

ADOSH ADVOCATE

Improving
workplace
safety &
health



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

Volume 2 - 2009

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ADOSH ADVOCATE

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Darin Perkins, Director

Skylights

One of the first accidents I investigated some 21 years ago was an employee who fell 16 feet to the concrete floor below. He fell through a floor opening created for the placement of a skylight. Think about this: Every year employees are killed because they fail to recognize these seemingly innocuous openings, covered first by a piece of lumber in the early stages of construction then by that opaque plastic dome. Don't be fooled. Just look through OSHA's accident search link to see how big a problem this can be. There are 443 skylight accidents documented at that site.



Most people working around these covered openings don't give them a second thought. You should be aware that OSHA does have regulations under both CFR 1910.23(e)(8) and 1926.501(b)(4)(i) which discuss the issue of skylights and how they need to be protected. OSHA regulations require that skylights in the roof of buildings through which persons may fall while walking or working shall be guarded by a standard skylight screen or a fixed standard railing on all exposed sides.

When a skylight screen is selected for safeguarding the opening, and in the event the skylight is constructed of plastic material subject to fracture (as glass would be), then the screen must be capable of withstanding a load of at least 200 pounds applied perpendicularly at any one area on the screen. On the other hand, a plastic skylight which can provide the necessary structural

integrity to support the 200-pound load would not be required to be further safeguarded, since it would meet the intended function of a screen as well. Keep in mind that the plastic domes or covers can and will deteriorate over time. A skylight that was capable of withstanding a 200 pound load when first installed may not provide that same strength after having been exposed to an Arizona summer.

So next time you're up there on the roof, look around and be aware of where the skylights are and what is required so you can ensure that you are adequately protected.

Mark Norton, Assistant Director

Changes to ADVOCATE

ADOSH is making a change to the format of every other ADVOCATE. Beginning next quarter, every other issue will be in electronic format only. We typically print 6000 copies each quarter and mail approximately 3500 of those throughout the state. However, beginning next quarter, every other issue will be in electronic format only.

Each issue of the ADVOCATE, whether hard copy or electronic, will continue to be posted on the Industrial Commission's web site at www.ica.state.az.us. Additionally, ADOSH will e-mail a PDF copy to those on our broadcast e-mail list. If you are interested in joining that list, please send an e-mail with that request to comments.adosh@dol.gov

ADOSH ADVOCATE



April 1-2, 2009

Southwest Facilities Expo introducing Managing Green Buildings

Phoenix Convention Center

Phoenix, AZ

Southwest Facilities Expo is an exclusive event designed to attract building management decision-makers. Known for 14 years as an annual showcase, attendees rely on *Facilities Expo* to help them access products and services to emphasize facility best practices, with a special focus on *Managing Green Buildings*.

Managing Green Buildings is a newly added feature of *Facilities Expo*. This new addition was created in response to the ever-growing push for facility managers to "green" their buildings. These decision makers are looking for products that are sustainable, energy-efficient, effective and low-maintenance.

For more information or to register to attend, visit www.FacilitiesExpo.com.

For exhibiting information, contact 800.827.8009

Denny Dean - x3364 - Denny.Dean@CygnusExpos.com

Lois Moscoe - x4427 - Lois.Moscoe@CygnusExpos.com

OSHA Training Institute

The OSHA Training Institute's extension facility located at UC San Diego offers OSHA safety and health training classes in Phoenix, Tempe and Tucson. These classes are brought to Arizona through partnerships with ASSE, ASEC and the Arizona Alliance for Safety and Health.

Classes are offered on multiple topics at several different times throughout the year. If you are interested in obtaining more information, or in signing up for one or more classes, contact the Institute at 800-358-9206, or register online at <http://osha.ucsd>

Providing employees with quality safety and health training is an excellent way to improve your company safety program. Employees who have been properly trained are empowered to make life saving decisions.

Fatal Mistakes

On a fateful spring morning in March of 2002, a 48 year old female flagger was crushed beneath the rear tires of a dump truck loaded with asphalt as it was backing up in a highway workzone.

In late summer of 2002 a 48 year old employee of a meat processing plant was spreading powdered detergent on a driveway surface, standing behind a bone truck when the truck backed up. The driver, upon hearing a thump, went to investigate and found the worker had been run over by the back wheels and suffered fatal injuries.

In the fall of 2002, a 41 year old female employee was walking through a stone quarry yard, near stacked stone bundles, when a heavy equipment operator backed a loader around the corner of the bundle and struck the employee. The operator did not see the worker until he had backed the loader another 30' from the accident site. She died of massive crushing injuries to her torso.

In February, a 43 year old employee was killed when struck by a water truck on a construction site.

In March, a 44 year old employee was crushed between a tractor and trailer while it was backing up to a loading dock. Also in March, a 25 year old worker was struck and killed by a truck that was being driven in reverse through a field.

In June, a 21 year old worker was killed when backed over by a belly-dump truck hauling asphalt to a highway project.

While there are many similarities in these accidents, the most obvious are that the driver in each assumed that the area around the moving vehicle was clear of any pedestrians, and the pedestrian assumed that he/she would be visible to the driver. These assumptions resulted in fatalities that left families and co-workers devastated. In some cases back-up alarms were working, in other cases the alarm was broken or could not be heard above ambient noise levels.

Was 2002 an unusual year for pedestrian/vehicle fatalities? These worker fatalities continue to occur, year after year, because the assumption by a worker that he/she is visible to the driver of a moving, and specifically, backing vehicle is a fatal mistake.

