

ADOSH ADVOCATE

Improving
workplace
safety &
health



<http://www.ica.state.az.us>

Volume 3 - 2009

In This Issue

New Face for VPP

Page 1

Fatal Mistakes

Page 2

Consultation Recognition

Page 2

A Thousand Words

Page 3

The "Inbox"

Page 3

Training Calendar

Page 4

SHARP & VPP Update

Page 5

Insulfoam - A Success Story

Page 5

Occupational Fatalities

Page 6

ADOSH ADVOCATE

Published quarterly by the Arizona Division of Occupational Safety and Health for employers and employees of Arizona. The information in this newsletter is provided as a service and should not be considered as the exclusive source of the requirements of the standards. This document is in the public domain & we encourage re-printing. Comments and suggestions are welcome.

Arizona Division of Occupational Safety and Health
800 West Washington Street 2675 East Broadway Road
Phoenix, AZ. 85007 Tucson, AZ. 85716
(602) 542-5795 (520) 628-5478

Darin Perkins, Director

VPP Takes on a New Face in Arizona

The traditional Voluntary Protection Program in Arizona has always been in the area of general industry, specifically manufacturing. That is going to change with the addition of the Construction VPP program or C-VPP. ADOSH has been working with three employers in a pilot to determine



Granite Construction submitting application

exactly how to approach the differences encountered on a construction site vs. the traditional approach in a manufacturing setting. We have been making steady progress towards the completion of the pilot program and there appears to be a light at the end of the tunnel.

Granite Construction was the first pilot participant to turn in their VPP application and undergo the onsite review. Hunt Construction Group has also turned in their application which is currently undergoing review. The third employer, Hunter Contracting, is putting their application together.

Each of these companies is pushing forward to demonstrate the quality of

their safety & health management system. The next few months will be spent finalizing the process with these two companies and ADOSH is hopeful that we will be able to wrap up the pilot program within the next year and start accepting applications from other qualified general contractors. We are learning a great deal during this pilot process and have made changes that will enhance the program for those who participate in the future.

We want to congratulate Granite Construction and Hunt Construction for their efforts thus far and commend them for their dedication to employee safety & health and look forward to the time when we can open this up to others wishing to demonstrate the excellence of their safety & health management system.



Hunt Construction Group submitting application

ADOSH ADVOCATE

Fatal Mistakes

What Qualifies a Forklift Operator?

Forklifts are used in so many industries and in so many ways that we often lose sight of the hazards associated with them and the need for trained, mature, and cautious operators.

In October 2005 a 43 year old employee of a construction company was given permission to take a flatbed truck that carried a small forklift to his home, in order to wash the mud and debris off the forklift, which had accumulated due to recent rains. Once the forklift was unloaded, the employee drove the forklift around in circles in his backyard until the forklift overturned when the tires hit softened earth. Since the employee was not wearing a seatbelt, he was thrown from the forklift cab and the roll-over guard struck him across the neck, pinning him in place until he was discovered by a friend who called 911. The employee died five days later of brain injuries due to a lack of oxygen. Alcohol was a factor in this fatality, with a blood alcohol level of .12%, reported by the Medical Examiner.

In April 2003 during the drought experienced in Arizona, Bark Beetles were ravaging our pine forests and property owners in Prescott hired exterminators to spray their trees in an attempt to save them. One of the exterminating companies used a rented rough-terrain extensible boom forklift to elevate the employee performing the spraying work. The employee, who was elevated approximately 25' off the ground, stood on a wood pallet slid onto the forks, and was tied off to the mast with a personal fall arrest system. The forklift operator moved the forklift along a sloped area, while the elevated employee remained on the pallet until the unstable forklift tipped over and the employee was severely injured when he, the pallet and the raised forks, hit the ground.

On July 2, 2001, a 17-year-old male warehouse laborer was fatally injured when the sit-down-type forklift he was operating tipped over and crushed him. The employee apparently lost control of the forklift, which had a load on its forks and the mast fully extended, as he was making a right turn, causing the forklift to tip over 90 degrees onto its left side. The unrestrained victim was crushed under the extended boom/mast of the forklift. First aid was provided by emergency medical services personnel and the victim was transported to an area hospital where he was pronounced dead approximately 25 minutes after the incident.

