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Iowa-Illinois Safety Council Newsletter

Iowa-Illinois Safety Council

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In This Issue

[Message From the Executive Director](#)

[Workers' Comp: Is Your Handle on Workplace Injuries Slipping Away?](#)

[Environmental: Leak Detection Using FLIR Camera](#)

[Now Available from IISC! Supervisor Safety Development Program](#)

[Online Streaming Video Highlight - Exclusive IISC Member Service!](#)

[OSHA Proposes New Rule to Improve Tracking of Workplace Injuries and Illnesses](#)

[Roadway Safety: IISH Recommends Booster Seats Until Age 12](#)

[New Members](#)

IISC Office Holiday Closings



Iowa-Illinois Safety Council Monthly Newsletter

December 2013 · Vol. 18 · Issue 11

Warm wishes for safe and blessed holidays from the Iowa-Illinois Safety Council Board of Directors and Staff.

Thank you for your continued support to make our communities safer places to live.



[Back to Top](#)

Message from the Executive Director

THE TIME IS NOW - IISC STAFF CAN HELP YOU WITH YOUR SAFETY AWARD APPLICATIONS

The Iowa-Illinois Safety Council staff has been busy communicating with the IISC membership via telephone calls, personal visits, and written articles in IISC's electronic publications concerning the new **Hazard Control Recognition Award Program**. This award program was first introduced last April during IISC's Annual



Professional Development Conference & Expo (PDC). The overall reaction from the membership is mixed, some welcoming and excited about the new process and some favoring the old criteria with IISC's previous safety award program. Nevertheless, confusion can be a factor when making changes. The IISC board of directors and staff wants to do everything we can do to help each of you become more comfortable with the new program and to help you achieve success with your 2014 safety award application. This new

The IISC Office will be closed the following days in December and January:

Friday, Dec 13

Staff continuing education session and staff holiday party

Tue & Wed, Dec 24-25

Christmas and Christmas Eve (office will reopen regular hours on Dec 26)

Wednesday, January 1, 2014
New Years Day

Did You Know?



Between 2006-2010, U.S. fire departments responded to an average of 230 home fires that started with Christmas trees per year.
(source: NFPA)

Quick Links

[IISC's Website](#)

[Upcoming Classes and Seminars](#)

**Iowa-Illinois
Safety Council**

Hazard Control Recognition Award Program is an excellent opportunity for the IISC membership to achieve a greater safety award program, while sharing hazard controls and extending best practices to fellow safety professionals.

To help with a couple of confusion points we heard during our conversations with members, two different scenarios are discussed below:

1. Some members we've talked with seem to think the program is looking for "hazard controls" in a very elaborate situation. PLEASE understand, what you may consider to be a very minor hazard control your team has put in place, is more than likely just what this program is looking for. One reference was "painting a garbage can red to indicate that cigarette butts are to be placed in that red garbage can only". Yes, something that seems so minor ultimately controls a previous hazard. Not only did the red garbage can eliminate a hazard, such an example can be of help to others that had not thought of such measures to control this type of hazard.

2. Training? No, training on it's own cannot be considered. In other words, Joe, safety manager with XYZ Company put his team through PPE training and that will not qualify as a hazard control. However, let's use an example of when training can be used as a hazard control: Joe was having two people move a picnic table everyday from one area to another, which ultimately caused back and ankle injuries with both employees moving the table each day. After evaluating the situation, Joe decided to train the employees on proper lifting techniques, to add another person to help with the move, and to eliminate the tripping hazards. Joe's full evaluation of the workplace hazard and the controls put in place, which included training for proper lifting, eliminated the hazards. With this example and many that you work with consistently, training can be involved with your submission. You will have the documentation prior to the hazard control to share on your submission, what you did to eliminate the hazard, and the documentation after the hazard control is put in place to show that the hazard control is a work in progress.

Absolutely this new **Hazard Control Recognition Award Program** is a completely different program than the previous safety awards program. PLEASE do not let the fact that this is new, different, and that you may have questions, hold you back. This new safety award program is on a path to help you achieve a greater safety culture and provide the sharing of best practices with hazard controls within IISC member organizations.

The **NEW Hazard Control Recognition Award** and the Community Enrichment Award are both available for IISC members only. The awards applications submission date opened on November 1st and remains open through January 31, 2014. Terri Simmons and additional staff are available

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to help you with any questions and your application submissions. terri@iisc.org; laura@iisc.org; nancy@iisc.org

DETAILS FOR THE HAZARD CONTROL RECOGNITION AWARD:

- **Q. What is a "hazard control"?**

- A. A Hazard Control is a specific, identifiable change implemented to reduce or eliminate an individual's exposure to a hazard in the workplace.

