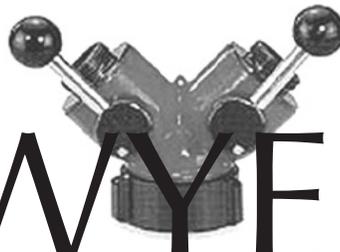


GATED WYE



May 2010 · Oregon Office of State Fire Marshal · 4760 Portland Road NE · Salem Oregon 97305-1760 · No. 316

Carbon monoxide alarm temporary rules in effect July 1, 2010

The 2009 Oregon Legislature passed House Bill (HB) 3450, the Lofgren and Zander Memorial Act, requiring properly functioning carbon monoxide (CO) alarms be installed in sleeping areas of dwellings with a CO source.

CO sources include, but are not limited to, heaters, fireplaces, furnaces, appliances or cooking sources using coal, wood, petroleum products, or other fuels emitting CO as a by-product of combustion.

Petroleum products include kerosene, natural gas, or propane. Attached garages with doors, duct work or ventilation shafts connected to a living space are also sources of CO.

The temporary rules for existing structures are effective July 1, 2010. Comments on the temporary rules must be submitted by October 1. The final rules are scheduled to be filed in December 2010.

"We worked with citizen advocates, the Oregon fire service, representatives from health, manufactured housing, multifamily housing, home builders, sellers, and renters to create rules aimed at successful compliance," advises State Fire

Marshal Randy Simpson. "We all want to protect the public from carbon monoxide poisoning."

Who does what, when? HB 3450 specifies implementation dates:

July 1, 2010 – Office of State Fire Marshal (OSFM) Administrative Rules effective date.

July 1, 2010 – For all new rental agreements, landlords must provide properly functioning CO alarms for rental dwelling units with, or within a structure containing a CO source.

April 1, 2011 – Landlords must provide properly functioning CO alarms for all rental dwelling units with, or within a structure containing, a CO source.

April 1, 2011 – Home sellers of one- and two-family dwellings, manufactured dwellings, or multifamily housing units containing a carbon monoxide source must have one or

more properly functioning CO alarms before conveying fee title or transferring possession of a dwelling.

April 1, 2011 – All new construction of one- and two-family dwellings, manufactured dwellings, or multifamily housing units containing a carbon monoxide source must have one or more properly functioning CO alarms before conveying fee title or transferring possession of a dwelling.



Example of one style of carbon monoxide alarm.

The new rules, and information about them may be found on the [carbon monoxide page on the OSFM website](#).

Concert tickets for honor guard fundraiser

Country music stars Tim McGraw and Faith Hill have donated two pairs of tickets to their May 22 concert at the Rose Garden in Portland to be raffled off to help raise money for the Oregon Fire Service Honor Guard. [Click here for more information or to purchase raffle tickets.](#)

From the desk of the State Fire Marshal



“ Compliance with the applicable provisions of the Life Safety Code is a condition of participation in the Medicare/Medicaid program. ”

Licensed care facilities in Oregon: A code of a different color

Due to a few recent incidents, I need to clarify the responsibilities of the Office of State Fire Marshal (OSFM) with respect to the built environment in healthcare facilities statewide.

The OSFM, under contract through the Oregon Department of Human Services (DHS), with the Federal Centers for Medicare & Medicaid Services (CMS), is responsible for enforcing compliance of NFPA 101 Life Safety Code (LSC) in new or remodel construction of Oregon healthcare facilities. The OSFM has eight deputy state fire marshals assigned at locations around the state to assist with the inspection and approval of these healthcare projects.

When dealing with a healthcare project in Oregon, whether it is new construction, tenant improvement, or a remodel, if the facility meets the criteria listed below, they must comply with both the state adopted codes **and** the Life Safety Code, and other federal rules adopted by CMS:

- The facility is or will be participating in the Federal Medicare/Medicaid program
- The facility is or will be licensed by the state of Oregon

Compliance with applicable provisions of the LSC is a condition of participation in the Medicare/Medicaid program. The DHS Facilities Planning and Safety section reviews plans only for compliance with state licensing rules. They do not perform fire and life safety plan reviews. The OSFM staff conducts fire and life safety plan reviews at no cost for healthcare facilities.

To expedite the permitting process and prevent potentially costly delays for property owners/developers, I encourage you to ask if the facility is seeking Medicare/Medicaid funding. If they are, please consult with the [OSFM deputy state fire marshal for healthcare in your area](#).