Specific forklift training and certification is required by the OSHA standards in construction and general industry. But training alone is not enough to determine if a forklift operator is qualified. Other factors must be considered such as: Does the operator demonstrate maturity and respect for the hazards and safety rules associated with forklift use? Has the operator been trained to use an unfamiliar, rented forklift on unfamiliar surfaces? Do labor laws even allow a 17 year-old to operate a forklift? As you can see, joyriding on a forklift, alcohol consumption, unfamiliarity with the forklift and surroundings, and not respecting the safety rules pertaining to seatbelt use and lifting personnel were all fatal or potentially fatal mistakes.

For more information on restrictions for youth working in hazardous job conditions, go to: <http://www.dol.gov/dol/topic/youthlabor/hazardousjobs.htm> . You can also find information on the ICA's web site at: http://www.ica.state.az.us/Divisions/labor/youth_employment_laws.html.

OSHA Publications

OSHA maintains a variety of different publications, including brochures, posters, fact sheets and quick cards, on a slew of different safety and health topics. Publications can be downloaded or ordered from OSHA's web site at <http://www.osha.gov/pls/publications/publication.html>.

Advocate Goes Green

This issue of the ADOSH Advocate is our first 'green' issue. Rather than printing several thousand copies as we have with past issues, this one is being distributed strictly electronically.

Please feel free to provide us with feedback on the articles, the elec-

tronic distribution method, ease of download from our web site, ideas for future article subjects, or any other issue with respect to the newsletter. We're looking for ways to ensure the Advocate continues to be of value to our readers.

Feedback can be provided via adosh.comments@dol.gov



A Thousand Words

Who needs a ladder or bucket truck to trim a tree? Not this crew. In fact, they don't even need to know how to climb a tree. A crane and harness will do just fine, particularly for those points beyond a ladder's reach. Talk about a wedgie! Aside from the obvious dangers associated with hoisting an employee in this manner, it can't possibly be comfortable!

OSHA standards permit the use of a crane to hoist personnel under very limited circumstances and where there is a proper personnel platform in use. They do not, under any circumstance, permit employees to be hoisted in the manner shown here.

With some training and a little forethought, this crew may have made a better decision and used some different techniques, or, they may have decided to leave this job for a more experienced crew with the proper equipment to do the job safely.

Don't try this at home, or anywhere else for that matter!

The "Inbox"

We regularly receive questions and comments via e-mail, at adosh.comments@dol.gov. Following is a selection of some we recently received.

Q: What kind of training do my brother and I need to have to open our own crime scene clean up business?

A: A variety of training may be necessary for this type of work, most importantly bloodborne pathogens training. You should obtain a very thorough knowledge of the types of bloodborne hazards that can be present in this type of work and the precautions necessary to protect yourselves from those hazards.

Q: I work in the billing department at an ambulatory surgical center and we were told by the administrator that OSHA regulations prohibit us from eating or drinking in our office area. She states, however, that she can eat in this area because she is the administrator. Is this correct?

A: OSHA's bloodborne pathogens

standard prohibits employees from eating or drinking in areas where there is a potential exposure to blood or other potentially infectious materials. So long as this exposure does not exist within the billing office area at your workplace, then the standards do not prohibit you from eating or drinking in that area.

Q: Is there an OSHA training requirement for overhead crane and hoist operators?

A: In their current form, the OSHA standards do not address crane operator training to any great extent. There is work underway, however, to establish such a standard. Until such time as a federal standard is promulgated, or Arizona promulgates one of their own, employers should be aware of a new industry consensus standard.

ASME 30.5 - 2007 Mobile and Locomotive Cranes, addresses, among other things, requirements for crane operators, including physical qualifications as well as completion of certain written exams covering specific topics and practical

exams. In addition the document covers responsibilities of the crane operator, crane owner, crane user, lift director, and site supervisor.

Employers using cranes that fall within the scope of this industry standard, with employees exposed to serious hazards, could be cited under the General Duty Clause, referencing this ASME standard. The same holds true for other industry standards addressing crane operations and operator qualifications.

Q: I am looking for a 10 hour or 30 hour OSHA general industry class. I will be applying for a job that requires this certification. Where can I find one of these classes?

