

Executive Safety Update

The Monthly News Bulletin of the Construction Safety Center

Vol. 18, Issue 10 – April 2011

Thousands of Construction Professionals Benefit From Annual Construction Expo and Safety Day

*ASA Chicago and the Chicagoland Construction Safety Council
Partner at Expo to Deliver Greater Benefits to Industry Professionals*

Chicago, IL - The ASA Chicago 9th Annual Construction Expo and Safety Day was held on Wednesday, March 8, 2011 at the Hyatt Regency O'Hare Hotel in Rosemont, IL. ASA Chicago (Association of Subcontractors and Affiliates) partnered for the first time with the Chicagoland Construction Safety Council (CCSC), a non-for-profit construction safety and health organization based in Hillside, IL, to offer additional benefits to its members and to construction industry professionals. The partnership between the two organizations was a new endeavor and provides attendees and exhibitors with even more exposure, networking and educational opportunities than ever before.

Both associations recognized the importance of providing a valuable event to the construction industry such as educational safety sessions, presented by the Construction Safety Council, and the need to upgrade to a larger venue for the growing volume of exhibitors from ASA Chicago. In order to serve the needs of the industry and remain cost effective, the organizations agreed to collaborate on offering educational sessions delivered by CSC and tradeshow advantages offered by the ASA Chicago Construction Expo.

Tom Broderick, Executive Director of the Construction Safety Council states, "We are pleased to partner with such a diverse construction group as the Association of Subcontractors and Affiliates. As our associations work together, we can offer our members even more benefits than those received in past Annual Safety Days. The networking opportunities at the ASA Expo will allow interaction with a wide scope of trades and affiliates that serve the construction industry."

Subcontractors, general contractors, construction suppliers and vendors along with construction safety professionals from the Chicagoland construction industry were in attendance at the Expo. Over 150 exhibitors included companies in such trades as demolition, concrete, carpentry, finishes, computer and other professional services, as well as 20 of the largest general contractors in the Chicagoland area.

A large equipment display was also available at the Expo allowing construction professionals to view large cranes, scissor lifts, ladders, large power tools and more. Safety professionals enjoyed a morning of informative and

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Executive Safety Update is published monthly by the
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4100 Madison St | Hillside, IL 60162 | www.buildsafe.org | 708-544-2082

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educational sessions on such topics as “New Crane & Derrick Standards”, “Health Hazards and Worker’s Compensation” and “Arcs, Sparks, Fire and Explosions”. The sessions were held prior to the opening of the Expo to allow attendees to take part in the entire day without missing safety sessions or tradeshow exhibits.

“By offering educational sessions from the Construction Safety Council, ASA Chicago members were able to take advantage of continuing education credits that were not previously available at our Expo,” said Brian Maddox, ASA Chicago Executive Director. “We were very excited to provide such an enhanced opportunity to our members through this partnership with the Construction Safety Council.”

The Association of Subcontractors & Affiliates (ASA Chicago) was founded in Chicago in 1967 and is an independent, nonprofit trade association representing the subcontracting industry and its affiliates. Servicing over 400 union and non-union subcontractor members, trade suppliers and servicers, the group is one of the largest trade associations in the Chicagoland area addressing the business initiatives of the subcontractor. *ASA Chicago* is also a member of the National Subcontractor Alliance and a Green Sponsor of the USGBC Chicago Chapter. The association publishes three member publications, most notably its quarterly magazine, *Construction Connection*. For more information about *ASA Chicago*, its membership, events and more, visit the website at asachicago.org or at 847-827-8336.

The Chicagoland Construction Safety Council (CCSC) was founded in 1989 and is chartered as an Illinois 501(c)(3) not-for-profit corporation. The council ‘membership’ currently numbers more than 8,000 in the Chicago metro and collar counties area. CCSC is funded through grants, donations, tuition charges, apprentice funds, associations, and the famous penny-per-hour’ voluntary contribution ensured by various unions’ collective bargaining agreements. The organization quickly grew to become a world class professional construction consortium. Construction Safety Council (CSC) was founded in 1991 to serve safety training needs nationally and is funded through federal grants and private funding. The two organizations have a singular mission: Reducing the tragic and costly consequences of construction accidents, injuries and illnesses that take the lives of six American Construction industry men and women each day. This is accomplished through the most current, state-of-the-art construction safety training by veteran construction safety trainers. For more information about the Construction Safety Councils, call 800-552-7744 or visit the website at buildsafe.org.