**State Fire Marshal
Randy Simpson**

**Office of
State Fire Marshal**

**Oregon State Police
4760 Portland Rd. NE
Salem Oregon
97305-1760**

www.oregon.gov/OSP/SFM
503-373-1540

Administration
ext. 211

Codes & Technical
Services
ext. 269

Community Education
ext. 273

Community
Right-to-Know
ext. 214

Data Services
ext. 236

Emergency Planning &
Response
ext. 227

Emergency Response
ext. 238

Fire & Life Safety
ext. 204

Firesetter Intervention
ext. 230

License & Permits
ext. 264

The Gated Wye is published monthly by the Oregon Office of State Fire Marshal. For submissions or suggestions contact Rich Hoover at 503-934-8217 or e-mail richard.hoover@state.or.us. In compliance with the Americans with Disabilities Act, alternative formats of this publication are available.

Simpson photo courtesy of ODOT Photo and Video Services.

Wildfire Awareness Week is May 2-8

The 2010 Wildfire Awareness Week campaign continues with last year's theme focusing on safe debris burning. According to Keep Oregon Green, humans are responsible for more than 69% of all wildfires in Oregon. Most of these fires are caused by escaped debris burns.

In addition, recently released data by the Oregon Department of Forestry shows that although there were fewer wildfires in 2009 caused by escaped debris burning, the number of acres burned by those fires increased.

In 2008, there were 401 wildfires caused by debris burning which destroyed 756 acres. In 2009, 373 debris burning-caused wildfires destroyed 4,186 acres.

Although debris burning is allowed in many areas of the state, the Office of State Fire Marshal strongly suggests homeowners look to alternative disposal methods for their yard debris such as:

- Chip or shred it and use it as mulch
- Compost the debris
- Take debris to a proper disposal or recycle location
- Set it out for curbside recycling if available
- Contact their city or county offices to find other local alternatives to debris burning

The OSFM recommends fire departments and districts educate residents in their service areas on alternatives to debris burning and about the many wildfire prevention and education resources available through the internet, including:

- [Oregon Department of Forestry](#)
- [Keep Oregon Green](#)
- [Firewise](#)
- [The National Interagency Fire Center](#)
- [U.S. Forest Service](#)
- [The Federal Emergency Management Agency](#), and
- [The Natural Resources Conservation Service](#)

Oregon law enforcement memorial ceremony May 6

The Oregon Department of Public Safety Standards and Training invites public safety representatives to attend the Oregon law enforcement memorial ceremony, 1:00 p.m., May 6, 2010 at the Oregon Public Safety Academy in Salem, Oregon.

Ceremonial uniforms are preferred. Memorial bands should be worn over badges.

For more information, contact Carolyn Kendrick at 503-378-2358.

Open recruitment for incident management team positions

The Office of State Fire Marshal (OSFM) is accepting applications for open positions on its incident management teams (IMTs). Openings include three assistant safety officers and six division group supervisors. The OSFM is also accepting applications for all trainee and pool positions.

The state IMTs are Type 2 teams organized and trained to manage structural protection during wildfires and address logistical, fiscal, planning, operational, safety, and community issues related to structural protection or declared emergencies in all-risk incidents.

IMT members are expected to commit to participating on a team for three years.

[Access applications and position descriptions on the OSFM website.](#) Applications must be submitted by May 20, 2010.

Applicants that are qualified and accepted, but no opening exists for that specific position on a team, may be placed in a pool. Applicants lacking the minimal amount of requirements and/or a task book may be accepted as trainees.

For more information, contact Alan McMahan at 503-934-8297 or alan.mcmahan@state.or.us.

Oregon smoke alarm data available

Updated smoke alarm data covering 2005-2009 is now available on the Office of State Fire Marshal website.

The [two-page fact sheet](#) covers smoke alarm data in residential fires only. Data categories in the fact sheet include presence of alarm, alarm performance, alarm failure, and alarm power supply. Also included is a graph showing the trend of injuries and deaths in residential fires where smoke alarms were not present or did not operate.

Meritorious awards banquet May 22

The 9th Annual Oregon Fire Service Meritorious Awards Banquet is scheduled May 22, 2010 at the Salem Conference Center. The event begins with a no-host reception at 6 p.m., with dinner at 7 p.m.

The event represents the only statewide forum for agencies and individuals to recognize and pay tribute to members of the Oregon fire service for acts of courage, heroism, and dedication to their profession.

Cost is \$35 per person. RSVPs must be received by Friday, May 15, 2010. [Download a registration form](#) or call 503-587-9427 or 888-846-5741 for more information.