A: ADOSH does not provide the OSHA 10 hour or 30 hour class. This training is provided by private safety consultants. It is also provided by the OSHA Training Institute (OTI) and their extension centers around the country, such as at the UC-San Diego. Information on the OTI courses offered through UCSD can be found at <http://osha.ucsd.edu/>

ADOSH Education and Training Calendar

Registration for each class begins 30 days prior to the date of the class. Location and time will be provided at the time of registration. Classes sponsored by ADOSH are free of charge but are subject to change or cancellation without notice. Some classes or seminars listed are not exclusively sponsored by ADOSH and may carry a nominal fee to cover the cost of course materials, space rental, etc. **NOTE: The phone number listed for each class is the number participants need to call for registration purposes and may or may not be a direct number to ADOSH or the trainer. While ADOSH trainers can answer questions specific to the class such as content, attendees will need to call the specific number listed to register.**

<u>Date</u>	<u>Class</u>	<u>Location</u>	<u>Trainer</u>	<u>Registration No.</u>
July 7	Safety & Health Management	Tucson	Mark Norton	520-628-5478
July 9	Excavation Safety Awareness	Tucson	Cheryl Caballero	520-628-5478
	Job Hazard Analysis	Peoria	Jenny Mandeville	623-773-7679
July 14	Confined Space Safety	Tucson	Bill Garton	520-628-5478
	Fall Protection	Peoria	Joe Gates	623-773-7679
	Medical Office Safety	Phoenix ICA	Jenny Mandeville	602-542-1769
July 15	Electrical Safety Awareness	El Mirage	Joe Gates	623-876-4253
July 21	OSHA 300 Logs Recordkeeping	Tucson	Cheryl Caballero	520-628-5478
	Slip, Trip and Fall Prevention	Peoria	Jenny Mandeville	623-773-7679
July 22	Machine Guarding	Phoenix	Joe Gates	602-631-2228
July 23	Machine Guarding	Peoria	Joe Gates	623-773-7679
July 28	Basic Accident Investigation	Tucson	Mark Norton	520-628-5478
July 28	Heat Stress Prevention	Phoenix ICA	Jenny Mandeville	602-542-1769
August 4	Personal Protective Equipment	Peoria	Joe Gates	623-773-7679
August 5	Violence in the Workplace	Tucson	Mark Norton	520-628-5478
August 6	Back Safety-Slips, Trips & Falls	Tucson	Cheryl Caballero	520-628-5478
	Excavation Safety Awareness	El Mirage	Joe Gates	623-876-4253
August 8	Heavy Equipment Safety	Tucson	Cheryl Caballero	520-628-5478
August 11	Hand & Power Tool Safety	Tucson	Bill Garton	520-628-5478
	Ergo-Back Injury Prevention	Peoria	Jenny Mandeville	623-773-7679
	Concrete & Masonry Const.	Phoenix ICA	Joe Gates	602-542-1769
August 12	Ergo-Back Injury Prevention	Phoenix	Jenny Mandeville	602-631-2228
August 13	Fall Protection	Mesa	Joe Gates	480-732-7080
	Forklift Train-the-Trainer	Prescott	Jenny Mandeville	928-541-5001
	Respiratory Protection	Prescott	Jenny Mandeville	928-541-5001
August 14	Scaffold & Ladder Safety	Prescott	Jenny Mandeville	928-541-5001
	Excavation Safety Awareness	Prescott	Jenny Mandeville	928-541-5001
	Back Injury Prevention	Phoenix	Joe Gates	602-274-6545
August 19	Bloodborne Pathogens	Yuma	Jenny Mandeville	928-373-1138
	Respiratory Protection	Yuma	Jenny Mandeville	928-373-1138
August 20	OSHA Recordkeeping	Yuma	Jenny Mandeville	928-373-1138
	Safety Management	Yuma	Jenny Mandeville	928-373-1138
	OSHA Recordkeeping	Peoria	Joe Gates	623-773-7679
August 25	Violence in the Workplace	Peoria	Jenny Mandeville	623-773-7679
	Forklift Train-the-Trainer	Phoenix ICA	Joe Gates	602-542-1769
August 26	Bloodborne Pathogens	Tucson	Mark Norton	520-628-5478
August 27	Driver Safety	Flagstaff	Jenny Mandeville	928-522-3032
	Forklift Train-the-Trainer	Flagstaff	Jenny Mandeville	928-522-3032
September 1	Hazard Comm - Chemical Safety	Tucson	Cheryl Caballero	520-628-5478
September 3	Understanding VPP	Tucson	Mark Norton	520-628-5478
September 8	Forklift Train-the-Trainer	Tucson	Bill Garton	520-628-5478
	Hand & Power Tool Safety	Peoria	Joe Gates	623-773-7679
September 10	Confined Spaces	Peoria	Jenny Mandeville	623-773-7679
September 11	Excavation Safety Awareness	Phoenix	Joe Gates	602-274-6545
September 15	Respiratory Protection	Lake Havasu	Jenny Mandeville	928-757-0894
	Ergo-Back Injury Prevention	Lake Havasu	Jenny Mandeville	928-757-0894
September 16	Bloodborne Pathogens	Lake Havasu	Jenny Mandeville	928-757-0894