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OSHA document describes methods to help prevent injuries, deaths among residential construction workers

The Occupational Safety and Health Administration today issued guidance on [Fall Protection in Residential Construction](#)* to help employers prevent fall-related injuries and deaths among residential construction workers. Data shows that falls are the leading cause of death for workers involved in residential construction.

OSHA issued the [Compliance Guidance for Residential Construction](#) in December 2010 to require that residential construction employers provide workers with fall protection according to OSHA's [Fall Protection in Construction](#) standard. This new document demonstrates work methods employers may use to comply with the standard's requirements.

Directed primarily to those working on new construction, the document describes safety methods employers can implement during stages of construction. Methods for preventing fall-related injuries and deaths include using anchors for personal fall arrest systems and fall restraints, safety net systems, guardrails, ladders, and scaffolds for activities such as installing roof sheathing, weatherproofing a roof, and installing walls and subfloors, among others.

"Fatalities from falls are the number one cause of workplace deaths in construction," said Assistant Secretary of Labor for Occupational Safety and Health Dr. David Michaels. "We cannot tolerate workers getting killed in residential construction when effective means are readily available to prevent those deaths."

OSHA's [Residential Fall Protection](#) Web page includes a fact sheet, and questions and answers about requirements for protecting workers from fall hazards. Additionally, the Safety and Health Topics Web page on [Fall Protection – Construction](#) provides a list of references to help employers identify fall hazards and possible solutions for eliminating such hazards. OSHA is continuing to develop additional resources to help employers protect residential workers' safety and health.

Under the Occupational Safety and Health Act of 1970, employers are responsible for providing safe and healthful workplaces for their employees. OSHA's role is to assure these conditions for America's working men and women by setting and enforcing standards, and providing training, education and assistance. For more information, visit <http://www.osha.gov>.

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OSHA issues guidance document to help small businesses comply with cranes and derricks rule

The Occupational Safety and Health Administration today issued the [Small Entity Compliance Guide for Cranes and Derricks in Construction](#) to help businesses comply with the recently published Cranes and Derricks in Construction [rule](#).

OSHA published the rule in August 2010 to address the number of worker injuries and deaths associated with the use of cranes and derricks in construction. The rule also addresses technological advances in equipment since the old rule was issued in 1971.

"Over the past four decades, we've continued to see a significant number of worker injuries and deaths from electrocution, crushed-by and struck-by hazards while performing cranes and derricks operations," said Assistant Secretary of Labor for Occupational Safety and Health Dr. David Michaels. "This guide will help employers understand what they must do to protect their workers from these dangerous, sometimes fatal incidents."

The small business guide is divided into chapters that correspond to sections of the standard. This guide accompanies other OSHA compliance materials on crane-related topics available on the agency's Web site including a PowerPoint overview, Web chat transcript, Webinar, list of frequently asked questions, and fact sheets. Visit OSHA's [Cranes and Derricks in Construction](#) Web page to view these products.

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New guidance documents explain importance of testing in reducing, preventing worker exposure to respiratory hazards

WASHINGTON – The Occupational Safety and Health Administration and the National Institute for Occupational Safety and Health (NIOSH) developed two guidance documents, one for workers and one for employers, which describe the use of spirometry testing to help reduce and prevent worker exposure to respiratory hazards.

Spirometry is a common pulmonary function test that measures how well a person moves air in and out of the lungs. Workers who inhale some types of dusts, gases or other air contaminants can, over time, experience lung damage. The spirometry test may detect breathing problems or significant changes in a worker's lung function at an early stage. The information in these new guidance documents assists employers with identifying and eliminating hazardous workplace exposures and helping reduce or prevent the chances of workers developing lung disease.

The new [OSHA-NIOSH-produced Infosheet](#) for employers clarifies what spirometry is, when it is needed, and critical elements that employers can use to evaluate the quality of spirometry services provided to their workers. The Infosheet also describes how monitoring workers' lung function over time can help individuals by identifying problems early and make the workplace safer by identifying when workplace respiratory hazards are causing problems that must be corrected. The companion document, [OSHA-NIOSH Worker Info](#), explains to workers the importance of taking a spirometry test, what to do during the test, and their right to receive an explanation and copy of test results.

"Spirometry is the best available test for early detection of decreasing or abnormal lung function," said Assistant Secretary of Labor for Occupational Safety and Health Dr. David Michaels. "Our joint effort with NIOSH in developing these products will help broaden outreach and enhance knowledge of preventive measures aimed at protecting worker health and safety."

