455 and Brother Paul Stout. Participants in this course will be provided with the knowledge and skills to safely and properly assemble bolted flange joints. Attendees learn how to inspect, assemble, and tighten bolted joint connections using industry-required controlled bolting procedures, including pressure boundary flanged joint assembly practices, terminology, tooling, and related technical areas, including safety. Additionally, participants will become proficient in power torqueing and tensioning. Course participants will be able to teach the UA 2154 curriculum at their local upon completion of the course at ITP.

Consider this important training and how it can improve the safety and quality of the work your members perform, as well as secure critical work for your local unions. Reach out to Cheryl Ambrose (cambrose@uanet.org), the UA's Health, Safety and Environmental Administrator, to ask how you can begin your path to providing world class bolting training today. ■

Compliance in Safety—Is It Enough?

By Joshua Franklin, CSP, SMS, CET, STS, CPCU, ARM

Compliance: "conformity in fulfilling official requirements"
- Merriam Webster

In safety, health, and environmental (SH&E), training to the standard and a focus on compliance is ever present. But is it enough?

Not according to UA General President Mark McManus who, in his special message in the UA's Standard for Safety, writes "Complying with regulations is a beginning, but we know it is not enough to keep everyone safe. We must be willing to

raise the bar, deepen our commitment and our resolve, because there should never be a time when a brother or sister goes to work only to be injured doing the work that we do.”



Whether the standards are federal such as OSHA, or global like parts of NFPA, ISO, or ANSI, laws and regulations exist to

protect the people we love and work with every day. However, if you've been around a complex and fast-paced jobsite, you also know that compliance does not always ensure the safety of workers. Workers, and the systems they work in, while in full compliance with existing laws, can and do make errors leading to injuries and equipment damage. Whether the safety, health, and environmental (SH&E) standard hasn't been updated in decades (like many federal safety regulations) or ever-advancing building technology demands processes not entirely covered by existing standards, compliance is no longer enough for an organization dedicated to the safety and health of their workers. Mandatory compliance is simply the beginning, a point upon which excellence in safety can be built.

Excellence in safety and health begins with a commitment to a journey of continual improvement. For many people with responsibilities in SH&E, this commitment takes the form of an accredited certification in safety and health. The Board of Certified Safety Professionals (BCSP) provides ANSI-accredited certifications for supervisors, managers, and leaders at every level. BCSP certifications, such as the Safety Trained Supervisor Construction® (STSC®) and Construction Safety and Health Technician® (CHST®), provide credible third-party verification of experience, education and on-going learning, and also show both an organizational and personal commitment to improving the level of safety and health of those around you.

The STSC is intended for first-line supervisors or managers at any level, to include construction supervisors, managers, superintendents, forepersons, crew chiefs, and craftspeople who have responsibilities to maintain safe conditions and practices on construction job sites. These individuals may not have safety as a primary duty, but their knowledge of safety standards and practices ensures safer worksites.

STSC candidates have safety responsibilities that are adjunct, collateral, or ancillary to their job duties. Their main job duties are in a craft or trade, leadership, supervision or management, or a technical specialty. Candidates help employers implement safety programs at the worker level through supervisory, safety committee, or similar safety and health leadership roles. Safety tasks often include monitoring for job hazards, helping ensure regulatory compliance, training

employees in safety practices, performing safety documentation tasks, coordinating corrections for identified safety hazards within or among work groups, and communicating with safety specialists or management

The CHST is designed for individuals who are typically employed as safety and health specialists on construction job sites, serving in either full-time or part-time positions. These candidates are responsible for safety and health on one or more significant construction projects or job sites. They may work for an owner, general contractor, subcontractor, or firm involved in construction or construction safety.

Are you ready to deepen the commitment to safety? Ready for more than compliance checklists? Then take the first step today by contacting UA Health, Safety, and Environmental Administrator Cheryl Ambrose (cambrose@uanet.org) or visit www.bcsp.org to apply today.

Since 1969, the BCSP, a not-for-profit 501(c)(3) organization, has remained dedicated to setting and certifying technical competency criteria for safety, health, and environmental practitioners worldwide. Today, with fifty years of service and over 47,000 active certificants in 70 countries, BCSP continues to serve both organizations and professionals committed to the journey of improving the safety and health of the public. ■



Joshua Franklin is the Business Growth and Partnership Director for the Board of Certified Safety Professionals and a top-rated speaker at industry events. As a safety and professional development expert, Josh was recognized by the Deputy Assistant Secretary of Labor for outstanding service to safety and listed by the National Safety Council in the "Top 40 Rising Stars of Safety." Josh previously served in the United States Air Force as the Safety Career Field Manager where he led 741 military safety professionals worldwide.