- Engineering control, redesign, guarding
- Work practice changes that eliminate or reduce the risk to a hazard
- Improvements to the personal protective equipment used by workers
- Changes for previously uncontrolled environmental risk
- Training on it's own, will not qualify as a hazard control

- **Q. How does the IISC Application Process work?**

- A. Each member organization may submit as few as 3 and up to 5 hazard control projects for consideration by the awards committee.

- Organizations meeting the minimum requirement will earn an award
- Organizations judged to have had outstanding controls will earn a "President's Award"
- Each hazard control is to be submitted on a single PowerPoint Slide (text or text & picture)

- Applications to be submitted to terri@iisc.org after November 1, 2013 but BEFORE January 31, 2014 for consideration by the Awards Committee.

*** Late submissions CANNOT BE ACCEPTED.**

- **Q. What are the IISC Award Slide Guidelines?**

- A. One PowerPoint slide per hazard control

*** Any layout, you can:**

- Include pictures (before & after)
- BRIEF descriptions of the hazard and benefit from control
- Whatever will show the uniqueness of your project!
- Include organization contact information in notes section
- Send to terri@iisc.org before January 31, 2014

In an effort to share best practices received from the Hazard Control Recognition Award applications, IISC will publicize success stories during Iowa-Illinois Safety Council's 2014 Professional Development Conference & Expo. IISC's Professional Development Conference and Expo is April 23 - 25, 2014 at the DoubleTree by Hilton Cedar Rapids Convention Complex.

For a complete overview of IISC's new safety awards program, with the implementation, process, and a slide example of a hazard control, please go to <http://www.iisc.org/safetyawardsprogram> and click on either the PowerPoint or PDF presentation.

[Program.](#)

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Connect With Us!



What are you waiting for? Remember, staff is here to help you with any questions you may have about this program. **PLEASE submit your applications TODAY!**

*Laura Johnson, CAE
Executive Director
Iowa-Illinois Safety Council*

[Back to Top](#)

Workers' Comp: Is Your Handle on Workplace Injuries Slipping Away?

**Article provided by: Larry Readout, CSP - Senior Engineer
EMC Insurance Companies - Des Moines, IA**

During the past decade, same level falls in the workplace have increased dramatically, far surpassing the growth of any other accident type. In fact, many accident types decreased in frequency during the same period. Are walking/working surfaces getting less safe? Probably not. Have we just been ignoring the problem? Maybe. One thing we do know is that workers are getting older, and that trend will continue for many years. Age is a key contributing factor to slips and falls and is directly related to their severity. Age-related decline in physical traits such as vision, joint strength, flexibility, and reflexes helps explain the connection between age and falling. Although we can't do much about the age of our workforce, we can make the workplace safer for everyone.



To reduce slips and falls, it's important to understand how people walk. Most people use the heel strike method, where the heel of the leading foot contacts the surface first. If the heel lands on a wet or slippery surface, the foot may slide and the person can lose their balance. An unexpected foot slide of a half-inch can cause a fall. Even if the walkway has a high traction surface, a puddle can cause hydroplaning as the heel touches down. In this case, the small surface area of the heel tip and the liquid interface renders the high traction surface irrelevant.

When we see an ice patch or puddle ahead, we change how we walk to prevent a fall (e.g., shorten stride, lean forward, flat-footed); but these hazards are not always visible to everyone. That's why it's so important to eliminate or at least manage them. Wet floor signs have their place, but they are not the solution. Consider the following:

- An effective floor mat strategy at entrances to control water infiltration. Mats should be dried or changed out as they become saturated. Place additional mats during inclement weather. Keep in mind that mats don't last forever. If the face becomes worn or edges are frayed and curled, it's time to replace.
- Clean up spills immediately. Use safety cones or other barriers to keep people away.
- A comprehensive snow/ice management program. We all know that walkways

should be cleared before employees arrive, but a strategy to deal with thaw/refreeze conditions is very important.

