



Volume II  
March 2018

AMERICAN ALLIED SAFETY COUNCIL

# PLANNING A SAFE TURNAROUND



## ALSO INSIDE...

- Making The Most Of Downtime
- Walking Working Surfaces
- Communication Over Expectation

**alliance**  
An OSHA Cooperative Program

# WHAT'S INSIDE

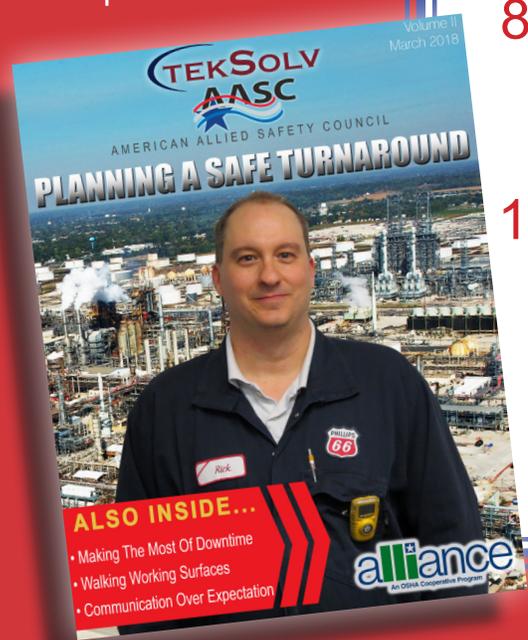
TekSolv is a leading provider of safety solutions to industrial markets. Our mission is to provide high-quality, cost-effective products and services in order to promote cultures of safety, compliance, and process improvement. TekSolv's efforts focus on safety consulting, environmental compliance, rescue services, automation solutions, safety equipment and apparel, occupational health, staffing, and safety training.

Owned and operated by TekSolv, the American Allied Safety Council (AASC) is a full service solution for training and onboarding. The AASC provides safety compliance training, company orientation, occupational health services, and background screenings. The AASC has a partnership with The Council of Owners and Construction Associates, Inc. and Midwest Occupational Medicine and an alliance with the U.S. Department of Labor's Occupational Safety and Health Administration.

866.TEKSOLV  
WWW.TEKSOLV.COM  
DE | PA | IL | WV | OH

*From the cover:*  
Rick Schwarz  
Phillips 66 Wood River Refinery  
Turnaround Manager

Check out Rick's tips on  
planning a safe turnaround  
on page 3!



## CONTENTS

- 2 An Update from AASC
- 3 Planning a Safe Turnaround
- 6 Walking Working Surfaces
- 7 Communication Over Expectation
- 8 Making the Most of Downtime
- 11 SIOSH/SafetyCon
- 14 AASC Course Sampling

# An Update from AASC

TekSolv's American Allied Safety Council just completed the busiest month in council history. The increased volume of students was based on several factors, including new course and service offerings, along with scheduled spring outages at multiple owner facilities. AASC staff developed and communicated a high volume operational plan months in advance in preparation for these outages.

Great communication and coordination with our owner clients, contractors, unions, and medical partner at the AASC assured a smooth, efficient and effective training experience for each employee.



FIRST RIGHT: Contractor representatives from Madison Industrial, MIST, Safway, and GRP.

SECOND RIGHT; Student getting their photo taken at the AASC front desk.

THIRD RIGHT: Food truck serves students on a high volume training day.

FOURTH RIGHT: Students taking a safety course.

LEFT: Cathy Mielke, Contractor Onboarding Liaison for Phillips 66 Wood River Refinery



# PLANNING A SAFE TURNAROUND



Wood River Refinery

RICK SCHWARZ, PHILLIPS 66 TURNAROUND MANAGER -

When does planning start for a turnaround? The answer is – the day the previous turnaround ended! The planning process for turnarounds at the Phillips 66 Wood River Refinery never stops. As soon as a turnaround ends, the planning process for the next turnaround begins. Safety planning is a big part of the successful execution of our turnarounds.