Advanced kitchen fire protection seminar

The Oregon Fire Equipment Distributors association is hosting a seminar on advanced kitchen fire protection May 21, 2010 at the Portland Airport Holiday Inn.

The seminar is free to Authorities Having Jurisdiction and \$220 for other attendees. To register, contact Brenda Casey at 503-201-3396 or email brenda@metrosafetyandfire.com.

License plate to honor fallen fire and law enforcement personnel

In June 2009, Governor Kulongoski signed the Oregon Fallen Public Safety Officer License Plate bill allowing for the development and sale of a special license plate honoring Oregon's fallen firefighters and law enforcement personnel.

Proceeds from the sale of the plates will pay for families and honor guard escorts to attend national memorial services at either the [National Fallen Firefighters Memorial](#) in Emmitsburg, Maryland or the [National Law Enforcement Officers Memorial](#) in Washington D.C.

Efforts for the special plate were started by Mary Nunnenkamp and her son Brett to honor the memory of husband and father, Randy Nunnenkamp, a Washington County Sheriff Detective who was killed while off-duty in 2006.



The Police Memorial Trust fund is the acting fiscal agent for donations needed to raise the remaining \$8,000 before the plate can be produced. Oregon law does not allow taxpayer dollars to be used in development of specialized license plates.

After initial production funds are raised, there is still a requirement to sell a minimum of 1,000 plates the first year, and to sell or renew 500 plates each following year for the plate to be continued.

Once the program is in place, a three-person committee consisting of a law enforcement representative, fire service representative, and the bill's originator Mary Nunnenkamp, will administer the fund as a subcommittee of the Police Memorial Trust Fund.

For more information, visit the [Facebook page for the Fallen Public Safety Officer License Plate](#).

DATA Connection

News & technical tips from the Data Services Unit

The Office of State Fire Marshal's (OSFM) Data Unit continually strives to improve the quality of incident data reporting. In this spirit, we would like to share some excellent recommendations adapted from an article written by Michael Barakey, Battalion Chief with the Virginia Beach Fire Department.¹ The recommendations are intended to help fire departments increase the effectiveness and accuracy of fire incident reports.

Recommendations for effective reports:

1. Implement a standard operating procedure on emergency incident reporting, including participants' roles and responsibilities. For example:

- The company officer will complete the fire incident reports for all incidents with property or content loss, any incident declared as a working fire or incident, and any incident with civilian or firefighter casualties or injuries.
- The chief will review and submit all working fires or working incidents. The chief may elect to have the first-arriving company officer complete the majority of the fire incident report but should add comments to the narrative, review it for accuracy, and submit it if satisfied it was completed accurately. The report should also list the chief as the 'officer in charge.'
- The company officer will audit reports completed by his subordinates, checking for completeness and accuracy.
- When a fire incident report is completed for a fire that is 'under investigation,' the assigned fire investigator will complete the cause and origin sections of the fire incident report and add comments to the narrative. If the fire investigator changes originally-entered data, this should be noted in the narrative prior to being sent to the National Fire Incident Reporting System (NFIRS).

2. Establish a formal checks and balances program to ensure reports are reviewed in a tiered program for accuracy and consistency. Return any reports not completed correctly to the company officer for correction; copy his supervisor, explaining why the report was rejected. As reports are reviewed and common mistakes identified, errors will decrease and accuracy will increase.

3. Provide training and re-education to all members who enter or review fire incident reports.

- The National Fire Academy offers on-site, off-site, and self-study courses for members who are responsible for the administrative review or submission of fire incident reports.
- The [National Fire Information Council website](#) provides technical help.
- The OSFM's Data Unit offers Fire Bridge™ incident reporting system training. Staff is also available to help with NFIRS coding questions.

4. Provide company officers with the educational materials necessary to ensure fire incident reports are completed timely, fully, and accurately. Pertinent [reference materials available on the OSFM website](#) include:

- The *NFIRS 5.0 Complete Reference Guide* should be accessible to all in a conspicuous place in each fire station and office.
- The *Standardized Fire Loss Reporting Best Practice Guideline* provides information to help estimate dollar losses and values.
- *Data Connection* past articles covering reporting topics.