Trainers may be contacted by e-mail using the following format: <lastname>.<firstname>@dol.gov

"Phoenix ICA" classes are held at the Phoenix ICA building located at 800 W. Washington St.

All Tucson classes are held at the Tucson ICA building located at 2675 E. Broadway Rd.

ADOSH ADVOCATE

Education & Training Calendar - Cont'd.

<u>Date</u>	<u>Class</u>	<u>Location</u>	<u>Trainer</u>	<u>Registration No.</u>
September 16	Hazard Communication	Lake Havasu	Jenny Mandeville	928-757-0894
	OSHA Recordkeeping	Lake Havasu	Jenny Mandeville	928-757-0894
September 17	Machine Guarding	El Mirage	Joe Gates	623-876-4253
September 22	Hearing Conservation	Peoria	Jenny Mandeville	623-773-7679
	Electrical Sfty/Lockout Tagout	Phoenix ICA	Joe Gates	602-542-1769
September 23	Excavation Safety Awareness	Phoenix	Joe Gates	602-631-2228
September 24	Excavation Safety Awareness	Peoria	Joe Gates	623-773-7679
September 29	Safety Mgmt. for Small Business	Phoenix ICA	Jenny Mandeville	602-542-1769
September 30	Basic Process Safety Mgmt.	Tucson	Mark Norton	520-628-5478

Newest VPP and SHARP Members



Mesquite Power

Mesquite Power, in Arlington, AZ, for achieving the VPP Star recognition, the highest level of recognition for safety & health excellence awarded by both ADOSH and federal OSHA. They were approved as a VPP site on January 13, 2009.

demonstrates that they are taking safety & health management to new levels and are consistently trying to ensure the safety and health of their employees. Congratulations for a job well done. There are currently 24 companies participating in the VPP program and 34 in the SHARP program.

Premier Building Systems is the newest participant in the SHARP recognition program effective October 29, 2008, demonstrating that their Phoenix operation has an excellent safety & health management system in place.

Joining the elite group of VPP participants is the most recent addition, Fluor Facility & Plant Services located in Tucson, AZ. They were approved on April 13, 2009 and their formal awards presentation was completed in May.



Premier Building Systems

Congratulations are also in order for

Each of these employers

Insulfoam's Success

Here is a question for you: Could you use \$79,000 to put back into the company? If your answer is yes continue reading to see how one company did just that.

Prior to getting involved with the Arizona Division of Occupational Safety & Health, Insulfoam was experiencing too many injuries and illnesses within the workplace. For example; during the calendar years of 2000 through 2005 Insulfoam incurred 37 recordable injuries, 24

of which resulted in lost time. This can have a direct impact on the sustainability of a company. More importantly it has a direct affect on the safety & health of employees within the establishment.

ADOSH met with Insulfoam and began a partnership in 2005 in an effort to reverse this trend. As a result of the information obtained and the knowledge gained from the ADOSH consultation program, as well as the commitment and work put into developing a more comprehensive safety & health management

system, Insulfoam has reduced recordable injuries over the last three years to 10 and lost time accidents to four.

This significant reduction in injuries has resulted in a drop in workers' compensation payouts from an average of \$80,039 per year to \$538 per year. This equates to over \$79,000.00 per year that can go right back into making the company better; making improvements in quality and safety and enhancing the work environment for all employees at the facility.

ADOSH ADVOCATE

Occupational Fatalities Investigated by ADOSH January 1, 2009 through March 31, 2009

- 1) An employee was installing a light pole when the pole made contact with an overhead power line.
- 2) An employee was killed during an episode of workplace violence.
- 3) An employee working on an air conditioning unit was killed when he made contact with live electrical parts.
- 4) A garbage truck driver was killed when he was crushed in the compacting mechanism of the truck.

ADOSH
800 West Washington St.
Phoenix, AZ. 85007