How many times have you seen a safety manual that looks pretty, but when you ask your team who has read it, no one raises their hand?

**"Plans are nothing  
Planning is everything"**  
Dwight D. Eisenhower

The key to a successful safety plan is not so much the words in the book, but the understanding and commitment of your team to using it. Get a critical mass of your team to be involved with creating the documents. Then you will have the key leadership of your turnaround committed to using the safety plan. As more people are brought on board, the leaders will reference the safety plan which helps ensure that everyone will use it.



## Planning Tools:

- Contractor Selection - Safety performance is an important factor when selecting contractors; we use ISNetworld to do this. Contractors with poor grades in ISNetworld may not get selected, or they will need a Variance requiring senior management approval if we do use them.

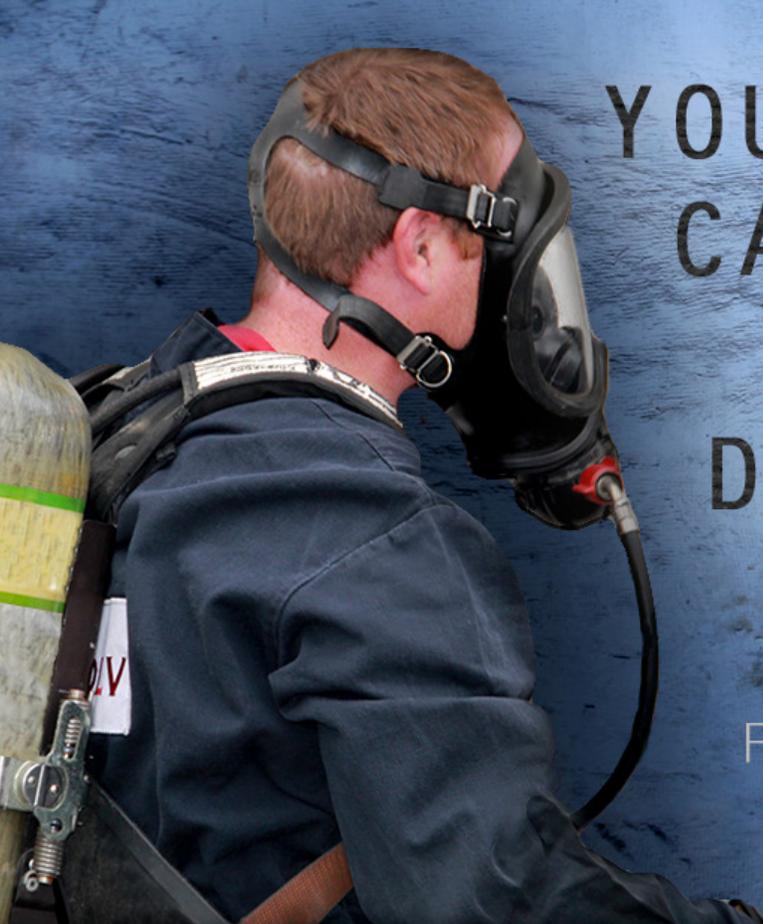
Scorecard		Wood River	A
Grade Component	Status	Points	Gaps
Citations	A = No Citations	100 / 100	✓
Drug Screening	A = Contractor has written Drug Screening Policy	100 / 100	✓
Experience Modifier (EMO)	Rate is 0.73	100 / 100	✓
Fatalities	A = No Fatalities	100 / 100	✓
Incident Rate (TRIR)	A = TRIR 0.00 to 0.25	100 / 100	✓
Written Program Review	RAVS score is 100	100 / 100	✓
<b>Total</b>		<b>600 / 600</b>	

- Lessons learned - Collect them after completion and apply them to future outages.
- Safe Work Execution Plans (SWEPS) -
  - o Determine which non-routine or high risk work scope items require a SWEP through a review all work scope items. Use an integrated review team including P66 Safety, Operations, Contractor, Turnaround Leads, and others as needed.
  - o SWEP's list requirements for special PPE and other safety precautions to address unique hazards associated with each work item.
- Falling Object Prevention -
  - o Good pre-planning during Turnarounds is necessary to address dropped object risks.
  - o We use a 3 tier priority to prevent falling objects:
    1. Secure Material and Tools
    2. Guard Elevated Work Surfaces
    3. Barricade the Area Below
  - o Incidents of falling objects have been greatly reduced since implementing our Falling Object Prevention Policy.