Fire Bridge™ Q&A

Q. In the NFIRS Basic Module, what is the "Mixed Use Property" field used for?

A. If a property has more than one use, the 'Mixed Use Property' designation applies. This field captures *the overall use of a property*. For example, a fire in a restaurant in an office building would be coded 'Office use' in the Mixed Use Property field (and 'Restaurant' in the Property Use field). A fire in a gift shop located in a hotel lobby would be coded 'Residential Use' for Mixed Use Property. Documenting the overall property use allows for better analysis of incident causes and targeting of prevention strategies. It's also important for code development and enforcement, and inspection activities.

If you have any questions, contact the Data Unit at osfm.data@state.or.us or call 503-373-1540, extensions 234, 237, or 244.

¹Michael J. Barakey, 'Fire Incident Reporting: Accurate Data Will Market Your Department,' *Fire Engineering*, December 2009.

Fire grant update

by Hines Lieutenant/Grant Writer
Jonathan Manski



The application period for the 2010 Assistance to Firefighters Grant (AFG) program promises to be open April 26th and close May 28th. That is only a month long delay, which is short by recent Department of Homeland Security Fire Act Grant standards. Now is the time to get down to business.

If you received a second-round denial letter from 2009, you were close to success, but perhaps just need to tweak your narrative a little. If you received a first-round computer denial letter, a full-blown review may be necessary to see if there was some simple error or omission that kept your application from getting past the computer scoring and proceeding to the hands of peer reviewers.

Station Construction Grant, Fire Prevention & Safety, and AFG denial letters are out, that helps clear the road for the remaining AFG and Staffing for Adequate Fire and Emergency Response programs.

Take your time with your application; make sure it gets a thorough review. There are no scheduled workshops left, so if you have questions about the process ask the AFG program specialists or check with a neighboring department.

It's important to remember, funding for the 2010 program is down about 30%. Make sure your project remains within the highest priority objectives of the program as described in the program guidance. Trim the fluff out of your requests and ask for the things you really need. If you are a first-time applicant and need help or have continued to be unsuccessful, feel free to contact me at jmanski@blm.gov.

[Click here for the latest information on FEMA grants.](#)

The E-ONE 'Tell Your Story' contest has announced this year's top submissions. I never expected lightning to strike twice, but the Hines VFD is again in the running. Oregon is in the national spotlight. The process is now treated like a popularity contest; it's the public who will decide the most deserving department based on the departments entries. [Read the final seven short stories.](#)

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I don't want to pressure anyone, but Oregon could use some good news right about now. The contest is open until mid August. Thanks in advance.

ODF and OSFM hold 13th annual incident management conference

In March, more than 190 representatives from the Oregon Department of Forestry (ODF) and the Oregon Office of State Fire Marshal (OSFM) came together in Hood River to focus on getting 'Back to Basics,' the theme of this year's incident management team conference.

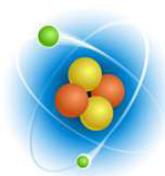
Attendees had high praise for all elements of the conference and felt it accomplished its main objectives of providing opportunities for ODF and OSFM teams and functional sections to meet and participate in an exercise. The exercise helped the teams explore areas for further integration and identify areas where integration may not result in improved effectiveness.

I think the conference provides a unique opportunity for both ODF and OSFM teams and support staff to interact in a non-emergency environment. It facilitates tremendous training opportunities, partnerships, and collaboration to better serve our citizens of Oregon.

***- Doug Koellermeier Deputy
Chief, Bend Fire & Rescue***

The conference is an opportunity for teams to work together before the beginning of the 2010 fire season.

Both agencies will use attendee feedback and survey results to propose future changes to the working partnerships between ODF and OSFM IMT teams.



Chemical of the month by Alec Carte

Hydrogen Sulfide H_2S

Description:

- Synonyms: Dihydrogen sulfide, hepatic gas, sewer gas
- Colorless or liquefied gas with rotten egg odor
- CAS No.: 7783-06-4
- EPA Section 302 EHS TPQ 7941 cu ft/500 lbs
- EPA Section 112_R 266,920 cu ft/10,000 lbs
- OSHA Process Safety Management (PSM) 23,823 cu ft/1500 lbs

NFPA 704 Information:

- Health: 4
- Flammability: 4
- Reactivity: 0
- Special: None

Uses and Occurrences:

- The human body produces small amounts
- Natural gas may contain large amounts
- Used in purification of metal ores

Reactivity and Fire Risk:

- Flammable gas, LEL: 4%; UEL 44%
- Auto-ignition temperature: 500° F
- Dangerously reactive when mixed with concentrated nitric acid or other strong oxidizing agents
- Vapors will ignite spontaneously when mixed with vapors of chlorine, oxygen difluoride, or nitrogen trifluoride
- May be formed as a by-product of reactions
- Incompatible with combustible materials, metals, oxidizers, halogens, metal halides, metal salts, and bases