Despite our best efforts, we cannot eliminate all potential slip/fall hazards 24/7/365. We also cannot control risk factors associated with each individual employee. That doesn't mean we shouldn't try to educate them on safe walking practices. Comparing safe walking habits to safe driving may help get the message across:

- Avoid distractions: No texting or reading when walking
 - Look ahead for hazards: 10-15 feet, use lights if dark
 - Slow down when turning a corner: Make wide turns and look for low lying objects
 - Use your mirrors: Look down and side-to-side before backing up
 - If slippery, slow way down: Take 1/2 stride or less
 - Buy tires with good traction: Wear slip resistant footwear
 - Inspect your tires: Check shoe heels/soles regularly
 - Keep windshield clear: Get regular eye exams
- Get regular tune ups: Get annual physicals, Rx review, take a Tai Chi class

[Back to Top](#)

Environmental: Leak Detection Using FLIR Camera

**Article provided by: Eugene Taylor, P.E, C.M - Principal Consultant
Trinity Consultants, Inc. - West Burlington, IA**



A GF320 FLIR camera is used for visual observation of fugitive equipment leaks for leak detection and repair (LDAR) and non-LDAR facilities. The FLIR camera is an infrared camera able to visualize gas by utilizing the physics of fugitive gas leaks. The camera produces a full picture of the scanned area on the camera's viewfinder or LCD screen, allowing the user to see fugitive gas emissions as plumes. The images can be viewed in real-time or recorded for easy archiving. The GF320 FLIR Camera is suitable for industrial applications such as pharmaceutical, chemical and petrochemical facilities, power generation plants, and oil and natural gas production, refining, storage, transportation, and distribution operations. This mid wave gas detection camera can detect many gases, but it has been laboratory tested against 19 compounds, which include but not limited to, benzene, butane, ethane, hexane, MIBK, and methanol.

This technology provides several benefits to standard Method 21 technologies, including:

- Effective and time-efficient monitoring of more than 100 objects per hour.
- Detection of small leaks from several meters away and large leaks from several hundred meters away.
- Identification of the exact location of a leak through visualization of the plume.

These benefits can be leveraged in a wide range of applications, such as:

- Providing a quick snapshot of potential leaks.
- Remote monitoring of unsafe or difficult to access locations, including areas with toxic chemicals that pose immediate health hazards when leaking.
- Detection of leaks from moving transport vehicles.
- Surveying facility areas during startups to detect leaks from previously leak free components that have been disturbed by maintenance activities or the thermal cycling during shutdown and startup.
- Observing emissions from point sources (e.g., process vents, stacks, storage tanks, flares).
- Checking for leaks in components not monitored under an LDAR program, such as leaks caused by corrosion of pipes under insulation.
- Checking closed vent system and control device leaks, especially for chemical and pharmaceutical sector NSPS (VV & KKK) and NESHAP (HON, UU, MON, etc.) rules or other specific permit requirements.

Several state agencies and USEPA regional offices now utilize FLIR cameras during drive-by or fly-by field inspections, recording potential leaks without distinguishing between LDAR and non-LDAR components. Additionally, the agencies will utilize the FLIR cameras to observe point sources. This video may then be provided to the facility with the burden of demonstrating that the video does not provide evidence of potential LDAR violations or stack emission limit violations. Prior to an USEPA inspection, companies should consider utilizing an FLIR camera to broadly and quickly identify potential leaks across the facility and address areas of concerns, if possible.

Trinity is assisting facilities with visual observation inspections using the GF320 FLIR camera and responding to FLIR camera video provided by USEPA following an inspection. If you need assistance or have any questions regarding the FLIR camera, please contact Chris Aberg, Certified in Optical Gas Imaging and trained to provide FLIR services at (919) 462-9693, or by email at caberg@trinityconsultants.com.

[Back to Top](#)



Now Available from IISC! Supervisor Safety Development Program - Train The Trainer

The Supervisors' Safety Development Program (SDPP) trains supervisors and managers to incorporate best safety practices into their daily management activities.

A key feature of the program requires participants to demonstrate they have acquired the knowledge and skills from training and are prepared to implement them in the workplace.

Training Goals

To equip supervisors and managers with the knowledge, leadership skills and methods

to apply safety as part of their responsibilities and become effective safety leaders and advocates.

What You Will Learn

Supervisors and managers learn how to incorporate safety and health into their daily management process. Key learning includes...

- How to confidently address critical safety and health issues
- How to enhance safety responsibilities and safety management systems, including safety inspections, incident investigations, safety meetings and employee engagement
- Identification and control of hazards, incident prevention, OSHA compliance, and continuous improvement in all areas of safety and health
- How to promote a positive safety culture
- Learning to support workers with on-going safety training, on-the-job training and promoting safe behavior

IISC now offers two packages for this course:

1. NSC Train-the-Trainer Package:

Member Early Bird Price: \$750.00

Non-Member Early Bird Price: \$950.00

Package Includes:

- Facilitator Guide
- Introduction and preparation
- Module exams
- Final exam
- 16 instructional modules
- Facilitator PowerPoint® presentations with embedded videos on DVD - (4 disk set) and CD (2 disk set)
- Supervisors' Safety Manual, 10th Edition

2. Participant Package:

Member Early Bird Price: \$425.00

Non-Member Early Bird Price: \$550.00

Package Includes:

- Student Study Guide
- Supervisors' Safety Manual

IISC will hold our first SDPP train-the-trainer course [February 5-7, 2014](#). Register managers and employees and choose the package that fits the needs of each class participant. [Register online today!](#)

***Bryan Doty - Director of Program Development & Training
Iowa-Illinois Safety Council***

[Back to Top](#)

Online Streaming Video Highlight - Check Out This Exclusive IISC Member Service!