## PHILLIPS 66 RESULTS:

Since our last recordable injury, we have worked:

- 3+ Years
- 2 Major Turnarounds
- Over 2,000,000 Hours



YOUR RESPIRATOR  
CAN'T PROTECT  
YOU IF IT  
DOESN'T FIT.

FIT TESTING AVAILABLE AT



Complete systems  
monitoring of  
gas emissions.



# OSHA 30-Hour General Industry Training Course

April 23-26, 2018

7:30am - 4:00pm

100 Lanter Ct., Suite 8  
Collinsville, IL

Cost: \$495

## TO ENROLL:

Call 618.344.1591 or  
email [shellrung@teksolv.com](mailto:shellrung@teksolv.com).  
Enroll by April 17, 2018.

*In the event of low enrollment, TekSolv holds to right  
to cancel or reschedule this course.*

The OSHA 30-hour General Industry Outreach Training course is a comprehensive safety program designed for anyone involved in general industry. Specifically devised for safety directors, foremen, and field supervisors; the program provides complete information on OSHA compliance issues.



# Everything You Need to Know About OSHA's New Walking Working Surfaces and PPE (Fall Protection) Rule



## Significant Changes and New Requirements:

- Fall protection flexibility 1910.28(b) may use fall protection systems instead of only guardrails
- Updated scaffold requirements 1910.27(a) employers must comply with OSHA's construction scaffold standards
- Phase-in of ladder safety systems or personal fall arrest systems on fixed ladders 1910.28(b)(9) phased in over 20 years on fixed ladders (that extend over 24 feet) with ladder safety or personal fall arrest systems and prohibits the use of cages and wells as fall protection after deadline
- Personal fall protection system performance and use requirements 1910.140 allows use of personal fall arrest, travel restraint, and positioning systems and adds requirements on the performance, inspection, use, and maintenance of the systems – prohibits the use of body belts in fall arrest system
- Inspection of walking-working surfaces 1910.22(d) regularly and as needed and correct, repair, or guard against hazardous conditions
- Training 1910.30 workers who use personal fall protection are trained on hazards and equipment to be used

## Effective as of January 17, 2017:

- Training on hazards and equipment – 6 months
- Inspection and certification of permanent building anchorages – 1 year
- Installation of fall protection (personal fall arrest systems, ladder safety systems, cages, wells) on existing fixed ladders (over 24 feet) that do not have fall protection – 2 years
- Installation of ladder safety systems or personal fall arrest systems on all fixed ladders (over 24 feet) – 20 years

To learn more, visit  
[osha.gov/walking-working-surfaces](http://osha.gov/walking-working-surfaces)

## Get the Ladder Safety App



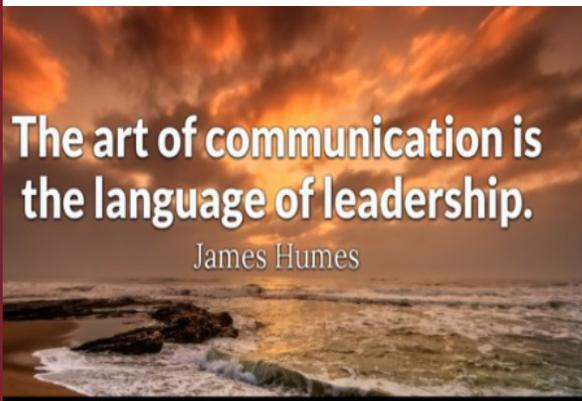
Learn more:  
[www.cdc.gov/niosh/topics/falls](http://www.cdc.gov/niosh/topics/falls)