Health Hazards:

- OSHA PEL: 10 ppm, TWA
- Inhalation LC₅₀ (rat): 712 ppm/1 hour
- Immediately Dangerous to Life and Health (IDLH): 100 ppm
- May be fatal if inhaled
- Moderately irritating to eyes and skin

Fire Fighting Measures:

- Isolate hazard area, deny entry
- Extinguishing media: water spray, regular foam, or dry chemical
- Do not attempt to extinguish fire unless flow of material can be stopped first

- Containers may rupture or explode if exposed to heat
- Cool fire-exposed containers with water spray
- Vapors are initially heavier than air and spread along the ground
- Stay upwind and stay out of low areas
- Vapors or gas may ignite at distant ignition source and flash back
- Toxic vapors may be released from venting pressure relief devices

2008 Emergency Response Guidebook:

- DOT Toxic and flammable gas, Hazard Class 2.3 and 2.1
- UN/NA: 1053; Guide # 117,
- Spill: Initially isolate 330 feet in all directions
- Large spill: First isolate 1000 feet in all directions (Table 1)
- Small spill: First isolate 100 feet in all directions (Table 1)

2007 Oregon Fire Code: Table 2703.1.1(2)

- Toxic
- Maximum Allowable Quantities (MAQ) per control area:
 - Unprotected by sprinklers or approved storage cabinets: 810 cubic ft
 - In sprinklered building, not within approved storage cabinets: 1620 cubic ft
 - In unsprinklered building, within approved storage cabinets: 1620 cubic ft
 - In sprinklered building, within approved storage cabinets: 3240 cubic ft

Incident Reporting and Information:

- Six facilities currently report hydrogen sulfide on the Hazardous Substance Information Survey
- Hazardous materials incidents reported in Oregon since 1986: None
- Links for incidents nationwide:
<http://www.cbs.state.or.us/osh/../../../../pdf/hazards/2993-19.pdf>; <http://www.csb.gov/> search for hydrogen sulfide

For questions or suggestions contact HazMat Information Specialist Alec Carte at 503-934-8262 or e-mail aleta.carte@state.or.us

Fire & life safety recognition



Supervising Deputy State Fire Marshal Bob Wright (left) presents Illinois Valley Fire District Division Chief/Fire Marshal Jerry Schaeffer with his Fire & Life Safety Specialist II certification with Fire Plans Examiner endorsement at a ceremony in April.

Red Cross recognizes OSFM Deputy Fields

American Red Cross Territory Representative Marcea Vandermeer recently presented Supervising Deputy State Fire Marshal Dave Fields with the American Red Cross Community Spirit award.

Ms. Vandermeer thanked Deputy Fields as a great partner in arranging for Red Cross Blood Services to be present at Central Oregon Fire Prevention Co-op events, hunter safety events, county fairs, and other events. Fields has helped recruit more than 200 donors at the Deschutes County Fair and working alone, signed up 80 new donors at the Crook County Fair.

“Dave continues to help us with outreach in the outlying areas and smaller communities,” said Vandermeer. “Dave is a real pleasure to work with at all our events.”

DPSST to host National Honor Guard Academy

The Oregon Department of Public Safety Standards and Training and the Oregon Fire Service Honor Guard are hosting National Honor Guard Academy September 19-24, 2010 at the Public Safety Academy in Salem, Oregon.

The course is designed to provide fire departments, EMS agencies, and law enforcement the basics to develop their honor guard and color guard units. The course is intended to offer a unique training environment providing basic guidance for the standardizations of training methods, instruction in proper drill movement and techniques, leadership enhancement, and confidence building.

Registration deadline is September 9, 2010. More information is available at the [National Honor Guard Academy website](#), or by contacting Phil Burks at 503-348-6510, email pbgonefishing@yahoo.com

Retirement

Steve Sigurdson OSP Detective and Bomb Technician

Steve has been an integral part of the partnership between the Oregon State Police, the Oregon State Fire Marshals Office and the fire service in developing and executing of Oregon illegal fireworks disposal operation.

A retirement ceremony is planned for May 27th, 2-4 p.m. at the Oregon Office of State Fire Marshal in Salem.

To RSVP, contact GR Castillo at 503-934-0243.



Steve Sigurdson (left) and Mike Blank from the OSP Bomb Squad assemble a remote igniter in preparation for a fireworks burn in 2007.