Pursue excellence with the CHST and STSC Certification Preparation Course coming to the 2019 Instructor Training Program.



BLS Report Announces a Decline in Workplace Fatalities for 2017

The Bureau of Labor Statistics (BLS) announced at the end of 2018 that there was a small decline in workplace fatalities from 3.6 per 100,000 full-time equivalent (FTE) workers in 2016 to 3.5 in 2017. This translates to 5,147 workers who died on the job in 2017, compared to 5,190 in 2016. While construction had the highest number of fatalities of all industries, the overall number and rate declined for 2017. Construction had 971 fatalities, compared to 991 in 2016, and the fatality rate dropped from 10.1 in 2016 to 9.5.

Deaths from falls reached an all-time high in 2017 with 887. NABTU President Sean McGarvey stated in a recent press release, "Workplace fatalities are of great concern to North America's Building Trades Unions. While both the rate and number of construction workers fatalities decreased in 2017, any loss of a worker on the job is too many. These tragedies are preventable."

He went on to stress the importance of CPWR's Campaign to Prevent Falls in Construction (www.stopconstructionfalls.com). See information in this issue on how to get involved.

Michigan Adopts Tougher Lead Level Restrictions

On February 12, 2019, Michigan became the first state to adopt stricter limits on how much lead workers can have in their blood. According to an article in Bloomberg Environment, the recent public health crisis in Flint, MI helped prompt the state government to tighten the rules. The new rules for construction and general industry reduced thresholds for blood lead levels by 40% from previous levels. The old levels were based on medical and scientific information that was more than 35 years old. (www.bloombergenvironment.com) The blood lead level triggering the transfer of an employee is 30 micrograms per 100 deciliters of blood.

The previous level was 50 micrograms per deciliter. California and Washington are considering similar changes to their lead standards. Federal OSHA plans to issue a rule proposal in the spring of 2019.

ANSI A92 – Aerial Work Platform Standard—Why Is It Changing?

The American National Standards Institute (ANSI) and the Canadian Standards Association (CSA) create standards that govern the design and use of aerial work platforms



across North America. The last big change to these standards took place in 2006.

New ANSI standards for the U.S. were published in December 2018, while new CSA standards for Canada were published in May 2017. Under the new standards, aerial work platforms (AWPs) are now referred to as mobile elevating work platforms (MEWPs) and are classified differently into Group A and Group B. Group A

covers MEWPs with platforms that move vertically but stay within the tipping lines, such as scissor lifts. Group B covers all other MEWPs also known as boom-type MEWPs where the platform extends past the machine's chassis. The new standards address new requirements for machine design, safe use and training. ■

ANSI A92 Additional Resources

[Your Guide to Understanding ANSI & CSA Standard Changes](#) - JLG

[ANSI A92: A Guide to the Aerial Lift Standards Coming Soon](#) - United Rentals

[Addressing the Challenges of the Upcoming Changes to the ANSI A92 Standards](#) - Genie

OSHA 510 Standards Class Visits UA Headquarters

First OSHA Course Held in New UA Education Conference Center

The OSHA 510 Standards Course was held recently at the United Association headquarters in Annapolis, MD in the newly completed UA Education Conference Center. Seventeen UA members attended the training course held by the International Training Fund (ITF). The course was taught by



UA OSHA Master Instructor Kevin Hendrickson (Local 533, Kansas City, MO) and OSHA Secondary Master Instructor Will Marable (Local 372, Tuscaloosa, AL). While in Annapolis, the students were given a tour of headquarters. They also heard from UA Health, Safety and Environmental Administrator Cheryl Ambrose on the UA Standard for Safety. In addition, they received a demonstration on the newly developed virtual reality apps for Safety (Focus Four) and Trenching.

The OSHA 510 course is a prerequisite to the OSHA 500 Outreach Instructor Course. Upon successful completion of the OSHA 500 course, instructors are authorized to teach the OSHA 10-hour and 30-hour Outreach Training for Construction at their locals. Outreach instructors are authorized to teach these courses by OSHA through the National Resource Center, a consortium between CPWR – The Center for Construction Research and Training and the Safety and Health Extension of West Virginia University, and recognized by OSHA Training Institute as an Education Center.