Iowa-Illinois Safety Council's

Online Streaming Audiovisual Library



Provided by Aurora Pictures



Working Safely in Cold Weather

Item #4331

15 Minutes

Working safely in cold weather requires more than just the right clothing. This presentation provides viewers with detailed information on how to safely work in cold weather conditions. It will explain how the systems of the body work in cold conditions, how to spot frostbite and other cold-related illness, as well as how to properly dress and work in the cold months. Prevention is emphasized as viewers are shown signs of distress to look for in themselves and co-workers and how to safely handle such situations.



 Make sure you have signed up with an account via the [Member's Only Page](#) to get the IISC rental rate!

Not familiar with IISC's audiovisual streaming library?
[Click here for complete details.](#)

[Back to Top](#)

OSHA Proposes New Rule to Improve Tracking of Workplace Injuries and Illnesses



On Nov. 7, OSHA issued a proposed rule to improve workplace safety and health through improved tracking of workplace injuries and illnesses. The announcement follows the Bureau of Labor Statistics' release of its annual Occupational Injuries and Illnesses report, which estimates that three million workers were injured on the job in 2012.

"Three million injuries are three million too many," said Assistant Secretary of Labor for Occupational Safety and Health Dr. David Michaels. "With the changes being proposed in this rule, employers, employees, the government and researchers will have better access to data that will encourage earlier abatement of hazards and result in improved programs to reduce workplace hazards and prevent injuries, illnesses and fatalities. The proposal does not add any new requirement to keep records; it only modifies an employer's obligation to transmit these records to OSHA."

The new proposal would require that establishments with more than 250 employees who are already required to keep records to electronically submit the records on a quarterly basis to OSHA. The agency is also proposing that establishments with 20 or

more employees, in certain industries with high injury and illness rates, electronically submit their summary of work-related injuries and illnesses to OSHA once a year. For more information on the proposed rule, read the [press release](#) and visit the Improved Tracking of Workplace Injuries and Illnesses Rulemaking [Web page](#).

The public will have 90 days, through Feb. 6, 2014, to submit written comments on the proposed rule. On Jan. 9, 2014, OSHA will hold a public meeting on the proposed rule in Washington, D.C. For information on how to participate, read the [Federal Register notice](#).

Resource: OSHA QuickTakes - November 15, 2013 - Volume 12 - Issue 21

[Back to Top](#)

Roadway Safety: IIHS Recommends Booster Seats Until Age 12

The Insurance Institute for Highway Safety released annual ratings of child booster seat models on Nov. 7 and reported 19 of 31 new models it evaluated earned the top rating of BEST BET and one was rated a GOOD BET. In its report about them, IIHS stated some children as old as 12 should be required to sit in a car booster seat.

"When children outgrow child restraints, they should use boosters until adult belts fit properly. For some children, that's not until about age 12," according to the IIHS [news release](#).



IIHS stated that children between the ages of four and eight are 45 percent less likely to be injured in a car accident when in a booster seat. By upping the age to 12, perhaps children will face fewer injuries in car accidents. According to CBS, car crashes are the number one cause of death in children ages one to 13.

Resource: ohsonline.com

[Back to Top](#)

New Members

Chamness Technologies

Blairsburg, Iowa
Waste Management

L & L Insulations

Ankeny, Iowa
Insulation Products

Paulson Electric

Cedar Rapids, Iowa
Electrical Contractor

Penn Aluminum

Murphysboro, Illinois
Manufacturing

[Back to Top](#)

First Aid Book Sale!

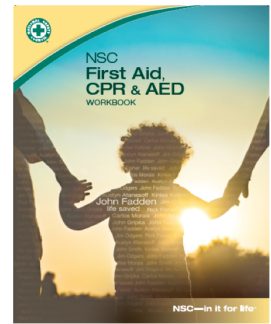
Buy your NSC First Aid/CPR/AED books through the Iowa-Illinois Safety Council before December 31, 2013 and **SAVE!**

Regular price: \$12.50

Price after January 1: \$12.95

SALE PRICE: \$11.75

To receive the sale price, place your order through the Iowa-Illinois Safety Council before close of business on December 31, 2013. Contact Terri Simmons at 800-568-2495 ext. 225 or Terri@iisc.org.



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