# COMMUNICATION OVER EXPECTATION

*Without effective communication, expectations will go unmet.*



TOM KUHN, GRP MECHANICAL - The goals for GRP in 2018 are challenging, and completing them will take much work. One of the biggest tasks will be placing communication over expectations. When safety, quality and quantity are the driving factors and you add humans to the equation: expectations will not be achieved



## GRP Spring 2018

WE

**Pledge to not walk  
by any observed  
safety issue  
without doing  
something about  
it immediately!**

without effective communications. We all desire the same thing: Quality work done safely. But that 4-part equation will not work without some very good communication. Every job in 2018 and beyond will need consistent commitment whether it's as simple as placing a lock on a pump breaker or as complex as a weld done at elevation in the freezing cold. Without effective communication it will not happen. Sure the work will get done but will it meet the Sum of what we expect? From the company president to the laborers setting out drinking water, we need to understand every step. Excellent value and confidence should be placed on every individual and we should listen to learn, and not listen to respond. Effective communication and patience will drive all work toward success without injuries or incomplete tasks. GRP would like to see every person involved go home safe and carry the pride that comes with a job well done by all.

## JOINT JOB SITE VISITS AND LOCK OUT TAG OUT ARE INTER CONNECTED.

*JJSV*

Operations/Equipment Owner and the DAE from each working crew shall walk the proposed work and use a hands-on approach. This visit will insure the correct work is being done on the correct equipment or system. Both teams should agree on the proposed work and sign off on the permit so confusion will be mitigated. A JJSV provides communication to confirm isolation, verify absence of energy (try step) and identify potential hazards and safety precautions that must be taken.

A JJSV must be conducted with the Equipment Owner and DAE (s) for all jobs involving energy isolation (including exclusive control). During the JJSV the DAE must sign and date all LTT Energy Verification Point Tags immediately prior to the work commencing for the first time during the shift. If absence of energy cannot be verified (the "try" step) during this visit with the DAE, an Alternate plan or Safe Work Plan must be completed.

*LOTO*

All work involving "Lock Out Tag Out" should use individual worker locks. This provides proper isolation, absence-of-energy verification, and control of energy sources prior to the start of work on equipment containing, or having the potential to contain, hazardous energy. Each worker must apply their personal lock to a primary lockout device. All employees shall be protected from hazardous energy releases by employer LOTO procedures.

NOTE: Energy isolation shall be verified before work begins!

**CAUTION**  
**ELIMATE DOUBT...**  
**LOCK IT OUT!**



Above: (Left to Right) Bill Mulconnery (Business Agent), Brian Custinger (President), Chad Verbal (Vice President), Paul Underhill (Recording Secretary)

# LEARN HOW BOILERMAKERS LOCAL 363 MAKE THE MOST OF DOWNTIME.

PAUL UNDERHILL, DISPATCHER FOR BOILERMAKERS LOCK 363 - Boilermakers Local 363 has been in existence for over 115 years and we are a proud group of skilled craftsmen and women who have learned from those who have come before us. That has never wavered, but what has changed over the years is our safety culture. As tools, technology, and knowledge improve, so do the industry safety standards. A goal of any safety program is to take state of the art safety standards and make them the current state of the industry. There is always a lag time, and this lag times can cost lives. This lag time can be greatly reduced by teaching state of the art safety technology through our apprentice program and also through partnership with companies like TekSolv and their American Allied Safety Council (AASC).

We try to have laser focus on safety in our apprenticeship program. All of our instructors have come through the craft and have a career's worth of experience to pass down to our fresh faced boilermakers. Every new recruit goes through OSHA 30 and spends many hours in the shop talking and learning about safety. We give them a good sense of how important it is to not only follow safety rules but to also make safety part of their thought process. Anyone can follow rules, and to be honest, rules are not inspiring. What I find inspiring is protecting my brothers' and sisters' lives. If we can think of safety as

the essence of who we are, and not as something that we do, many fingers, many eyes, and many lives will be saved.