By receiving their authorization through CPWR, outreach training instructors can take advantage of all the training resources avail-



Course attendees included (kneeling from left) Tresa Reece (Local 50), Instructor Kevin Hendrickson (Local 533), Michael Arp (Local 43) Standing (left to right) - Matthew Simon (Local 577), Andrew Simon (Local 577), Aaron Kiesling (Local 8), David Thurman (Local 43), Pete Aylward (Local 537), Bernard Shadley (Local 525), Joey Mays (Local 577), Carl Harris (Local 43), Bradley Alumbaugh (Local 157), Dale Rupley III (Local 322), Reuben Gage (Local 155), Jose Roman (Local 692), Brent Taylor (Local 157), Nick Bidingger (Local 322), Instructor Will Marable (Local 372), Chris Renfro (Local 43)

able through the UA ITF and CPWR including the UA's OSHA Instructor Resource site on Blackboard™ and NABTU's eSmartmark.org training modules. In addition, the OSHA 10-hour and 30-hour student cards are issued at no charge to local unions with instructors who are authorized through CPWR.

For more information on how to become an OSHA Outreach Instructor, please contact UA Health, Safety, and Environmental Administrator Cheryl Ambrose (cambrose@uanet.org) or Registrar Cathy Merkel (cathym@uanet.org). ■



CLICK HERE TO ORDER 2019 WORKERS MEMORIAL DAY MATERIALS ONLINE

National Safety Stand-Down to Prevent Falls in Construction

Share your local events with us and watch the UA Social Media pages for messages about the importance of Fall Protection each day during the week of May 6 – 10, 2019



Stand Down

 Watch later
 Share

STAND-DOWN

StopConstructionFalls.com

CLICK HERE TO WATCH VIDEO

Hardhat Stickers

Available online at:
<http://stopconstructionfalls.com/online-ordering-form/>



NEW! 2019 Hardhat Stickers
Place Your Order



Safety Courses Available at Upcoming 2019 Instructor Training Program

OSHA 510 Standards

(Prerequisite for Course 2151 OSHA 500) Covers construction safety and health principles and OSHA policies, procedures, and standards as they apply to the construction industry.

OSHA 500 Outreach Trainer Course

Authorizes UA instructors to teach the OSHA 10-hour and the OSHA 30-hour construction safety and health outreach programs at their locals.

OSHA 502 Outreach Trainer Update Course

Required training every four (4) years to continue as an OSHA Authorized Outreach Trainer.

OSHA 7110 Safe Bolting Principles and Practices

Learn how to safely inspect, assemble, and tighten bolted joint connections using industry-required controlled bolting procedures, including pressure boundary flanged joint assembly practices, terminology, tooling, and related technical areas, including safety. Become proficient in power torqueing and tensioning.

Emerging Safety Technologies and Equipment

Technology is all around us, including on the job site, and designed specifically for protecting the health and safety of the worker. Learn what's new and coming to a jobsite near you.



Infection Control Risk Assessment (ICRA) Practitioner

Learn to work within appropriate barriers, define waste removal procedures, and monitor areas of construction adjacent to patients. Be introduced to critical elements of the ASSE Series 12000 Standard, including biological pathogens, waterborne pathogens, and contamination/infection prevention procedures. Gain basic knowledge for analyzing the risk of legionella for building water systems.

Fall Protection Competent Person Trainer

Focuses on workers' safety while working at heights and the systems used to protect workers from falls while incorporating extensive classroom and interactive hands-on training based on the requirements of OSHA regulations, ANSI Z359.2 standard, and USACE EM-385.1-1.

Trenching Competent Person Trainer

Examines OSHA's trenching standards and industry safe practices for working in trenches and excavations. Newly developed technologies such as interactive e-Learning modules, jobsite mobile apps, the complete trainer guide, and 2D and 3D VR simulations.

Safe Pressure Testing for Piping Systems

Learn different methods for conducting safe pressure testing operations, the associated hazards, and necessary precautions, with safety as the primary focus. Take a field trip to NSF International to witness the tremendous forces during testing failures conducted in a controlled environment.

Safety Culture for Front Line Leaders

Developed around the UA Standard for Safety, one of our core values. Learn how to instruct front line leaders and workers on establishing and maintaining a trusting and collaborative safety culture where all employees feel free to raise concerns.

With More NEW Courses Planned for 2019...



The theme for this year's **National Construction Safety Week** is "Safe by Choice." Safety Week coincides with the National Stand Down to Prevent Falls, and is sponsored by members of The Construction Industry Safety Initiative (CISI) and the Incident & Injury Free Executive Forum (IIF™).



For more information, visit:

www.constructionsafetyweek.com