"We are pleased to join with OSHA in emphasizing the important role of spirometry in preventing costly, debilitating, and potentially fatal occupational lung diseases," said NIOSH Director John Howard, M.D. "These tests are a vital component of health and safety programs in workplaces where workers may be exposed to hazardous airborne contaminants."

OSHA also recommends spirometry testing for workers exposed to diacetyl and diacetyl substitutes. The agency recently issued a Safety and Health Information Bulletin on [Occupational Exposure to Flavoring Substances: Health Effects and Hazard Controls](#) and a companion [Worker Alert on Diacetyl and Substitutes](#). These documents recommend that employers include spirometry testing in their medical surveillance programs to identify workers experiencing adverse health effects from exposure to flavorings, including food flavorings containing diacetyl.

Under the Occupational Safety and Health Act of 1970, employers are responsible for providing safe and healthful workplaces for their employees. OSHA's role is to assure these conditions for America's working men and women by setting and enforcing standards, and providing training, education and assistance. For more information, visit <http://www.osha.gov>.

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On Sunday, April 17, 2011 a new History Channel Premier Program will air at 10 Eastern Time, 9 Central Time and 7 Pacific Time dealing with the crumbling condition of the infrastructure and safety of America.

The program: [INSPECTOR: AMERICA](#) will feature the former Deputy Director of the Construction Safety Council and good friend of the Council Timothy G. Galarnyk.

The Premier Episode of this 6 episode first season will feature the good and the bad infrastructure topics of the Minneapolis/St. Paul Minnesota area. The remaining episodes for season one will feature Los Angeles, Detroit, San Francisco, Las Vegas and Seattle.

**In partnership with the Construction Safety Council ,
LP Management Services, Inc. presents**



NFPA 70 E Electrical Arc Flash

Presented by Rick Elwell and John Kovalan

Arc flash dangers such as shock, electrocution, and arc blast are serious hazards. Hazard awareness training, mitigates the risk of serious bodily injury or property loss. NFPA 70 E Electrical Arc Flash is the leading standard for determining electrical hazards and protecting employees. NFPA 70 E will be coupled with pertinent OSHA standards that apply to the work employees are performing. Case studies, power points, and video will be utilized in the program.

Thursday • April 28, 2011 • 7:30am - 3:30pm

Course Topics

NFPA 70E

2004 and 2009 Updates
Definition of Qualified Persons
Definitions of an Unqualified Person
Overview of Pertinent Tables and Calculations

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Flame Resistant (FR) Clothing
Layering of Clothing
Cleaning and Laundering of FR Clothing
Recertifying Arc Flash Products
Choosing FR Clothing and PPE
Flash Hood or Switching Hood
Hand & Foot Protection
NFPA 70E Hazard Risk Categories

LOCK OUT TAG OUT

Procedure Overview
Installation of Isolation Devices & Tags
Utilizing Log Sheets and Audit Forms
Protective Grounding

ELECTRICAL HAZARDS AND ACCIDENT PREVENTION PROGRAM

Electrical Hazards
Voltage Level & Degree of Hazard
Causes of Electrical Accidents
Electrical Shock & Electric Arcs
Arc or Flash Burns
Accident Prevention Program

FLASH PROTECTION BOUNDARY AND LIMITS OF APPROACH

Definitions of Boundaries and Spaces
Flash Protection Boundary
Limited Approach Boundary
Restricted Approach Boundary

ENERGIZED CIRCUITS

When is Energized Work Acceptable
Use of Energized Work Permits
Determining Safe Boundaries

TOOLS AND VOLTAGE DETECTORS

Live Line Tools – Types, Ratings, Care and Maintenance
Voltage Detectors
Direct Contact Type & Proximity Type
Procedure for Safe Use of Voltage Detectors

The per person fee for this 8 hour class is \$175 (contributors) and \$275 (non-contributors)

Course Location

**Construction Safety Center
4100 Madison Street
Hillside, IL 60162**

For more information about this class please contact:

LP Management Services, Inc.
9B Pasfield Parkplace
Springfield, IL 62704
217.306.0446
jvkovalan@gmail.com

Contact Person and Title

Company Name

Address

Office or Cell Number

Fax Number

Sign up additional employees:

**Registration is required • Fill out this form and fax it to 708-544-2371 • Confirmation will follow
Registration deadline is Friday, April 22, 2011**