Just as our instructors strive to bring the newest knowledge to our apprenticeship, so do our safety partners such as TekSolv. We can count on TekSolv to take the latest safety technologies and incorporate and them into their classes. It's nice to have a central location to distribute any new safety procedures to Boilermakers who come through those safety courses before a job. We can send our members to one place that has a site specific and constantly updated versions of the most current safety procedures.

With the Boilermakers' century old bank of experience and TekSolv's constantly growing database of safety courses, we can move forward towards our goal of reducing accidents.



# WANT TO BECOME A CERTIFIED OCCUPATIONAL SAFETY SPECIALIST?

## WHY SHOULD I TAKE COSS?

COSS is a unique, curriculum-based program that builds a solid foundation in safety knowledge for the beginning practitioner as well as the experienced professional. A recent survey indicated 95% of graduates believed COSS training would help them do their jobs better, and 90% of those surveyed said the way the material was presented made them feel confident that they could apply all they learned to their jobs.

## WHAT SETS COSS APART?

The COSS program blends safety management development with regulatory training. Training covers regulations and rules but also focuses on how those regulations apply to everyday life. Graduates return to their jobs with a much greater understanding of how safety regulations come into play in their roles and responsibilities. COSS has received national recognitions for its rigorous safety standards.

## WHAT SHOULD I EXPECT?

The program consists of 40 hours of hands-on, face-to-face learning, which is delivered by an OSHA-authorized trainer. Case studies and workshops are used extensively to bring learning objectives into focus. Guest speakers from OSHA and other governmental agencies are used to enhance the learning experience. Student presentations, daily quizzes, practical reviews and a comprehensive final exam allow participants to demonstrate their competency.

## WILL I QUALIFY FOR COSS?

The only prerequisite for the COSS program is a high school diploma or equivalent. Unlike other safety certifications and designations, COSS does not require a bachelor's degree from an accredited institution. Workers can begin building upon their safety careers today, ensuring they make a real impact on the job.



---

“ *Very helpful class. Not only kept my attention, but kept me wanting to learn more!* ”

---

**NEXT  
COURSE**

**JUNE 18-22, 2018  
AASC TRAINING FACILITY  
COLLINSVILLE, IL**

Learn more on the AASC page  
of [www.teksolv.com](http://www.teksolv.com).



**Honeywell**  
**RAE**  
SYSTEMS

AUTHORIZED  
DISTRIBUTOR

**TEKSOLV**

866.TekSolv  
[www.teksolv.com](http://www.teksolv.com)



**20% OFF**  
**TEKSOLV**



# SIOSH/SAFETYCON

Construction and Industry Working Safely Together



SIOSH/SafetyCon 2018 was an overwhelming success! This 1st Annual Event was the vision of Dustin Miller, our local OSHA Compliance Assistance Specialist (CAS). Mr. Miller initiated the effort to combine two existing safety conferences into one larger event hosted on January 22, 2018 at Southern Illinois University at Edwardsville. There were over 300 people that participated in the conference and vendor showcase at this first-time event!



The Southern Illinois Safety and Health (SIOSH) Conference sponsored by the Illinois Manufacturing Excellence Center (IMEC) had

been traditionally focused on safety in General Industry. The SafetyCon Conference sponsored by the Southern Illinois Builders Association had traditionally been focused on safety in Construction. By combining both conferences into one event, we were able to provide something for everyone under our united theme of "Construction and Industry Working Safely Together."

The success of the conference was due to the hard work of our subcommittee members from the following organizations IMEC, SIBA/SICAP, OSHA, TekSolv/AASC, and COCA. Without their support, this conference would not have been possible. This group was able to gather subject matter professionals to present on a variety of pertinent safety topics in General Industry and Construction at the various breakout sessions throughout the day.

Unfortunately, the day before the conference there was a government shutdown and our OSHA partners were not able to attend to participate or present at the conference. But as we know in the business world, you must have contingency plans and the show must go on! We had construction and industry experts that graciously filled in to lead these sessions.