Jenny Mandeville, Safety Consultant

REMINDER

Starting with the next ADOSH Advocate, and every other issue thereafter, we will only produce an electronic version, made available through the ICA's web site, or via e-mail. If you want to be added to our e-mail list, send your request to comments.adosh@dol.gov

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>
April 2	Forklift Train-the-trainer	Phoenix	Joe Gates	602-631-2228
April 8	Recordkeeping, OSHA 300 Logs	Tucson	Cheryl Caballero	520-628-5478
April 9	Forklift Train-the-trainer	Prescott	Jenny Mandeville	928-541-5001
	Safety Management	Tucson	Mark Norton	520-628-5478
	Respiratory Protection	Phoenix	Jenny Mandeville	623-535-2800
April 14	Hand and Power Tool Safety	Peoria	Joe Gates	623-773-7679
	Heat Stress	Peoria	Jenny Mandeville	623-773-7679
	Forklift Train-the-trainer	Phoenix	Joe Gates	602-542-1769
April 15	Steel Erection Safety	Tucson	Tom Webb	520-628-5478
	Excavation Safety Awareness	Lake Havasu	Joe Gates	928-505-8104
	Fall Protection	Lake Havasu	Joe Gates	928-505-8104
April 16	Hearing Conservation	Phoenix	TBD	623-535-2800
	Ergonomics	Yuma	Jenny Mandeville	928-373-1138
	Heat Stress	Yuma	Jenny Mandeville	928-373-1138
April 21	Hazard Communication	Tucson	Bill Garton	520-628-5478
April 23	Basic Accident Investigation	Tucson	Mark Norton	520-628-5478
	Lockout Tagout	Peoria	Joe Gates	623-773-7679
April 28	Basic Accident Investigation	Peoria	Joe Gates	623-773-7679
	Accident Prevention	Peoria	Joe Gates	623-773-7679
	Electrical Safety Awareness	Tucson	Tom Webb	520-628-5478
April 29	Ergonomics	Phoenix	Jenny Mandeville	623-535-2800
April 30	Confined Spaces	Lake Havasu	Jenny Mandeville	928-505-8104
May 5	Respiratory Protection	Lake Havasu	Jenny Mandeville	928-505-8104
	Heat Stress	Tucson	Cheryl Caballero	520-628-5478
	Hearing Conservation	Lake Havasu	Jenny Mandeville	928-505-8104
May 6	Heat Stress	Lake Havasu	Jenny Mandeville	928-505-8104
	Walking Working Surfaces	Peoria	Joe Gates	923-773-7679
	Excavation Safety Awareness	Tucson	Mark Norton	520-628-5478
May 12	Machine Guarding	Phoenix	Joe Gates	602-542-1769
	Safety and Health Management	Peoria	Jenny Mandeville	623-773-7679
	Job Hazard Analysis	Tucson	Tom Webb	520-628-5478
May 13	Fall Protection	Phoenix	Joe Gates	602-631-2228
	Ergonomics	Flagstaff	Jenny Mandeville	628-522-3032
May 14	Back Injury Prevention	Flagstaff	Jenny Mandeville	628-522-3032
	Forklift Train-the-Trainer	Tucson	Bill Garton	520-628-5478
May 19	Back Injury Prevention	Yuma	Joe Gates	928-373-1138
	Job Hazard Analysis	Yuma	Joe Gates	928-373-1138
	Welding & Cutting Safety	Yuma	Joe Gates	928-373-1138
May 20	Concrete & Masonry Safety	Yuma	Joe Gates	928-373-1138
	Violence in the Workplace	Phoenix	Jenny Mandeville	623-535-2800
	Heat Stress	Peoria	Jenny Mandeville	623-773-7679
May 21	Hazard Recognition, Gen. Ind.	Tucson	Mark Norton	520-628-5478
May 26	Bloodborne Pathogens	Peoria	Jenny Mandeville	623-773-7679
May 28	Scaffold Safety Awareness	Phoenix	Joe Gates	602-631-2228
June 3	Hazard Recognition, Gen. Ind.	Tucson	Mark Norton	520-628-5478
June 4	Scaffold Safety Awareness	Tucson	Tom Webb	520-628-5478
June 10	Job Hazard Analysis	Tucson	Mark Norton	520-628-5478
June 11				

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.

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Occupational Fatalities Investigated by ADOSH October 1, 2008 through December 31, 2008

- 1) An employee fell 18 feet while performing steel erection.
- 2) An employee was killed when he made contact with a 12kv overhead electrical line.
- 3) An employee working on a cell tower fell 58 feet.
- 4) An employee performing golf course maintenance drowned when he fell into a water pond.
- 5) An employee was electrocuted when he made contact with energized lines in an electrical cabinet.

ADOSH Training - Continued from page 3

<u>Date</u>	<u>Class</u>	<u>Location</u>	<u>Trainer</u>	<u>Registration No.</u>
June 17	Safety for Supervisors	Peoria	Joe Gates	623-773-7679
June 23	Office Safety	Tucson	Cheryl Caballero	520-628-5478
June 23	Excavation Safety Awareness	Phoenix	Joe Gates	602-542-1769
June 23	Hazard Communication	Peoria	Jenny Mandeville	623-773-7679
June 23	Hand & Power Tool Safety	Tucson	Bill Garton	520-628-5478
June 24	Computer Station Ergonomics	Tucson	Tom Webb	520-628-5478
June 25	Respiratory Protection	Peoria	Jenny Mandeville	623-773-7679
June 25	OSHA in the Office Environment	Peoria	Jenny Mandeville	623-773-7679

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