One of the most impactful sessions was a keynote presentation by a local business owner. He shared the tragic story of an accident resulting in a fatality of a young worker under his watch and the ramifications it had personally and within his organization.



In addition, the Governor's Awards for Contributions to Safety and Health were given to industry and construction by the acting Director of Labor for Illinois, Mr. Joe Beyer. Congratulations to Hayden Wrecking and Roeslein Modular Fabrication for receiving these awards.

The American Allied Safety Council (AASC) has a unique OSHA Alliance Partnership in place at our council. This Alliance allows us to work closely with our OSHA partner to collaborate on safety efforts for industry and construction. The AASC was proud to be a contributing sponsor of this year's event and we look forward to 2019.





# CONFINED SPACE TRAINING COURSES

AVAILABLE AT

**TEKSOLV**



**carhartt**



**TEKSOLV**

130 Executive Dr., Suite 5 Newark, DE 19712  
100 Lanter Ct., Suite 8 Collinsville, IL 62234  
[www.shopteksolv.com](http://www.shopteksolv.com)



20% OFF  
WORK BOOTS



Environmental Compliance Management  
Regulatory Reporting  
Pollution Management  
Storage Tank Management



For more environmental consulting services visit [www.teksolv.com](http://www.teksolv.com).

**WORKING IN  
CONFINED SPACES  
IS DANGEROUS.**



**FINDING  
CONFINED SPACE  
SERVICES IS EASY.**



HOLE WATCH • FIRE WATCH  
CONFINED SPACE ATTENDANT, ENTRANT, AND SUPERVISOR TRAINING

- 24 Hour Confined Space Rescue
- 4 Hour Fall Protection Authorized User Training
- Adult First Aid/CPR/AED
- Aerial Work Platform Training
- Asbestos Awareness
- Asbestos Awareness Training
- Back Safety
- Basic Fall Protection Training
- Basic Rigging and Signal person Training
- Bloodborne Pathogens
- Certified Occupational Safety Specialist
- Competent Person 16 Hour Fall Protection
- Competent Person 24 Hour Fall Protection
- Confined Space (Awareness)
- Confined Space 8 Hour Rescue Refresher
- Confined Space 8 Hour Training
- Confined Space 4 Hour Training
- Defensive Driving
- DOT HAZMAT Transportation Security
- Electrical Safe Work Practices
- Ergonomics
- Fall Protection
- Fall Protection Equipment Inspection
- Fall Protection Usage and Inspection Course
- Fire Extinguisher Training
- Fire Extinguisher Basics
- Fire Safety
- Fire watch
- Flagger Training
- Forklift Safety
- Forklift Training
- Hand and Power Tool Safety
- Hazard Communication (HAZCOM)
- Hazardous Materials Transportation
- HAZWOPER 8 Hour Hands on and Dress Out Training
- HAZWOPER 8 Hour Operator Training
- HAZWOPER First Responders Awareness (Level 1)
- Hearing Conservation
- Heat Stress
- Lead Awareness
- Lockout/Tagout
- Material Safety Data Sheets (MSDS)
- MSD Bucket Truck Aerial Training
- MSHA Part 48 Refresher
- NFPA 70E 2 Hour Arc Flash & Electrical Safety Training
- NFPA 70E 4 Hour Arc Flash & Electrical Safety Training
- NFPA 70E 8 Hour Arc Flash & Electrical Safety Training
- Office Safety
- OSHA 10 Hour Construction 1926
- OSHA 30hr 29CFR 1910 General Industry
- OSHA 30HR 29CFR 1926 – Construction Safety & Health Training Course
- PCB Awareness
- Personal Protective Equipment
- Safety Awareness Fundamentals – General Industry
- Scaffold Training
- Slips, Trips and Falls
- Trenching & Shoring Competent Person Seminar
- Trenching and Excavation
- Warning Signs and Labels
- Welding, Cutting, and Brazing

To learn more, visit the AASC page on  
[www.teksolv.com](http://www.teksolv.com).